

U.S. Core Equity 2 Portfolio- Institutional Class

As of December 31, 2018 (Updated Monthly)

Source: State Street

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Investors should consider the portfolio's investment objectives, risks, and charges and expenses, which are contained in the Prospectus. Investors should read it carefully before investing.

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| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1 | APPLE INC COMMON STOCK USD.00001 | | 526,701,273.78 | 2.333% | 2.333% |
| 2 | MICROSOFT CORP COMMON STOCK USD.00000625 | | 398,893,931.17 | 1.767% | 4.100% |
| 3 | AMAZON.COM INC COMMON STOCK USD.01 | | 329,363,997.36 | 1.459% | 5.559% |
| 4 | JPMORGAN CHASE + CO COMMON STOCK USD1.0 | | 290,123,418.54 | 1.285% | 6.845% |
| 5 | INTEL CORP COMMON STOCK USD.001 | | 241,274,873.45 | 1.069% | 7.913% |
| 6 | AT+T INC COMMON STOCK USD1.0 | | 229,613,461.34 | 1.017% | 8.931% |
| 7 | EXXON MOBIL CORP COMMON STOCK | | 224,176,397.94 | 0.993% | 9.924% |
| 8 | PFIZER INC COMMON STOCK USD.05 | | 221,540,904.45 | 0.981% | 10.905% |
| 9 | VERIZON COMMUNICATIONS INC COMMON STOCK USD.1 | | 208,461,117.66 | 0.923% | 11.829% |
| 10 | BERKSHIRE HATHAWAY INC CL B COMMON STOCK USD.0033 | | 206,278,766.22 | 0.914% | 12.742% |
| 11 | COMCAST CORP CLASS A COMMON STOCK USD.01 | | 196,951,601.40 | 0.872% | 13.615% |
| 12 | JOHNSON + JOHNSON COMMON STOCK USD1.0 | | 188,946,621.75 | 0.837% | 14.452% |
| 13 | WELLS FARGO + CO COMMON STOCK USD1.666 | | 188,186,757.12 | 0.834% | 15.286% |
| 14 | UNITEDHEALTH GROUP INC COMMON STOCK USD.01 | | 153,727,467.84 | 0.681% | 15.967% |
| 15 | BANK OF AMERICA CORP COMMON STOCK USD.01 | | 147,410,894.40 | 0.653% | 16.620% |
| 16 | CHEVRON CORP COMMON STOCK USD.75 | | 143,824,731.60 | 0.637% | 17.257% |
| 17 | CISCO SYSTEMS INC COMMON STOCK USD.001 | | 139,211,967.23 | 0.617% | 17.873% |
| 18 | WALT DISNEY CO/THE COMMON STOCK USD.01 | | 137,351,208.45 | 0.608% | 18.482% |
| 19 | VISA INC CLASS A SHARES COMMON STOCK USD.0001 | | 129,596,349.78 | 0.574% | 19.056% |
| 20 | PROCTER + GAMBLE CO/THE COMMON STOCK | | 125,099,443.20 | 0.554% | 19.610% |
| 21 | WALMART INC COMMON STOCK USD.1 | | 122,711,525.10 | 0.544% | 20.154% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 22 | FACEBOOK INC CLASS A COMMON STOCK USD.000006 | | 116,712,704.25 | 0.517% | 20.671% |
| 23 | COCA COLA CO/THE COMMON STOCK USD.25 | | 106,157,137.45 | 0.470% | 21.141% |
| 24 | ALPHABET INC CL C COMMON STOCK USD.001 | | 105,821,736.63 | 0.469% | 21.610% |
| 25 | ALPHABET INC CL A COMMON STOCK USD.001 | | 101,134,363.68 | 0.448% | 22.058% |
| 26 | HOME DEPOT INC COMMON STOCK USD.05 | | 100,560,060.48 | 0.445% | 22.503% |
| 27 | MERCK + CO. INC. COMMON STOCK USD.5 | | 93,619,442.25 | 0.415% | 22.918% |
| 28 | UNION PACIFIC CORP COMMON STOCK USD2.5 | | 92,753,988.76 | 0.411% | 23.329% |
| 29 | MASTERCARD INC A COMMON STOCK USD.0001 | | 90,893,456.50 | 0.403% | 23.732% |
| 30 | AMGEN INC COMMON STOCK USD.0001 | | 84,286,853.91 | 0.373% | 24.105% |
| 31 | CVS HEALTH CORP COMMON STOCK USD.01 | | 82,536,985.44 | 0.366% | 24.471% |
| 32 | PEPSICO INC COMMON STOCK USD.017 | | 79,591,117.76 | 0.353% | 24.823% |
| 33 | CITIGROUP INC COMMON STOCK USD.01 | | 78,879,541.96 | 0.349% | 25.173% |
| 34 | CIGNA CORP COMMON STOCK USD.01 | | 77,352,665.13 | 0.343% | 25.515% |
| 35 | AMERICAN EXPRESS CO COMMON STOCK USD.2 | | 77,195,759.88 | 0.342% | 25.857% |
| 36 | UNITED TECHNOLOGIES CORP COMMON STOCK USD1.0 | | 76,794,440.80 | 0.340% | 26.198% |
| 37 | ORACLE CORP COMMON STOCK USD.01 | | 74,072,638.50 | 0.328% | 26.526% |
| 38 | INTL BUSINESS MACHINES CORP COMMON STOCK USD.2 | | 72,916,008.57 | 0.323% | 26.849% |
| 39 | BOEING CO/THE COMMON STOCK USD5.0 | | 68,620,905.00 | 0.304% | 27.153% |
| 40 | CONOCOPHILLIPS COMMON STOCK USD.01 | | 68,061,447.05 | 0.302% | 27.454% |
| 41 | GILEAD SCIENCES INC COMMON STOCK USD.001 | | 67,538,425.05 | 0.299% | 27.753% |
| 42 | MARATHON PETROLEUM CORP COMMON STOCK USD.01 | | 65,390,279.22 | 0.290% | 28.043% |
| 43 | DOWDUPONT INC COMMON STOCK USD.01 | | 64,659,352.24 | 0.286% | 28.330% |
| 44 | BROADCOM INC COMMON STOCK | | 62,180,868.36 | 0.275% | 28.605% |
| 45 | CHARTER COMMUNICATIONS INC A COMMON STOCK USD.001 | | 60,688,636.05 | 0.269% | 28.874% |
| 46 | ABBOTT LABORATORIES COMMON STOCK | | 60,266,296.29 | 0.267% | 29.141% |
| 47 | ANTHEM INC COMMON STOCK USD.01 | | 58,068,280.89 | 0.257% | 29.398% |
| 48 | DELTA AIR LINES INC COMMON STOCK USD.0001 | | 56,825,820.60 | 0.252% | 29.650% |
| 49 | ALTRIA GROUP INC COMMON STOCK USD.333 | | 56,674,284.15 | 0.251% | 29.901% |
| 50 | CATERPILLAR INC COMMON STOCK USD1.0 | | 55,606,721.49 | 0.246% | 30.147% |
| 51 | US BANCORP COMMON STOCK USD.01 | | 55,009,866.90 | 0.244% | 30.391% |
| 52 | 3M CO COMMON STOCK USD.01 | | 54,759,481.14 | 0.243% | 30.633% |
| 53 | GENERAL MOTORS CO COMMON STOCK USD.01 | | 54,458,673.90 | 0.241% | 30.875% |
| 54 | MEDTRONIC PLC COMMON STOCK USD.1 | | 53,619,828.48 | 0.238% | 31.112% |
| 55 | MICRON TECHNOLOGY INC COMMON STOCK USD.1 | | 51,635,498.20 | 0.229% | 31.341% |
| 56 | THERMO FISHER SCIENTIFIC INC COMMON STOCK USD1.0 | | 51,171,150.03 | 0.227% | 31.568% |
| 57 | WALGREENS BOOTS ALLIANCE INC COMMON STOCK USD.01 | | 51,021,122.71 | 0.226% | 31.794% |
| 58 | NVIDIA CORP COMMON STOCK USD.001 | | 50,722,257.00 | 0.225% | 32.018% |
| 59 | ACCENTURE PLC CL A COMMON STOCK USD.0000225 | | 50,583,812.25 | 0.224% | 32.242% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 60 | MCDONALD S CORP COMMON STOCK USD.01 | | 50,321,029.59 | 0.223% | 32.465% |
| 61 | EOG RESOURCES INC COMMON STOCK USD.01 | | 49,704,554.61 | 0.220% | 32.686% |
| 62 | CSX CORP COMMON STOCK USD1.0 | | 48,843,437.37 | 0.216% | 32.902% |
| 63 | TEXAS INSTRUMENTS INC COMMON STOCK USD1.0 | | 48,505,905.00 | 0.215% | 33.117% |
| 64 | GOLDMAN SACHS GROUP INC COMMON STOCK USD.01 | | 47,454,394.65 | 0.210% | 33.327% |
| 65 | HONEYWELL INTERNATIONAL INC COMMON STOCK USD1.0 | | 46,261,818.00 | 0.205% | 33.532% |
| 66 | COSTCO WHOLESALE CORP COMMON STOCK USD.005 | | 45,843,509.53 | 0.203% | 33.735% |
| 67 | OCCIDENTAL PETROLEUM CORP COMMON STOCK USD.2 | | 45,546,476.58 | 0.202% | 33.937% |
| 68 | FEDEX CORP COMMON STOCK USD.1 | | 44,435,444.56 | 0.197% | 34.134% |
| 69 | BOOKING HOLDINGS INC COMMON STOCK USD.008 | | 43,497,994.68 | 0.193% | 34.326% |
| 70 | ABBVIE INC COMMON STOCK USD.01 | | 43,241,166.36 | 0.192% | 34.518% |
| 71 | MORGAN STANLEY COMMON STOCK USD.01 | | 42,827,154.50 | 0.190% | 34.708% |
| 72 | STARBUCKS CORP COMMON STOCK USD.001 | | 42,157,528.00 | 0.187% | 34.894% |
| 73 | UNITED CONTINENTAL HOLDINGS COMMON STOCK USD.01 | | 41,249,082.12 | 0.183% | 35.077% |
| 74 | NORFOLK SOUTHERN CORP COMMON STOCK USD1.0 | | 40,948,239.12 | 0.181% | 35.259% |
| 75 | HUMANA INC COMMON STOCK USD.166 | | 40,855,772.24 | 0.181% | 35.440% |
| 76 | QUALCOMM INC COMMON STOCK USD.0001 | | 40,830,307.14 | 0.181% | 35.620% |
| 77 | TRAVELERS COS INC/THE COMMON STOCK | | 39,164,357.25 | 0.173% | 35.794% |
| 78 | BRISTOL MYERS SQUIBB CO COMMON STOCK USD.1 | | 38,813,414.02 | 0.172% | 35.966% |
| 79 | KROGER CO COMMON STOCK USD1.0 | | 38,488,477.50 | 0.171% | 36.136% |
| 80 | NIKE INC CL B COMMON STOCK | | 37,619,748.10 | 0.167% | 36.303% |
| 81 | DOLLAR GENERAL CORP COMMON STOCK USD.875 | | 37,608,921.84 | 0.167% | 36.470% |
| 82 | CHUBB LTD COMMON STOCK | | 36,941,733.78 | 0.164% | 36.633% |
| 83 | TWENTY FIRST CENTURY FOX A COMMON STOCK USD.01 | | 36,918,289.56 | 0.164% | 36.797% |
| 84 | TARGET CORP COMMON STOCK USD.0833 | | 36,460,993.83 | 0.162% | 36.958% |
| 85 | VALERO ENERGY CORP COMMON STOCK USD.01 | | 36,253,542.78 | 0.161% | 37.119% |
| 86 | BANK OF NEW YORK MELLON CORP COMMON STOCK USD.01 | | 35,237,778.75 | 0.156% | 37.275% |
| 87 | LAM RESEARCH CORP COMMON STOCK USD.001 | | 34,817,171.13 | 0.154% | 37.429% |
| 88 | PROGRESSIVE CORP COMMON STOCK USD1.0 | | 34,564,806.57 | 0.153% | 37.582% |
| 89 | LOWE S COS INC COMMON STOCK USD.5 | | 34,207,280.84 | 0.152% | 37.734% |
| 90 | SOUTHWEST AIRLINES CO COMMON STOCK USD1.0 | | 33,960,426.08 | 0.150% | 37.884% |
| 91 | CME GROUP INC COMMON STOCK USD.01 | | 33,383,587.08 | 0.148% | 38.032% |
| 92 | FORD MOTOR CO COMMON STOCK USD.01 | | 33,003,798.30 | 0.146% | 38.178% |
| 93 | BLACKROCK INC COMMON STOCK USD.01 | | 32,707,371.66 | 0.145% | 38.323% |
| 94 | PNC FINANCIAL SERVICES GROUP COMMON STOCK USD5.0 | | 32,621,631.12 | 0.145% | 38.468% |
| 95 | DISCOVER FINANCIAL SERVICES COMMON STOCK USD.01 | | 31,899,627.90 | 0.141% | 38.609% |
| 96 | BEST BUY CO INC COMMON STOCK USD.1 | | 31,200,960.32 | 0.138% | 38.747% |
| 97 | UNITED PARCEL SERVICE CL B COMMON STOCK USD.01 | | 31,193,507.55 | 0.138% | 38.886% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 98 | NRG ENERGY INC COMMON STOCK USD.01 | | 31,182,584.40 | 0.138% | 39.024% |
| 99 | FIDELITY NATIONAL INFO SERV COMMON STOCK USD.01 | | 30,725,825.90 | 0.136% | 39.160% |
| 100 | ELI LILLY + CO COMMON STOCK | | 30,160,566.48 | 0.134% | 39.293% |
| 101 | PPG INDUSTRIES INC COMMON STOCK USD1.67 | | 30,002,767.09 | 0.133% | 39.426% |
| 102 | CUMMINS INC COMMON STOCK USD2.5 | | 29,430,601.72 | 0.130% | 39.557% |
| 103 | COGNIZANT TECH SOLUTIONS A COMMON STOCK USD.01 | | 29,383,368.48 | 0.130% | 39.687% |
| 104 | T ROWE PRICE GROUP INC COMMON STOCK USD.2 | | 29,297,659.68 | 0.130% | 39.817% |
| 105 | BIOGEN INC COMMON STOCK USD.0005 | | 29,011,697.20 | 0.129% | 39.945% |
| 106 | AFLAC INC COMMON STOCK USD.1 | | 28,423,972.80 | 0.126% | 40.071% |
| 107 | OLD DOMINION FREIGHT LINE COMMON STOCK USD.1 | | 28,171,897.19 | 0.125% | 40.196% |
| 108 | ALLERGAN PLC COMMON STOCK USD.0033 | | 28,058,040.86 | 0.124% | 40.320% |
| 109 | PAYPAL HOLDINGS INC COMMON STOCK USD.0001 | | 27,769,629.33 | 0.123% | 40.443% |
| 110 | DEERE + CO COMMON STOCK USD1.0 | | 27,759,641.98 | 0.123% | 40.566% |
| 111 | KOHL'S CORP COMMON STOCK USD.01 | | 27,746,041.60 | 0.123% | 40.689% |
| 112 | DANAHER CORP COMMON STOCK USD.01 | | 27,702,259.92 | 0.123% | 40.812% |
| 113 | REPUBLIC SERVICES INC COMMON STOCK USD.01 | | 27,650,696.22 | 0.122% | 40.934% |
| 114 | PACCAR INC COMMON STOCK USD1.0 | | 27,616,561.96 | 0.122% | 41.057% |
| 115 | DOLLAR TREE INC COMMON STOCK USD.01 | | 27,601,882.32 | 0.122% | 41.179% |
| 116 | CAPITAL ONE FINANCIAL CORP COMMON STOCK USD.01 | | 27,465,928.86 | 0.122% | 41.301% |
| 117 | INGERSOLL RAND PLC COMMON STOCK USD1.0 | | 26,927,446.80 | 0.119% | 41.420% |
| 118 | CENTENE CORP COMMON STOCK USD.001 | | 26,915,747.30 | 0.119% | 41.539% |
| 119 | LOCKHEED MARTIN CORP COMMON STOCK USD1.0 | | 26,904,321.84 | 0.119% | 41.658% |
| 120 | GENUINE PARTS CO COMMON STOCK USD1.0 | | 26,716,508.78 | 0.118% | 41.777% |
| 121 | GENERAL ELECTRIC CO COMMON STOCK USD.06 | | 26,353,282.03 | 0.117% | 41.893% |
| 122 | CREDIT ACCEPTANCE CORP COMMON STOCK USD.01 | | 26,036,413.76 | 0.115% | 42.009% |
| 123 | HARRIS CORP COMMON STOCK USD1.0 | | 25,980,178.90 | 0.115% | 42.124% |
| 124 | CENTURYLINK INC COMMON STOCK USD1.0 | | 25,703,550.60 | 0.114% | 42.238% |
| 125 | IAC/INTERACTIVECORP COMMON STOCK USD.001 | | 25,667,333.12 | 0.114% | 42.351% |
| 126 | PHILIP MORRIS INTERNATIONAL COMMON STOCK | | 25,615,678.48 | 0.113% | 42.465% |
| 127 | HOLOGIC INC COMMON STOCK USD.01 | | 25,513,934.70 | 0.113% | 42.578% |
| 128 | CONCHO RESOURCES INC COMMON STOCK USD.001 | | 25,399,100.63 | 0.113% | 42.690% |
| 129 | HORMEL FOODS CORP COMMON STOCK USD.01465 | | 24,538,140.44 | 0.109% | 42.799% |
| 130 | EBAY INC COMMON STOCK USD.001 | | 24,293,546.41 | 0.108% | 42.907% |
| 131 | TE CONNECTIVITY LTD COMMON STOCK CHF.57 | | 24,089,667.60 | 0.107% | 43.013% |
| 132 | PARKER HANNIFIN CORP COMMON STOCK USD.5 | | 24,081,784.94 | 0.107% | 43.120% |
| 133 | AMERICAN INTERNATIONAL GROUP COMMON STOCK USD2.5 | | 23,916,116.14 | 0.106% | 43.226% |
| 134 | FLEETCOR TECHNOLOGIES INC COMMON STOCK USD.001 | | 23,906,064.12 | 0.106% | 43.332% |
| 135 | HARTFORD FINANCIAL SVCS GRP COMMON STOCK USD.01 | | 23,605,750.35 | 0.105% | 43.437% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 136 | GENERAL MILLS INC COMMON STOCK USD.1 | | 23,565,008.28 | 0.104% | 43.541% |
| 137 | TJX COMPANIES INC COMMON STOCK USD1.0 | | 23,502,548.36 | 0.104% | 43.645% |
| 138 | AUTOMATIC DATA PROCESSING COMMON STOCK USD.1 | | 23,438,093.36 | 0.104% | 43.749% |
| 139 | APTIV PLC COMMON STOCK USD.01 | | 23,309,663.16 | 0.103% | 43.852% |
| 140 | INTERCONTINENTAL EXCHANGE IN COMMON STOCK USD.01 | | 23,177,157.75 | 0.103% | 43.955% |
| 141 | REGIONS FINANCIAL CORP COMMON STOCK USD.01 | | 23,136,923.46 | 0.102% | 44.057% |
| 142 | ALLSTATE CORP COMMON STOCK USD.01 | | 23,078,806.89 | 0.102% | 44.160% |
| 143 | MONDELEZ INTERNATIONAL INC A COMMON STOCK | | 23,014,848.20 | 0.102% | 44.262% |
| 144 | ALIGN TECHNOLOGY INC COMMON STOCK USD.0001 | | 22,919,809.77 | 0.102% | 44.363% |
| 145 | RAYTHEON COMPANY COMMON STOCK USD.01 | | 22,909,723.25 | 0.101% | 44.465% |
| 146 | NUCOR CORP COMMON STOCK USD.4 | | 22,614,754.14 | 0.100% | 44.565% |
| 147 | ENCOMPASS HEALTH CORP COMMON STOCK USD.01 | | 22,451,704.50 | 0.099% | 44.664% |
| 148 | POST HOLDINGS INC COMMON STOCK USD.01 | | 22,402,468.98 | 0.099% | 44.763% |
| 149 | BALL CORP COMMON STOCK | | 22,265,723.04 | 0.099% | 44.862% |
| 150 | MCKESSON CORP COMMON STOCK USD.01 | | 22,235,180.66 | 0.099% | 44.961% |
| 151 | PRUDENTIAL FINANCIAL INC COMMON STOCK USD.01 | | 22,187,553.15 | 0.098% | 45.059% |
| 152 | CELANESE CORP COMMON STOCK USD.0001 | | 22,129,291.11 | 0.098% | 45.157% |
| 153 | FIFTH THIRD BANCORP COMMON STOCK | | 22,114,764.62 | 0.098% | 45.255% |
| 154 | INTL PAPER CO COMMON STOCK USD1.0 | | 22,105,777.40 | 0.098% | 45.353% |
| 155 | LPL FINANCIAL HOLDINGS INC COMMON STOCK | | 22,054,216.68 | 0.098% | 45.450% |
| 156 | WASTE MANAGEMENT INC COMMON STOCK USD.01 | | 22,040,331.28 | 0.098% | 45.548% |
| 157 | FREEMPORT MCMORAN INC COMMON STOCK USD.1 | | 21,969,135.67 | 0.097% | 45.645% |
| 158 | SYNCHRONY FINANCIAL COMMON STOCK USD.001 | | 21,755,654.46 | 0.096% | 45.742% |
| 159 | PIONEER NATURAL RESOURCES CO COMMON STOCK USD.01 | | 21,663,974.40 | 0.096% | 45.838% |
| 160 | KELLOGG CO COMMON STOCK USD.25 | | 21,641,965.17 | 0.096% | 45.934% |
| 161 | HILTON WORLDWIDE HOLDINGS IN COMMON STOCK USD.01 | | 21,605,840.60 | 0.096% | 46.029% |
| 162 | CARMAX INC COMMON STOCK USD.5 | | 21,563,751.15 | 0.096% | 46.125% |
| 163 | APPLIED MATERIALS INC COMMON STOCK USD.01 | | 21,552,250.90 | 0.095% | 46.220% |
| 164 | ONEOK INC COMMON STOCK USD.01 | | 21,511,375.60 | 0.095% | 46.316% |
| 165 | T MOBILE US INC COMMON STOCK USD.0001 | | 21,411,380.44 | 0.095% | 46.411% |
| 166 | LENNAR CORP A COMMON STOCK USD.1 | | 21,373,159.50 | 0.095% | 46.505% |
| 167 | MACY S INC COMMON STOCK USD.01 | | 21,372,301.94 | 0.095% | 46.600% |
| 168 | AMERIPRISE FINANCIAL INC COMMON STOCK USD.01 | | 21,210,906.36 | 0.094% | 46.694% |
| 169 | NORTHROP GRUMMAN CORP COMMON STOCK USD1.0 | | 21,198,054.20 | 0.094% | 46.788% |
| 170 | XYLEM INC COMMON STOCK | | 21,117,013.44 | 0.094% | 46.881% |
| 171 | O REILLY AUTOMOTIVE INC COMMON STOCK USD.01 | | 21,061,977.44 | 0.093% | 46.975% |
| 172 | ARCHER DANIELS MIDLAND CO COMMON STOCK | | 21,046,289.00 | 0.093% | 47.068% |
| 173 | CORNING INC COMMON STOCK USD.5 | | 21,045,252.72 | 0.093% | 47.161% |

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|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 174 | KAR AUCTION SERVICES INC COMMON STOCK USD.01 | | 20,944,546.60 | 0.093% | 47.254% |
| 175 | HUNTINGTON BANCSHARES INC COMMON STOCK USD.01 | | 20,939,720.96 | 0.093% | 47.347% |
| 176 | UNITED THERAPEUTICS CORP COMMON STOCK USD.01 | | 20,895,840.90 | 0.093% | 47.439% |
| 177 | GENERAL DYNAMICS CORP COMMON STOCK USD1.0 | | 20,777,188.02 | 0.092% | 47.531% |
| 178 | TOTAL SYSTEM SERVICES INC COMMON STOCK USD.1 | | 20,581,896.39 | 0.091% | 47.622% |
| 179 | METLIFE INC COMMON STOCK USD.01 | | 20,537,349.74 | 0.091% | 47.713% |
| 180 | IQVIA HOLDINGS INC COMMON STOCK USD.01 | | 20,486,114.82 | 0.091% | 47.804% |
| 181 | KEYSIGHT TECHNOLOGIES IN COMMON STOCK | | 20,427,672.32 | 0.090% | 47.895% |
| 182 | TYSON FOODS INC CL A COMMON STOCK USD.1 | | 20,380,216.80 | 0.090% | 47.985% |
| 183 | GAP INC/THE COMMON STOCK USD.05 | | 20,245,118.88 | 0.090% | 48.075% |
| 184 | XILINX INC COMMON STOCK USD.01 | | 20,236,732.68 | 0.090% | 48.164% |
| 185 | MARSH + MCLENNAN COS COMMON STOCK USD1.0 | | 20,159,444.25 | 0.089% | 48.254% |
| 186 | CLOROX COMPANY COMMON STOCK USD1.0 | | 20,146,252.14 | 0.089% | 48.343% |
| 187 | ZEBRA TECHNOLOGIES CORP CL A COMMON STOCK USD.01 | | 20,081,928.37 | 0.089% | 48.432% |
| 188 | MOLINA HEALTHCARE INC COMMON STOCK USD.001 | | 20,034,352.26 | 0.089% | 48.521% |
| 189 | BB+T CORP COMMON STOCK USD5.0 | | 19,986,201.84 | 0.089% | 48.609% |
| 190 | AMETEK INC COMMON STOCK USD.01 | | 19,935,280.50 | 0.088% | 48.697% |
| 191 | KINDER MORGAN INC COMMON STOCK USD.01 | | 19,921,129.56 | 0.088% | 48.786% |
| 192 | DXC TECHNOLOGY CO COMMON STOCK USD.01 | | 19,917,428.83 | 0.088% | 48.874% |
| 193 | GAMESTOP CORP CLASS A COMMON STOCK USD.001 | | 19,879,326.88 | 0.088% | 48.962% |
| 194 | SERVICE CORP INTERNATIONAL COMMON STOCK USD1.0 | | 19,877,046.42 | 0.088% | 49.050% |
| 195 | NETAPP INC COMMON STOCK USD.001 | | 19,853,462.07 | 0.088% | 49.138% |
| 196 | NASDAQ INC COMMON STOCK USD.01 | | 19,780,725.00 | 0.088% | 49.226% |
| 197 | SCHLUMBERGER LTD COMMON STOCK USD.01 | | 19,777,648.88 | 0.088% | 49.313% |
| 198 | SKYWORKS SOLUTIONS INC COMMON STOCK USD.25 | | 19,775,658.42 | 0.088% | 49.401% |
| 199 | PHILLIPS 66 COMMON STOCK | | 19,669,164.95 | 0.087% | 49.488% |
| 200 | ANADARKO PETROLEUM CORP COMMON STOCK USD.1 | | 19,655,576.32 | 0.087% | 49.575% |
| 201 | EMERSON ELECTRIC CO COMMON STOCK USD.5 | | 19,612,519.25 | 0.087% | 49.662% |
| 202 | LYONDELLBASELL INDU CL A COMMON STOCK EUR.04 | | 19,465,593.84 | 0.086% | 49.748% |
| 203 | S+P GLOBAL INC COMMON STOCK USD1.0 | | 19,416,834.58 | 0.086% | 49.834% |
| 204 | EATON CORP PLC COMMON STOCK USD.01 | | 19,395,763.40 | 0.086% | 49.920% |
| 205 | HOLLYFRONTIER CORP COMMON STOCK USD.01 | | 19,256,137.20 | 0.085% | 50.005% |
| 206 | FISERV INC COMMON STOCK USD.01 | | 19,246,737.04 | 0.085% | 50.091% |
| 207 | WELLCARE HEALTH PLANS INC COMMON STOCK USD.01 | | 19,229,294.41 | 0.085% | 50.176% |
| 208 | APTARGROUP INC COMMON STOCK USD.01 | | 19,170,337.16 | 0.085% | 50.261% |
| 209 | WW GRAINGER INC COMMON STOCK USD.5 | | 19,077,088.68 | 0.085% | 50.345% |
| 210 | CASEY S GENERAL STORES INC COMMON STOCK NPV | | 19,051,214.50 | 0.084% | 50.430% |
| 211 | LEAR CORP COMMON STOCK USD.01 | | 19,017,622.26 | 0.084% | 50.514% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 212 | INTUIT INC COMMON STOCK USD.01 | | 18,998,387.20 | 0.084% | 50.598% |
| 213 | NORTHERN TRUST CORP COMMON STOCK USD1.667 | | 18,986,298.24 | 0.084% | 50.682% |
| 214 | MSCI INC COMMON STOCK USD.01 | | 18,850,104.94 | 0.084% | 50.766% |
| 215 | WILLIAMS SONOMA INC COMMON STOCK USD.01 | | 18,785,562.00 | 0.083% | 50.849% |
| 216 | TWENTY FIRST CENTURY FOX B COMMON STOCK USD.01 | | 18,781,457.96 | 0.083% | 50.932% |
| 217 | HEWLETT PACKARD ENTERPRISE COMMON STOCK USD.01 | | 18,740,908.11 | 0.083% | 51.015% |
| 218 | CERNER CORP COMMON STOCK USD.01 | | 18,735,605.88 | 0.083% | 51.098% |
| 219 | LOEWS CORP COMMON STOCK USD.01 | | 18,628,877.92 | 0.083% | 51.181% |
| 220 | PRINCIPAL FINANCIAL GROUP COMMON STOCK USD.01 | | 18,585,101.71 | 0.082% | 51.263% |
| 221 | STATE STREET CORP COMMON STOCK USD1.0 | | 18,434,856.44 | 0.082% | 51.345% |
| 222 | SCHWAB (CHARLES) CORP COMMON STOCK USD.01 | | 18,405,431.52 | 0.082% | 51.426% |
| 223 | NEWMONT MINING CORP COMMON STOCK USD1.6 | | 18,313,044.75 | 0.081% | 51.507% |
| 224 | ON SEMICONDUCTOR CORP COMMON STOCK USD.01 | | 18,250,071.45 | 0.081% | 51.588% |
| 225 | INGREDION INC COMMON STOCK USD.01 | | 18,186,772.00 | 0.081% | 51.669% |
| 226 | ANALOG DEVICES INC COMMON STOCK USD.167 | | 18,181,111.41 | 0.081% | 51.749% |
| 227 | FOOT LOCKER INC COMMON STOCK USD.01 | | 18,162,054.40 | 0.080% | 51.830% |
| 228 | CBS CORP CLASS B NON VOTING COMMON STOCK USD.001 | | 18,099,511.64 | 0.080% | 51.910% |
| 229 | OMNICOM GROUP COMMON STOCK USD.15 | | 18,004,223.00 | 0.080% | 51.990% |
| 230 | GLOBAL PAYMENTS INC COMMON STOCK | | 17,927,912.94 | 0.079% | 52.069% |
| 231 | SONOCO PRODUCTS CO COMMON STOCK | | 17,914,798.44 | 0.079% | 52.148% |
| 232 | USG CORP COMMON STOCK USD.1 | | 17,894,419.56 | 0.079% | 52.228% |
| 233 | DR HORTON INC COMMON STOCK USD.01 | | 17,846,711.28 | 0.079% | 52.307% |
| 234 | QUEST DIAGNOSTICS INC COMMON STOCK USD.01 | | 17,824,443.12 | 0.079% | 52.386% |
| 235 | PRIMERICA INC COMMON STOCK | | 17,802,859.71 | 0.079% | 52.465% |
| 236 | DIAMONDBACK ENERGY INC COMMON STOCK USD.01 | | 17,794,413.90 | 0.079% | 52.543% |
| 237 | ALASKA AIR GROUP INC COMMON STOCK USD.01 | | 17,732,481.05 | 0.079% | 52.622% |
| 238 | VISTRA ENERGY CORP COMMON STOCK | | 17,727,137.61 | 0.079% | 52.700% |
| 239 | XPO LOGISTICS INC COMMON STOCK USD.001 | | 17,693,750.96 | 0.078% | 52.779% |
| 240 | NEXTERA ENERGY INC COMMON STOCK USD.01 | | 17,612,311.50 | 0.078% | 52.857% |
| 241 | AON PLC COMMON STOCK USD.01 | | 17,569,372.48 | 0.078% | 52.935% |
| 242 | HUNTSMAN CORP COMMON STOCK USD.01 | | 17,568,560.40 | 0.078% | 53.013% |
| 243 | COMERICA INC COMMON STOCK USD5.0 | | 17,564,788.59 | 0.078% | 53.090% |
| 244 | LIVE NATION ENTERTAINMENT IN COMMON STOCK USD.01 | | 17,521,081.50 | 0.078% | 53.168% |
| 245 | ALLY FINANCIAL INC COMMON STOCK USD.1 | | 17,508,996.78 | 0.078% | 53.246% |
| 246 | HEXCEL CORP COMMON STOCK USD.01 | | 17,504,239.14 | 0.078% | 53.323% |
| 247 | CBRE GROUP INC A COMMON STOCK USD.01 | | 17,433,616.20 | 0.077% | 53.400% |
| 248 | ROSS STORES INC COMMON STOCK USD.01 | | 17,411,596.80 | 0.077% | 53.477% |
| 249 | WR BERKLEY CORP COMMON STOCK USD.2 | | 17,409,426.59 | 0.077% | 53.555% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 250 | CHARLES RIVER LABORATORIES COMMON STOCK USD.01 | | 17,387,164.32 | 0.077% | 53.632% |
| 251 | CITIZENS FINANCIAL GROUP COMMON STOCK USD.01 | | 17,238,583.74 | 0.076% | 53.708% |
| 252 | GENTEX CORP COMMON STOCK USD.06 | | 17,151,499.44 | 0.076% | 53.784% |
| 253 | ROYAL CARIBBEAN CRUISES LTD COMMON STOCK USD.01 | | 17,139,555.51 | 0.076% | 53.860% |
| 254 | JOHNSON CONTROLS INTERNATION COMMON STOCK USD.01 | | 17,087,057.80 | 0.076% | 53.936% |
| 255 | LABORATORY CRP OF AMER HLDGS COMMON STOCK USD.1 | | 17,070,983.28 | 0.076% | 54.011% |
| 256 | FORTIVE CORP W/D COMMON STOCK USD.01 | | 17,040,712.28 | 0.075% | 54.087% |
| 257 | CF INDUSTRIES HOLDINGS INC COMMON STOCK USD.01 | | 17,031,119.30 | 0.075% | 54.162% |
| 258 | SPIRIT AEROSYSTEMS HOLD CL A COMMON STOCK USD.01 | | 16,969,481.37 | 0.075% | 54.237% |
| 259 | AIR PRODUCTS + CHEMICALS INC COMMON STOCK USD1.0 | | 16,944,973.65 | 0.075% | 54.312% |
| 260 | TELEFLEX INC COMMON STOCK USD1.0 | | 16,911,570.96 | 0.075% | 54.387% |
| 261 | STANLEY BLACK + DECKER INC COMMON STOCK USD2.5 | | 16,909,203.84 | 0.075% | 54.462% |
| 262 | AMERICAN FINANCIAL GROUP INC COMMON STOCK | | 16,784,443.06 | 0.074% | 54.537% |
| 263 | ADOBE INC COMMON STOCK USD.0001 | | 16,784,293.12 | 0.074% | 54.611% |
| 264 | CINCINNATI FINANCIAL CORP COMMON STOCK USD2.0 | | 16,700,577.88 | 0.074% | 54.685% |
| 265 | JABIL INC COMMON STOCK USD.001 | | 16,681,339.74 | 0.074% | 54.759% |
| 266 | SENSATA TECHNOLOGIES HOLDING COMMON STOCK EUR.01 | | 16,672,229.44 | 0.074% | 54.833% |
| 267 | LINCOLN NATIONAL CORP COMMON STOCK | | 16,598,477.14 | 0.074% | 54.906% |
| 268 | WORLDPAY INC CLASS A COMMON STOCK USD.00001 | | 16,584,927.85 | 0.073% | 54.980% |
| 269 | HARLEY DAVIDSON INC COMMON STOCK USD.01 | | 16,576,758.44 | 0.073% | 55.053% |
| 270 | MCCORMICK + CO NON VGT SHRS COMMON STOCK | | 16,558,420.80 | 0.073% | 55.126% |
| 271 | DARDEN RESTAURANTS INC COMMON STOCK | | 16,529,426.36 | 0.073% | 55.200% |
| 272 | GRAND CANYON EDUCATION INC COMMON STOCK USD.01 | | 16,439,459.30 | 0.073% | 55.272% |
| 273 | ROCKWELL AUTOMATION INC COMMON STOCK USD1.0 | | 16,438,435.20 | 0.073% | 55.345% |
| 274 | HERSHEY CO/THE COMMON STOCK USD1.0 | | 16,375,603.48 | 0.073% | 55.418% |
| 275 | CDW CORP/DE COMMON STOCK USD.01 | | 16,369,992.70 | 0.073% | 55.490% |
| 276 | MYLAN NV COMMON STOCK EUR.01 | | 16,322,317.00 | 0.072% | 55.563% |
| 277 | EASTMAN CHEMICAL CO COMMON STOCK USD.01 | | 16,295,780.34 | 0.072% | 55.635% |
| 278 | MARKEL CORP COMMON STOCK | | 16,292,194.75 | 0.072% | 55.707% |
| 279 | INTERACTIVE BROKERS GRO CL A COMMON STOCK USD.01 | | 16,227,552.40 | 0.072% | 55.779% |
| 280 | PULTEGROUP INC COMMON STOCK USD.01 | | 16,199,774.92 | 0.072% | 55.851% |
| 281 | APACHE CORP COMMON STOCK USD.625 | | 16,198,245.00 | 0.072% | 55.922% |
| 282 | UNIVERSAL HEALTH SERVICES B COMMON STOCK USD.01 | | 16,136,916.08 | 0.071% | 55.994% |
| 283 | AMPHENOL CORP CL A COMMON STOCK USD.001 | | 16,135,376.06 | 0.071% | 56.065% |
| 284 | KEYCORP COMMON STOCK USD1.0 | | 16,131,217.16 | 0.071% | 56.137% |
| 285 | COOPER TIRE + RUBBER COMMON STOCK USD1.0 | | 16,064,970.98 | 0.071% | 56.208% |
| 286 | M + T BANK CORP COMMON STOCK USD.5 | | 16,040,722.23 | 0.071% | 56.279% |
| 287 | UNITED RENTALS INC COMMON STOCK USD.01 | | 16,015,596.12 | 0.071% | 56.350% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 288 | ECOLAB INC COMMON STOCK USD1.0 | | 16,008,840.75 | 0.071% | 56.421% |
| 289 | EXPEDIA GROUP INC COMMON STOCK USD.001 | | 15,984,359.10 | 0.071% | 56.492% |
| 290 | INTERPUBLIC GROUP OF COS INC COMMON STOCK USD.1 | | 15,966,712.28 | 0.071% | 56.562% |
| 291 | VERISK ANALYTICS INC COMMON STOCK USD.001 | | 15,950,371.20 | 0.071% | 56.633% |
| 292 | TRACTOR SUPPLY COMPANY COMMON STOCK USD.008 | | 15,949,055.36 | 0.071% | 56.704% |
| 293 | TAPESTRY INC COMMON STOCK USD.01 | | 15,839,212.50 | 0.070% | 56.774% |
| 294 | COPART INC COMMON STOCK | | 15,826,933.88 | 0.070% | 56.844% |
| 295 | BORGWARNER INC COMMON STOCK USD.01 | | 15,787,662.48 | 0.070% | 56.914% |
| 296 | BOSTON SCIENTIFIC CORP COMMON STOCK USD.01 | | 15,784,434.30 | 0.070% | 56.984% |
| 297 | DOVER CORP COMMON STOCK USD1.0 | | 15,725,854.65 | 0.070% | 57.054% |
| 298 | NETFLIX INC COMMON STOCK USD.001 | | 15,672,831.30 | 0.069% | 57.123% |
| 299 | KRAFT HEINZ CO/THE COMMON STOCK USD.01 | | 15,615,858.88 | 0.069% | 57.192% |
| 300 | CHURCH + DWIGHT CO INC COMMON STOCK USD1.0 | | 15,559,276.32 | 0.069% | 57.261% |
| 301 | ILLINOIS TOOL WORKS COMMON STOCK USD.01 | | 15,524,972.67 | 0.069% | 57.330% |
| 302 | TELEDYNE TECHNOLOGIES INC COMMON STOCK USD.01 | | 15,468,129.00 | 0.069% | 57.398% |
| 303 | L3 TECHNOLOGIES INC COMMON STOCK USD.01 | | 15,437,332.04 | 0.068% | 57.467% |
| 304 | RPM INTERNATIONAL INC COMMON STOCK USD.01 | | 15,416,700.84 | 0.068% | 57.535% |
| 305 | WILLIS TOWERS WATSON PLC COMMON STOCK USD.000304635 | | 15,375,217.56 | 0.068% | 57.603% |
| 306 | TEXTRON INC COMMON STOCK USD.125 | | 15,368,846.22 | 0.068% | 57.671% |
| 307 | ARAMARK COMMON STOCK USD.01 | | 15,355,664.38 | 0.068% | 57.739% |
| 308 | AGILENT TECHNOLOGIES INC COMMON STOCK USD.01 | | 15,349,848.40 | 0.068% | 57.807% |
| 309 | ZIMMER BIOMET HOLDINGS INC COMMON STOCK USD.01 | | 15,294,032.60 | 0.068% | 57.875% |
| 310 | DAVITA INC COMMON STOCK USD.001 | | 15,277,238.96 | 0.068% | 57.943% |
| 311 | HP INC COMMON STOCK USD.01 | | 15,262,177.92 | 0.068% | 58.010% |
| 312 | CINTAS CORP COMMON STOCK | | 15,236,021.04 | 0.067% | 58.078% |
| 313 | ALEXION PHARMACEUTICALS INC COMMON STOCK USD.0001 | | 15,218,049.52 | 0.067% | 58.145% |
| 314 | BROWN FORMAN CORP CLASS B COMMON STOCK USD.15 | | 15,207,852.66 | 0.067% | 58.213% |
| 315 | WHIRLPOOL CORP COMMON STOCK USD1.0 | | 15,199,906.36 | 0.067% | 58.280% |
| 316 | CIMAREX ENERGY CO COMMON STOCK USD.01 | | 15,192,224.55 | 0.067% | 58.347% |
| 317 | FIRST AMERICAN FINANCIAL COMMON STOCK USD.00001 | | 15,184,162.08 | 0.067% | 58.415% |
| 318 | MARATHON OIL CORP COMMON STOCK USD1.0 | | 15,164,550.00 | 0.067% | 58.482% |
| 319 | SVB FINANCIAL GROUP COMMON STOCK USD.001 | | 15,140,992.16 | 0.067% | 58.549% |
| 320 | SUNTRUST BANKS INC COMMON STOCK USD1.0 | | 15,084,889.04 | 0.067% | 58.616% |
| 321 | TWITTER INC COMMON STOCK USD.000005 | | 15,064,990.68 | 0.067% | 58.682% |
| 322 | VULCAN MATERIALS CO COMMON STOCK USD1.0 | | 15,056,230.80 | 0.067% | 58.749% |
| 323 | KLA TENCOR CORP COMMON STOCK USD.001 | | 15,026,444.88 | 0.067% | 58.816% |
| 324 | SEI INVESTMENTS COMPANY COMMON STOCK USD.01 | | 15,023,500.80 | 0.067% | 58.882% |
| 325 | NORWEGIAN CRUISE LINE HOLDIN COMMON STOCK USD.001 | | 14,986,602.99 | 0.066% | 58.949% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 326 | VIACOM INC CLASS B COMMON STOCK USD.001 | | 14,979,450.60 | 0.066% | 59.015% |
| 327 | E TRADE FINANCIAL CORP COMMON STOCK USD.01 | | 14,961,851.36 | 0.066% | 59.081% |
| 328 | MICROCHIP TECHNOLOGY INC COMMON STOCK USD.001 | | 14,945,119.84 | 0.066% | 59.147% |
| 329 | REINSURANCE GROUP OF AMERICA COMMON STOCK USD.01 | | 14,938,842.13 | 0.066% | 59.214% |
| 330 | BROWN + BROWN INC COMMON STOCK USD.1 | | 14,910,649.00 | 0.066% | 59.280% |
| 331 | HERBALIFE NUTRITION LTD COMMON STOCK USD.002 | | 14,901,616.80 | 0.066% | 59.346% |
| 332 | CINEMARK HOLDINGS INC COMMON STOCK USD.001 | | 14,842,823.20 | 0.066% | 59.411% |
| 333 | CELGENE CORP COMMON STOCK USD.01 | | 14,806,520.43 | 0.066% | 59.477% |
| 334 | BECTON DICKINSON AND CO COMMON STOCK USD1.0 | | 14,794,285.88 | 0.066% | 59.543% |
| 335 | TIFFANY + CO COMMON STOCK USD.01 | | 14,777,771.52 | 0.065% | 59.608% |
| 336 | ALLISON TRANSMISSION HOLDING COMMON STOCK USD.01 | | 14,774,134.24 | 0.065% | 59.673% |
| 337 | MARRIOTT INTERNATIONAL CL A COMMON STOCK USD.01 | | 14,738,974.08 | 0.065% | 59.739% |
| 338 | ZOETIS INC COMMON STOCK USD.01 | | 14,701,246.56 | 0.065% | 59.804% |
| 339 | MOLSON COORS BREWING CO B COMMON STOCK USD.01 | | 14,690,276.64 | 0.065% | 59.869% |
| 340 | MICHAEL KORS HOLDINGS LTD COMMON STOCK | | 14,571,783.84 | 0.065% | 59.933% |
| 341 | CURTISS WRIGHT CORP COMMON STOCK USD1.0 | | 14,562,209.88 | 0.065% | 59.998% |
| 342 | METTLER TOLEDO INTERNATIONAL COMMON STOCK USD.01 | | 14,508,258.16 | 0.064% | 60.062% |
| 343 | PAYCHEX INC COMMON STOCK USD.01 | | 14,498,090.10 | 0.064% | 60.127% |
| 344 | PACKAGING CORP OF AMERICA COMMON STOCK USD.01 | | 14,437,912.32 | 0.064% | 60.190% |
| 345 | GRAPHIC PACKAGING HOLDING CO COMMON STOCK USD.01 | | 14,372,788.64 | 0.064% | 60.254% |
| 346 | EVEREST RE GROUP LTD COMMON STOCK USD.01 | | 14,334,052.00 | 0.063% | 60.318% |
| 347 | HENRY SCHEIN INC COMMON STOCK USD.01 | | 14,298,570.52 | 0.063% | 60.381% |
| 348 | BAXTER INTERNATIONAL INC COMMON STOCK USD1.0 | | 14,253,255.18 | 0.063% | 60.444% |
| 349 | BEMIS COMPANY COMMON STOCK USD.1 | | 14,245,478.10 | 0.063% | 60.507% |
| 350 | STRYKER CORP COMMON STOCK USD.1 | | 14,244,029.25 | 0.063% | 60.570% |
| 351 | SPIRIT AIRLINES INC COMMON STOCK USD.0001 | | 14,222,777.28 | 0.063% | 60.633% |
| 352 | ACTIVISION BLIZZARD INC COMMON STOCK USD.000001 | | 14,197,702.76 | 0.063% | 60.696% |
| 353 | JETBLUE AIRWAYS CORP COMMON STOCK USD.01 | | 14,148,313.96 | 0.063% | 60.759% |
| 354 | NEXSTAR MEDIA GROUP INC CL A COMMON STOCK USD.01 | | 14,142,145.76 | 0.063% | 60.822% |
| 355 | HUNTINGTON INGALLS INDUSTRIE COMMON STOCK USD.01 | | 14,102,351.62 | 0.062% | 60.884% |
| 356 | FAIR ISAAC CORP COMMON STOCK USD.01 | | 14,091,198.00 | 0.062% | 60.946% |
| 357 | HESS CORP COMMON STOCK USD1.0 | | 14,056,861.50 | 0.062% | 61.009% |
| 358 | TAKE TWO INTERACTIVE SOFTWARE COMMON STOCK USD.01 | | 14,008,795.78 | 0.062% | 61.071% |
| 359 | OSHKOSH CORP COMMON STOCK USD.01 | | 13,972,855.55 | 0.062% | 61.133% |
| 360 | HILL ROM HOLDINGS INC COMMON STOCK | | 13,915,986.70 | 0.062% | 61.194% |
| 361 | C.H. ROBINSON WORLDWIDE INC COMMON STOCK USD.1 | | 13,870,561.41 | 0.061% | 61.256% |
| 362 | MOSAIC CO/THE COMMON STOCK USD.01 | | 13,806,281.76 | 0.061% | 61.317% |
| 363 | PENTAIR PLC COMMON STOCK USD.01 | | 13,802,771.88 | 0.061% | 61.378% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 364 | US FOODS HOLDING CORP COMMON STOCK USD.01 | | 13,735,366.96 | 0.061% | 61.439% |
| 365 | AMERICAN EAGLE OUTFITTERS COMMON STOCK USD.01 | | 13,690,781.78 | 0.061% | 61.500% |
| 366 | SHERWIN WILLIAMS CO/THE COMMON STOCK USD1.0 | | 13,661,324.66 | 0.061% | 61.560% |
| 367 | HD SUPPLY HOLDINGS INC COMMON STOCK USD.01 | | 13,648,650.40 | 0.060% | 61.621% |
| 368 | EVERGY INC COMMON STOCK | | 13,616,511.58 | 0.060% | 61.681% |
| 369 | MASIMO CORP COMMON STOCK USD.001 | | 13,564,696.32 | 0.060% | 61.741% |
| 370 | DECKERS OUTDOOR CORP COMMON STOCK USD.01 | | 13,520,604.45 | 0.060% | 61.801% |
| 371 | ARRIS INTERNATIONAL PLC COMMON STOCK GBP.0001 | | 13,510,350.36 | 0.060% | 61.861% |
| 372 | AMERISOURCEBERGEN CORP COMMON STOCK USD.01 | | 13,494,820.80 | 0.060% | 61.920% |
| 373 | MURPHY USA INC COMMON STOCK | | 13,479,136.64 | 0.060% | 61.980% |
| 374 | WENDY S CO/THE COMMON STOCK USD.1 | | 13,425,614.65 | 0.059% | 62.040% |
| 375 | WEX INC COMMON STOCK USD.01 | | 13,403,461.88 | 0.059% | 62.099% |
| 376 | STEEL DYNAMICS INC COMMON STOCK USD.005 | | 13,359,929.52 | 0.059% | 62.158% |
| 377 | LINDE PLC COMMON STOCK EUR.001 | | 13,348,129.72 | 0.059% | 62.217% |
| 378 | CREE INC COMMON STOCK USD.00125 | | 13,342,335.23 | 0.059% | 62.276% |
| 379 | FASTENAL CO COMMON STOCK USD.01 | | 13,337,714.88 | 0.059% | 62.336% |
| 380 | ARCH CAPITAL GROUP LTD COMMON STOCK USD.01 | | 13,336,459.68 | 0.059% | 62.395% |
| 381 | NORDSON CORP COMMON STOCK | | 13,299,409.20 | 0.059% | 62.454% |
| 382 | OLD REPUBLIC INTL CORP COMMON STOCK USD1.0 | | 13,293,835.61 | 0.059% | 62.512% |
| 383 | ADVANCE AUTO PARTS INC COMMON STOCK USD.0001 | | 13,292,773.20 | 0.059% | 62.571% |
| 384 | JM SMUCKER CO/THE COMMON STOCK | | 13,273,897.18 | 0.059% | 62.630% |
| 385 | ALLEGHANY CORP COMMON STOCK USD1.0 | | 13,244,926.68 | 0.059% | 62.689% |
| 386 | ARROW ELECTRONICS INC COMMON STOCK USD1.0 | | 13,232,194.50 | 0.059% | 62.747% |
| 387 | CONSTELLATION BRANDS INC A COMMON STOCK USD.01 | | 13,216,348.42 | 0.059% | 62.806% |
| 388 | AKAMAI TECHNOLOGIES INC COMMON STOCK USD.01 | | 13,205,740.32 | 0.059% | 62.864% |
| 389 | FIRST REPUBLIC BANK/CA COMMON STOCK USD.01 | | 13,175,691.10 | 0.058% | 62.923% |
| 390 | AVERY DENNISON CORP COMMON STOCK USD1.0 | | 13,162,789.90 | 0.058% | 62.981% |
| 391 | BERRY GLOBAL GROUP INC COMMON STOCK USD.01 | | 13,158,537.91 | 0.058% | 63.039% |
| 392 | ADVANCED MICRO DEVICES COMMON STOCK USD.01 | | 13,137,649.72 | 0.058% | 63.098% |
| 393 | HANOVER INSURANCE GROUP INC/ COMMON STOCK USD.01 | | 13,114,438.70 | 0.058% | 63.156% |
| 394 | SALESFORCE.COM INC COMMON STOCK USD.001 | | 13,104,604.75 | 0.058% | 63.214% |
| 395 | URBAN OUTFITTERS INC COMMON STOCK USD.0001 | | 13,082,958.00 | 0.058% | 63.272% |
| 396 | ALLIANCE DATA SYSTEMS CORP COMMON STOCK USD.01 | | 13,032,647.04 | 0.058% | 63.329% |
| 397 | INTEGRATED DEVICE TECH INC COMMON STOCK USD.001 | | 13,020,599.22 | 0.058% | 63.387% |
| 398 | FLOWERS FOODS INC COMMON STOCK USD.01 | | 12,993,090.90 | 0.058% | 63.445% |
| 399 | BUNGE LTD COMMON STOCK USD.01 | | 12,945,626.24 | 0.057% | 63.502% |
| 400 | NU SKIN ENTERPRISES INC A COMMON STOCK USD.001 | | 12,903,402.69 | 0.057% | 63.559% |
| 401 | ROPER TECHNOLOGIES INC COMMON STOCK USD.01 | | 12,901,433.64 | 0.057% | 63.616% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 402 | MAXIMUS INC COMMON STOCK | | 12,870,896.60 | 0.057% | 63.673% |
| 403 | COLUMBIA SPORTSWEAR CO COMMON STOCK | | 12,861,481.41 | 0.057% | 63.730% |
| 404 | PBF ENERGY INC CLASS A COMMON STOCK USD.001 | | 12,840,845.49 | 0.057% | 63.787% |
| 405 | COMMERCE BANCSHARES INC COMMON STOCK USD5.0 | | 12,834,321.60 | 0.057% | 63.844% |
| 406 | QURATE RETAIL INC COMMON STOCK USD.01 | | 12,798,151.36 | 0.057% | 63.901% |
| 407 | SYNNEX CORP COMMON STOCK USD.001 | | 12,796,648.64 | 0.057% | 63.958% |
| 408 | ASSURANT INC COMMON STOCK USD.01 | | 12,769,706.56 | 0.057% | 64.014% |
| 409 | EURONET WORLDWIDE INC COMMON STOCK USD.02 | | 12,766,888.38 | 0.057% | 64.071% |
| 410 | DUKE ENERGY CORP COMMON STOCK USD.001 | | 12,764,201.50 | 0.057% | 64.127% |
| 411 | RELIANCE STEEL + ALUMINUM COMMON STOCK | | 12,759,499.94 | 0.057% | 64.184% |
| 412 | ANSYS INC COMMON STOCK USD.01 | | 12,754,107.38 | 0.057% | 64.240% |
| 413 | WOODWARD INC COMMON STOCK USD.00292 | | 12,703,292.84 | 0.056% | 64.296% |
| 414 | EQUIFAX INC COMMON STOCK USD1.25 | | 12,670,615.89 | 0.056% | 64.353% |
| 415 | RENAISSANCERE HOLDINGS LTD COMMON STOCK USD1.0 | | 12,664,465.10 | 0.056% | 64.409% |
| 416 | CARNIVAL CORP COMMON STOCK USD.01 | | 12,640,667.90 | 0.056% | 64.465% |
| 417 | SANTANDER CONSUMER USA HOLDI COMMON STOCK USD.01 | | 12,625,873.33 | 0.056% | 64.521% |
| 418 | AGCO CORP COMMON STOCK USD.01 | | 12,588,601.43 | 0.056% | 64.576% |
| 419 | MARVELL TECHNOLOGY GROUP LTD COMMON STOCK USD.002 | | 12,580,569.02 | 0.056% | 64.632% |
| 420 | QUANTA SERVICES INC COMMON STOCK USD.00001 | | 12,570,061.00 | 0.056% | 64.688% |
| 421 | GENPACT LTD COMMON STOCK USD.01 | | 12,564,303.83 | 0.056% | 64.743% |
| 422 | RAYMOND JAMES FINANCIAL INC COMMON STOCK USD.01 | | 12,540,614.94 | 0.056% | 64.799% |
| 423 | INTUITIVE SURGICAL INC COMMON STOCK USD.001 | | 12,527,110.44 | 0.055% | 64.855% |
| 424 | WESTERN ALLIANCE BANCORP COMMON STOCK USD.0001 | | 12,526,346.47 | 0.055% | 64.910% |
| 425 | BRUNSWICK CORP COMMON STOCK USD.75 | | 12,509,263.70 | 0.055% | 64.965% |
| 426 | ULTA BEAUTY INC COMMON STOCK USD.01 | | 12,458,193.72 | 0.055% | 65.021% |
| 427 | GREEN DOT CORP CLASS A COMMON STOCK USD.001 | | 12,452,354.88 | 0.055% | 65.076% |
| 428 | UGI CORP COMMON STOCK | | 12,449,542.60 | 0.055% | 65.131% |
| 429 | WESTERN DIGITAL CORP COMMON STOCK USD.01 | | 12,443,695.33 | 0.055% | 65.186% |
| 430 | NATIONAL OILWELL VARCO INC COMMON STOCK USD.01 | | 12,434,713.70 | 0.055% | 65.241% |
| 431 | SYNOVUS FINANCIAL CORP COMMON STOCK USD1.0 | | 12,433,809.22 | 0.055% | 65.296% |
| 432 | TERADATA CORP COMMON STOCK USD.01 | | 12,316,015.04 | 0.055% | 65.351% |
| 433 | GOODYEAR TIRE + RUBBER CO COMMON STOCK | | 12,306,556.47 | 0.055% | 65.405% |
| 434 | ESTERLINE TECHNOLOGIES CORP COMMON STOCK USD.2 | | 12,238,152.15 | 0.054% | 65.460% |
| 435 | WATERS CORP COMMON STOCK USD.01 | | 12,229,802.20 | 0.054% | 65.514% |
| 436 | KANSAS CITY SOUTHERN COMMON STOCK USD.01 | | 12,209,295.85 | 0.054% | 65.568% |
| 437 | INSPERITY INC COMMON STOCK USD.01 | | 12,183,480.00 | 0.054% | 65.622% |
| 438 | EDWARDS LIFESCIENCES CORP COMMON STOCK USD1.0 | | 12,150,363.42 | 0.054% | 65.676% |
| 439 | AMN HEALTHCARE SERVICES INC COMMON STOCK USD.01 | | 12,147,790.68 | 0.054% | 65.729% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 440 | CATALENT INC COMMON STOCK USD.01 | | 12,130,703.72 | 0.054% | 65.783% |
| 441 | SEAGATE TECHNOLOGY COMMON STOCK USD.00001 | | 12,114,867.42 | 0.054% | 65.837% |
| 442 | PAYCOM SOFTWARE INC COMMON STOCK USD.01 | | 12,084,590.50 | 0.054% | 65.890% |
| 443 | MGM RESORTS INTERNATIONAL COMMON STOCK USD.01 | | 12,072,600.84 | 0.053% | 65.944% |
| 444 | CONAGRA BRANDS INC COMMON STOCK USD5.0 | | 12,063,487.20 | 0.053% | 65.997% |
| 445 | MURPHY OIL CORP COMMON STOCK USD1.0 | | 12,048,329.34 | 0.053% | 66.051% |
| 446 | ROBERT HALF INTL INC COMMON STOCK USD.001 | | 12,019,035.60 | 0.053% | 66.104% |
| 447 | ITT INC COMMON STOCK USD1.0 | | 12,014,016.84 | 0.053% | 66.157% |
| 448 | FIRSTCASH INC COMMON STOCK USD.01 | | 12,012,487.55 | 0.053% | 66.210% |
| 449 | WEBSTER FINANCIAL CORP COMMON STOCK USD.01 | | 11,976,287.04 | 0.053% | 66.263% |
| 450 | VAIL RESORTS INC COMMON STOCK USD.01 | | 11,967,408.12 | 0.053% | 66.316% |
| 451 | IDEX CORP COMMON STOCK USD.01 | | 11,930,686.18 | 0.053% | 66.369% |
| 452 | ENTEGRIS INC COMMON STOCK USD.01 | | 11,918,975.60 | 0.053% | 66.422% |
| 453 | TD AMERITRADE HOLDING CORP COMMON STOCK USD.01 | | 11,914,856.64 | 0.053% | 66.475% |
| 454 | UBIQUITI NETWORKS INC COMMON STOCK USD.001 | | 11,913,990.27 | 0.053% | 66.528% |
| 455 | ARISTA NETWORKS INC COMMON STOCK USD.0001 | | 11,908,764.00 | 0.053% | 66.580% |
| 456 | AXALTA COATING SYSTEMS LTD COMMON STOCK USD1.0 | | 11,894,010.94 | 0.053% | 66.633% |
| 457 | TORCHMARK CORP COMMON STOCK USD1.0 | | 11,892,230.39 | 0.053% | 66.686% |
| 458 | POLARIS INDUSTRIES INC COMMON STOCK USD.01 | | 11,889,157.32 | 0.053% | 66.738% |
| 459 | BROADRIDGE FINANCIAL SOLUTIONS COMMON STOCK USD.01 | | 11,882,062.50 | 0.053% | 66.791% |
| 460 | BOOZ ALLEN HAMILTON HOLDINGS COMMON STOCK USD.01 | | 11,871,978.84 | 0.053% | 66.844% |
| 461 | SLM CORP COMMON STOCK USD.2 | | 11,869,829.49 | 0.053% | 66.896% |
| 462 | FMC CORP COMMON STOCK USD.1 | | 11,854,456.72 | 0.053% | 66.949% |
| 463 | BRINK S CO/THE COMMON STOCK USD1.0 | | 11,850,151.05 | 0.052% | 67.001% |
| 464 | J2 GLOBAL INC COMMON STOCK USD.01 | | 11,820,131.84 | 0.052% | 67.054% |
| 465 | WESTROCK CO COMMON STOCK | | 11,814,688.64 | 0.052% | 67.106% |
| 466 | MOHAWK INDUSTRIES INC COMMON STOCK USD.01 | | 11,800,445.28 | 0.052% | 67.158% |
| 467 | CHEMED CORP COMMON STOCK USD1.0 | | 11,794,079.52 | 0.052% | 67.210% |
| 468 | MADISON SQUARE GARDEN CO A COMMON STOCK USD.01 | | 11,793,255.80 | 0.052% | 67.263% |
| 469 | SABRE CORP COMMON STOCK USD.01 | | 11,790,359.24 | 0.052% | 67.315% |
| 470 | KIMBERLY CLARK CORP COMMON STOCK USD1.25 | | 11,784,928.14 | 0.052% | 67.367% |
| 471 | TERADYNE INC COMMON STOCK USD.125 | | 11,705,053.80 | 0.052% | 67.419% |
| 472 | FACTSET RESEARCH SYSTEMS INC COMMON STOCK USD.01 | | 11,703,002.01 | 0.052% | 67.471% |
| 473 | IPG PHOTONICS CORP COMMON STOCK USD.0001 | | 11,690,508.39 | 0.052% | 67.523% |
| 474 | TELEPHONE AND DATA SYSTEMS COMMON STOCK USD.01 | | 11,686,448.14 | 0.052% | 67.574% |
| 475 | ABIOMED INC COMMON STOCK USD.01 | | 11,672,836.48 | 0.052% | 67.626% |
| 476 | MSC INDUSTRIAL DIRECT CO A COMMON STOCK USD.001 | | 11,666,764.08 | 0.052% | 67.678% |
| 477 | HUBBELL INC COMMON STOCK USD.01 | | 11,632,813.34 | 0.052% | 67.729% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 478 | PENSKE AUTOMOTIVE GROUP INC COMMON STOCK USD.0001 | | 11,592,241.92 | 0.051% | 67.781% |
| 479 | VF CORP COMMON STOCK | | 11,574,772.32 | 0.051% | 67.832% |
| 480 | PRA HEALTH SCIENCES INC COMMON STOCK USD.01 | | 11,548,244.84 | 0.051% | 67.883% |
| 481 | ROYAL GOLD INC COMMON STOCK USD.01 | | 11,527,804.80 | 0.051% | 67.934% |
| 482 | JACK HENRY + ASSOCIATES INC COMMON STOCK USD.01 | | 11,518,254.28 | 0.051% | 67.985% |
| 483 | TARGA RESOURCES CORP COMMON STOCK USD.001 | | 11,514,117.18 | 0.051% | 68.036% |
| 484 | LIBERTY BROADBAND C COMMON STOCK USD.01 | | 11,505,712.05 | 0.051% | 68.087% |
| 485 | OWENS CORNING COMMON STOCK USD.001 | | 11,505,475.86 | 0.051% | 68.138% |
| 486 | NVR INC COMMON STOCK USD.01 | | 11,500,155.81 | 0.051% | 68.189% |
| 487 | THOR INDUSTRIES INC COMMON STOCK USD.1 | | 11,456,692.00 | 0.051% | 68.240% |
| 488 | SYNOPSIS INC COMMON STOCK USD.01 | | 11,455,544.88 | 0.051% | 68.291% |
| 489 | MAXIM INTEGRATED PRODUCTS COMMON STOCK USD.001 | | 11,447,453.70 | 0.051% | 68.341% |
| 490 | OLIN CORP COMMON STOCK USD1.0 | | 11,419,543.94 | 0.051% | 68.392% |
| 491 | BRIGHT HORIZONS FAMILY SOLUT COMMON STOCK USD.001 | | 11,404,121.25 | 0.051% | 68.442% |
| 492 | MOODY S CORP COMMON STOCK USD.01 | | 11,392,534.08 | 0.050% | 68.493% |
| 493 | COLGATE PALMOLIVE CO COMMON STOCK USD1.0 | | 11,369,391.36 | 0.050% | 68.543% |
| 494 | HAEMONETICS CORP/MASS COMMON STOCK USD.01 | | 11,338,666.50 | 0.050% | 68.593% |
| 495 | BURLINGTON STORES INC COMMON STOCK USD.0001 | | 11,338,424.34 | 0.050% | 68.644% |
| 496 | ARTHUR J GALLAGHER + CO COMMON STOCK USD1.0 | | 11,338,008.00 | 0.050% | 68.694% |
| 497 | FIRST SOLAR INC COMMON STOCK USD.001 | | 11,333,659.44 | 0.050% | 68.744% |
| 498 | AMERCO COMMON STOCK USD.25 | | 11,327,341.53 | 0.050% | 68.794% |
| 499 | FIVE BELOW COMMON STOCK USD.01 | | 11,282,007.84 | 0.050% | 68.844% |
| 500 | LULULEMON ATHLETICA INC COMMON STOCK USD.005 | | 11,257,924.14 | 0.050% | 68.894% |
| 501 | MARTIN MARIETTA MATERIALS COMMON STOCK USD.01 | | 11,244,594.75 | 0.050% | 68.944% |
| 502 | TOLL BROTHERS INC COMMON STOCK USD.01 | | 11,227,746.94 | 0.050% | 68.994% |
| 503 | FEDERATED INVESTORS INC CL B COMMON STOCK | | 11,211,799.50 | 0.050% | 69.043% |
| 504 | WINTRUST FINANCIAL CORP COMMON STOCK | | 11,193,059.58 | 0.050% | 69.093% |
| 505 | GENERAC HOLDINGS INC COMMON STOCK USD.01 | | 11,169,727.10 | 0.049% | 69.142% |
| 506 | CABLE ONE INC COMMON STOCK USD.01 | | 11,166,481.60 | 0.049% | 69.192% |
| 507 | CITRIX SYSTEMS INC COMMON STOCK USD.001 | | 11,163,836.68 | 0.049% | 69.241% |
| 508 | LEGGETT + PLATT INC COMMON STOCK USD.01 | | 11,130,362.88 | 0.049% | 69.291% |
| 509 | SPROUTS FARMERS MARKET INC COMMON STOCK USD.001 | | 11,121,711.13 | 0.049% | 69.340% |
| 510 | RESMED INC COMMON STOCK USD.004 | | 11,109,954.29 | 0.049% | 69.389% |
| 511 | LINCOLN ELECTRIC HOLDINGS COMMON STOCK | | 11,091,198.70 | 0.049% | 69.438% |
| 512 | NORDSTROM INC COMMON STOCK | | 11,088,239.34 | 0.049% | 69.487% |
| 513 | MASTEC INC COMMON STOCK USD.1 | | 11,071,379.28 | 0.049% | 69.536% |
| 514 | WPX ENERGY INC COMMON STOCK USD.01 | | 11,070,721.90 | 0.049% | 69.585% |
| 515 | ZIONS BANCORP NA COMMON STOCK USD.001 | | 11,062,091.46 | 0.049% | 69.634% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 516 | RED HAT INC COMMON STOCK USD.0001 | | 11,055,835.44 | 0.049% | 69.683% |
| 517 | SANDERSON FARMS INC COMMON STOCK USD1.0 | | 11,029,331.78 | 0.049% | 69.732% |
| 518 | KEMPER CORP COMMON STOCK USD.1 | | 11,005,206.58 | 0.049% | 69.781% |
| 519 | USANA HEALTH SCIENCES INC COMMON STOCK USD.001 | | 11,004,811.75 | 0.049% | 69.830% |
| 520 | WABCO HOLDINGS INC COMMON STOCK USD.01 | | 10,984,638.90 | 0.049% | 69.878% |
| 521 | POOL CORP COMMON STOCK USD.001 | | 10,964,126.70 | 0.049% | 69.927% |
| 522 | LENNOX INTERNATIONAL INC COMMON STOCK USD.01 | | 10,957,663.62 | 0.049% | 69.976% |
| 523 | DENTSPLY SIRONA INC COMMON STOCK USD.01 | | 10,955,293.78 | 0.049% | 70.024% |
| 524 | EMCOR GROUP INC COMMON STOCK USD.01 | | 10,932,760.71 | 0.048% | 70.073% |
| 525 | SS+C TECHNOLOGIES HOLDINGS COMMON STOCK USD.01 | | 10,932,634.05 | 0.048% | 70.121% |
| 526 | MIDDLEBY CORP COMMON STOCK USD.01 | | 10,917,630.75 | 0.048% | 70.169% |
| 527 | GRACO INC COMMON STOCK USD1.0 | | 10,917,493.20 | 0.048% | 70.218% |
| 528 | POPULAR INC COMMON STOCK USD.01 | | 10,884,257.22 | 0.048% | 70.266% |
| 529 | EAST WEST BANCORP INC COMMON STOCK USD.001 | | 10,858,297.32 | 0.048% | 70.314% |
| 530 | CBOE GLOBAL MARKETS INC COMMON STOCK | | 10,852,575.39 | 0.048% | 70.362% |
| 531 | QORVO INC COMMON STOCK USD.0001 | | 10,845,224.13 | 0.048% | 70.410% |
| 532 | RYDER SYSTEM INC COMMON STOCK USD.5 | | 10,840,731.75 | 0.048% | 70.458% |
| 533 | TORO CO COMMON STOCK USD1.0 | | 10,823,117.80 | 0.048% | 70.506% |
| 534 | TEXAS ROADHOUSE INC COMMON STOCK USD.001 | | 10,799,968.80 | 0.048% | 70.554% |
| 535 | MARRIOTT VACATIONS WORLD COMMON STOCK USD.01 | | 10,790,920.91 | 0.048% | 70.602% |
| 536 | CADENCE DESIGN SYS INC COMMON STOCK USD.01 | | 10,723,994.16 | 0.048% | 70.649% |
| 537 | PERKINELMER INC COMMON STOCK USD1.0 | | 10,711,078.00 | 0.047% | 70.697% |
| 538 | GENESEE + WYOMING INC CL A COMMON STOCK USD.01 | | 10,702,995.92 | 0.047% | 70.744% |
| 539 | IDEX LABORATORIES INC COMMON STOCK USD.1 | | 10,692,429.60 | 0.047% | 70.792% |
| 540 | DORMAN PRODUCTS INC COMMON STOCK USD.01 | | 10,691,405.34 | 0.047% | 70.839% |
| 541 | MARKETAXESS HOLDINGS INC COMMON STOCK USD.003 | | 10,686,791.94 | 0.047% | 70.886% |
| 542 | FIDELITY NATIONAL FINANCIAL COMMON STOCK USD.0001 | | 10,680,891.12 | 0.047% | 70.934% |
| 543 | HUNT (JB) TRANSPRT SVCS INC COMMON STOCK USD.01 | | 10,662,290.96 | 0.047% | 70.981% |
| 544 | FIRST HORIZON NATIONAL CORP COMMON STOCK USD.625 | | 10,632,345.64 | 0.047% | 71.028% |
| 545 | AUTONATION INC COMMON STOCK USD.01 | | 10,630,603.20 | 0.047% | 71.075% |
| 546 | ICU MEDICAL INC COMMON STOCK USD.1 | | 10,611,202.30 | 0.047% | 71.122% |
| 547 | TCF FINANCIAL CORP COMMON STOCK USD.01 | | 10,598,564.55 | 0.047% | 71.169% |
| 548 | SMITH (A.O.) CORP COMMON STOCK USD1.0 | | 10,562,528.20 | 0.047% | 71.216% |
| 549 | NOBLE ENERGY INC COMMON STOCK USD.01 | | 10,560,791.92 | 0.047% | 71.262% |
| 550 | STRATEGIC EDUCATION INC COMMON STOCK USD.01 | | 10,559,515.42 | 0.047% | 71.309% |
| 551 | SELECTIVE INSURANCE GROUP COMMON STOCK USD2.0 | | 10,512,393.76 | 0.047% | 71.356% |
| 552 | LIVANOVA PLC COMMON STOCK GBP1.0 | | 10,493,804.28 | 0.046% | 71.402% |
| 553 | AUTOLIV INC COMMON STOCK USD1.0 | | 10,465,463.91 | 0.046% | 71.449% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 554 | AIR LEASE CORP COMMON STOCK USD.01 | | 10,444,926.24 | 0.046% | 71.495% |
| 555 | EXPEDITORS INTL WASH INC COMMON STOCK USD.01 | | 10,442,350.49 | 0.046% | 71.541% |
| 556 | SNAP ON INC COMMON STOCK USD1.0 | | 10,440,684.69 | 0.046% | 71.587% |
| 557 | CARLISLE COS INC COMMON STOCK USD1.0 | | 10,425,733.36 | 0.046% | 71.634% |
| 558 | CYPRESS SEMICONDUCTOR CORP COMMON STOCK USD.01 | | 10,388,856.48 | 0.046% | 71.680% |
| 559 | CRACKER BARREL OLD COUNTRY COMMON STOCK USD.01 | | 10,355,570.94 | 0.046% | 71.726% |
| 560 | FIRST DATA CORP CLASS A COMMON STOCK USD.01 | | 10,350,424.99 | 0.046% | 71.771% |
| 561 | PLANET FITNESS INC CL A COMMON STOCK USD.0001 | | 10,305,656.76 | 0.046% | 71.817% |
| 562 | CACI INTERNATIONAL INC CL A COMMON STOCK USD.1 | | 10,299,873.36 | 0.046% | 71.863% |
| 563 | LITTELFUSE INC COMMON STOCK USD.01 | | 10,298,059.92 | 0.046% | 71.908% |
| 564 | STERIS PLC COMMON STOCK | | 10,289,761.85 | 0.046% | 71.954% |
| 565 | NIELSEN HOLDINGS PLC COMMON STOCK EUR.07 | | 10,286,103.68 | 0.046% | 71.999% |
| 566 | FLIR SYSTEMS INC COMMON STOCK USD.01 | | 10,244,570.14 | 0.045% | 72.045% |
| 567 | CRANE CO COMMON STOCK USD1.0 | | 10,241,836.74 | 0.045% | 72.090% |
| 568 | ASSURED GUARANTY LTD COMMON STOCK USD.01 | | 10,215,439.08 | 0.045% | 72.135% |
| 569 | DONALDSON CO INC COMMON STOCK USD5.0 | | 10,189,056.75 | 0.045% | 72.181% |
| 570 | PEOPLE S UNITED FINANCIAL COMMON STOCK USD.01 | | 10,165,011.48 | 0.045% | 72.226% |
| 571 | ALBEMARLE CORP COMMON STOCK USD.01 | | 10,159,983.96 | 0.045% | 72.271% |
| 572 | LEIDOS HOLDINGS INC COMMON STOCK USD.0001 | | 10,155,717.20 | 0.045% | 72.316% |
| 573 | FTI CONSULTING INC COMMON STOCK USD.01 | | 10,153,403.68 | 0.045% | 72.361% |
| 574 | INTERDIGITAL INC COMMON STOCK USD.01 | | 10,137,284.43 | 0.045% | 72.406% |
| 575 | JUNIPER NETWORKS INC COMMON STOCK USD.00001 | | 10,100,722.32 | 0.045% | 72.450% |
| 576 | JONES LANG LASALLE INC COMMON STOCK USD.01 | | 10,057,610.40 | 0.045% | 72.495% |
| 577 | ASPEN TECHNOLOGY INC COMMON STOCK USD.1 | | 10,053,901.20 | 0.045% | 72.539% |
| 578 | DOMINO S PIZZA INC COMMON STOCK USD.01 | | 10,032,187.46 | 0.044% | 72.584% |
| 579 | GCI LIBERTY INC CLASS A COMMON STOCK USD.01 | | 10,029,745.32 | 0.044% | 72.628% |
| 580 | COMMUNITY BANK SYSTEM INC COMMON STOCK USD1.0 | | 10,016,872.80 | 0.044% | 72.673% |
| 581 | LANCASTER COLONY CORP COMMON STOCK | | 9,977,733.76 | 0.044% | 72.717% |
| 582 | CULLEN/FROST BANKERS INC COMMON STOCK USD.01 | | 9,968,174.88 | 0.044% | 72.761% |
| 583 | JACOBS ENGINEERING GROUP INC COMMON STOCK USD1.0 | | 9,946,267.48 | 0.044% | 72.805% |
| 584 | CIENA CORP COMMON STOCK USD.01 | | 9,937,325.50 | 0.044% | 72.849% |
| 585 | HILLENBRAND INC COMMON STOCK | | 9,917,632.96 | 0.044% | 72.893% |
| 586 | CARTER S INC COMMON STOCK USD.01 | | 9,889,160.82 | 0.044% | 72.937% |
| 587 | WATSCO INC COMMON STOCK USD.5 | | 9,875,044.08 | 0.044% | 72.981% |
| 588 | LHC GROUP INC COMMON STOCK USD.01 | | 9,873,359.60 | 0.044% | 73.024% |
| 589 | MERCURY GENERAL CORP COMMON STOCK | | 9,852,254.59 | 0.044% | 73.068% |
| 590 | LEGG MASON INC COMMON STOCK USD.1 | | 9,838,900.88 | 0.044% | 73.112% |
| 591 | STERLING BANCORP/DE COMMON STOCK USD.01 | | 9,819,190.42 | 0.043% | 73.155% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 592 | ADTALEM GLOBAL EDUCATION INC COMMON STOCK USD.01 | | 9,810,003.84 | 0.043% | 73.198% |
| 593 | KIRBY CORP COMMON STOCK USD.1 | | 9,791,516.96 | 0.043% | 73.242% |
| 594 | SERVICEMASTER GLOBAL HOLDING COMMON STOCK USD.01 | | 9,776,183.34 | 0.043% | 73.285% |
| 595 | VOYA FINANCIAL INC COMMON STOCK USD.01 | | 9,775,695.60 | 0.043% | 73.328% |
| 596 | ENERSYS COMMON STOCK USD.01 | | 9,768,615.48 | 0.043% | 73.372% |
| 597 | TREEHOUSE FOODS INC COMMON STOCK USD.01 | | 9,758,784.53 | 0.043% | 73.415% |
| 598 | COOPER COS INC/THE COMMON STOCK USD.1 | | 9,748,113.50 | 0.043% | 73.458% |
| 599 | CROWN HOLDINGS INC COMMON STOCK USD5.0 | | 9,740,682.40 | 0.043% | 73.501% |
| 600 | WABTEC CORP COMMON STOCK USD.01 | | 9,709,393.00 | 0.043% | 73.544% |
| 601 | BIO RAD LABORATORIES A COMMON STOCK USD.0001 | | 9,690,540.60 | 0.043% | 73.587% |
| 602 | AXIS CAPITAL HOLDINGS LTD COMMON STOCK USD.0125 | | 9,656,525.08 | 0.043% | 73.630% |
| 603 | EATON VANCE CORP COMMON STOCK USD.00390625 | | 9,654,904.74 | 0.043% | 73.673% |
| 604 | PERFORMANCE FOOD GROUP CO COMMON STOCK USD.01 | | 9,643,695.88 | 0.043% | 73.716% |
| 605 | PROSPERITY BANCSHARES INC COMMON STOCK USD1.0 | | 9,643,230.10 | 0.043% | 73.758% |
| 606 | AMEDISYS INC COMMON STOCK USD.001 | | 9,637,333.23 | 0.043% | 73.801% |
| 607 | CLEAN HARBORS INC COMMON STOCK USD.01 | | 9,632,379.75 | 0.043% | 73.844% |
| 608 | NATIONAL INSTRUMENTS CORP COMMON STOCK USD.01 | | 9,624,689.58 | 0.043% | 73.886% |
| 609 | HELEN OF TROY LTD COMMON STOCK USD.1 | | 9,608,803.82 | 0.043% | 73.929% |
| 610 | TREX COMPANY INC COMMON STOCK USD.01 | | 9,594,238.08 | 0.043% | 73.971% |
| 611 | BOK FINANCIAL CORPORATION COMMON STOCK USD.00006 | | 9,576,971.33 | 0.042% | 74.014% |
| 612 | LOUISIANA PACIFIC CORP COMMON STOCK USD1.0 | | 9,553,289.02 | 0.042% | 74.056% |
| 613 | DOMINION ENERGY INC COMMON STOCK | | 9,514,899.00 | 0.042% | 74.098% |
| 614 | SHENANDOAH TELECOMMUNICATION COMMON STOCK | | 9,497,510.25 | 0.042% | 74.140% |
| 615 | PEABODY ENERGY CORP COMMON STOCK | | 9,489,917.52 | 0.042% | 74.182% |
| 616 | RH COMMON STOCK USD.0001 | | 9,487,227.78 | 0.042% | 74.224% |
| 617 | CAMPBELL SOUP CO COMMON STOCK USD.0375 | | 9,482,645.60 | 0.042% | 74.266% |
| 618 | AECOM COMMON STOCK USD.01 | | 9,464,077.50 | 0.042% | 74.308% |
| 619 | HORIZON PHARMA PLC COMMON STOCK USD.0001 | | 9,429,417.80 | 0.042% | 74.350% |
| 620 | ALCOA CORP COMMON STOCK USD.01 | | 9,421,786.02 | 0.042% | 74.392% |
| 621 | LAZARD LTD CL A COMMON STOCK USD.01 | | 9,411,053.43 | 0.042% | 74.433% |
| 622 | WHITE MOUNTAINS INSURANCE GP COMMON STOCK USD1.0 | | 9,389,990.12 | 0.042% | 74.475% |
| 623 | WYNDHAM HOTELS + RESORTS INC COMMON STOCK USD.01 | | 9,389,775.20 | 0.042% | 74.517% |
| 624 | FLEX LTD COMMON STOCK | | 9,371,669.34 | 0.042% | 74.558% |
| 625 | EXELON CORP COMMON STOCK | | 9,356,446.00 | 0.041% | 74.600% |
| 626 | GARMIN LTD COMMON STOCK CHF.1 | | 9,352,047.40 | 0.041% | 74.641% |
| 627 | WESTLAKE CHEMICAL CORP COMMON STOCK USD.01 | | 9,324,676.40 | 0.041% | 74.682% |
| 628 | PVH CORP COMMON STOCK USD1.0 | | 9,300,948.80 | 0.041% | 74.724% |
| 629 | INVESCO LTD COMMON STOCK USD.2 | | 9,289,762.56 | 0.041% | 74.765% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 630 | CORELOGIC INC COMMON STOCK USD1.0 | | 9,286,047.78 | 0.041% | 74.806% |
| 631 | FULTON FINANCIAL CORP COMMON STOCK USD2.5 | | 9,265,383.72 | 0.041% | 74.847% |
| 632 | FRANKLIN RESOURCES INC COMMON STOCK USD.1 | | 9,257,004.64 | 0.041% | 74.888% |
| 633 | XCEL ENERGY INC COMMON STOCK USD2.5 | | 9,243,692.51 | 0.041% | 74.929% |
| 634 | DUNKIN BRANDS GROUP INC COMMON STOCK USD.001 | | 9,237,960.76 | 0.041% | 74.970% |
| 635 | WILLIAMS COS INC COMMON STOCK USD1.0 | | 9,228,321.90 | 0.041% | 75.011% |
| 636 | BELMOND LTD CLASS A COMMON STOCK USD.01 | | 9,217,723.01 | 0.041% | 75.051% |
| 637 | ASGN INC COMMON STOCK USD.01 | | 9,202,216.00 | 0.041% | 75.092% |
| 638 | GLACIER BANCORP INC COMMON STOCK USD.01 | | 9,193,068.22 | 0.041% | 75.133% |
| 639 | ALLEGION PLC COMMON STOCK USD.01 | | 9,163,541.31 | 0.041% | 75.174% |
| 640 | INGEVITY CORP COMMON STOCK USD.01 | | 9,152,338.40 | 0.041% | 75.214% |
| 641 | WEC ENERGY GROUP INC COMMON STOCK USD.01 | | 9,144,882.62 | 0.041% | 75.255% |
| 642 | LKQ CORP COMMON STOCK USD.01 | | 9,144,308.04 | 0.041% | 75.295% |
| 643 | SKECHERS USA INC CL A COMMON STOCK USD.001 | | 9,133,384.68 | 0.040% | 75.336% |
| 644 | ARCONIC INC COMMON STOCK | | 9,127,818.54 | 0.040% | 75.376% |
| 645 | EXTENDED STAY AMERICA INC UNIT USD.01 | | 9,116,511.00 | 0.040% | 75.416% |
| 646 | OWENS ILLINOIS INC COMMON STOCK USD.01 | | 9,114,960.40 | 0.040% | 75.457% |
| 647 | COVANTA HOLDING CORP COMMON STOCK USD.1 | | 9,067,343.78 | 0.040% | 75.497% |
| 648 | ELECTRONIC ARTS INC COMMON STOCK USD.01 | | 9,060,367.29 | 0.040% | 75.537% |
| 649 | ASHLAND GLOBAL HOLDINGS INC COMMON STOCK | | 9,045,129.28 | 0.040% | 75.577% |
| 650 | SOUTHERN CO/THE COMMON STOCK USD5.0 | | 9,033,948.72 | 0.040% | 75.617% |
| 651 | AUTOZONE INC COMMON STOCK USD.01 | | 9,031,436.82 | 0.040% | 75.657% |
| 652 | JAZZ PHARMACEUTICALS PLC COMMON STOCK USD.0001 | | 9,011,520.12 | 0.040% | 75.697% |
| 653 | KNIGHT SWIFT TRANSPORTATION COMMON STOCK USD.001 | | 9,003,138.40 | 0.040% | 75.737% |
| 654 | HEICO CORP CLASS A COMMON STOCK USD.01 | | 9,001,503.00 | 0.040% | 75.777% |
| 655 | MKS INSTRUMENTS INC COMMON STOCK | | 9,000,302.22 | 0.040% | 75.817% |
| 656 | KENNAMETAL INC COMMON STOCK USD1.25 | | 8,953,717.76 | 0.040% | 75.856% |
| 657 | AMDOCS LTD COMMON STOCK GBP.0001 | | 8,949,208.02 | 0.040% | 75.896% |
| 658 | BOSTON BEER COMPANY INC A COMMON STOCK USD.01 | | 8,928,661.32 | 0.040% | 75.936% |
| 659 | ERIE INDEMNITY COMPANY CL A COMMON STOCK | | 8,919,772.10 | 0.040% | 75.975% |
| 660 | CHILDREN S PLACE INC/THE COMMON STOCK USD.1 | | 8,907,828.93 | 0.039% | 76.015% |
| 661 | CONSOLIDATED EDISON INC COMMON STOCK USD.1 | | 8,890,233.58 | 0.039% | 76.054% |
| 662 | DELEK US HOLDINGS INC COMMON STOCK USD.01 | | 8,871,621.39 | 0.039% | 76.093% |
| 663 | MONSTER BEVERAGE CORP COMMON STOCK | | 8,869,591.66 | 0.039% | 76.133% |
| 664 | INTL FLAVORS + FRAGRANCES COMMON STOCK USD.125 | | 8,836,174.43 | 0.039% | 76.172% |
| 665 | ZAYO GROUP HOLDINGS INC COMMON STOCK USD.001 | | 8,820,237.00 | 0.039% | 76.211% |
| 666 | UMPQUA HOLDINGS CORP COMMON STOCK | | 8,808,027.60 | 0.039% | 76.250% |
| 667 | STEVEN MADDEN LTD COMMON STOCK USD.0001 | | 8,740,873.34 | 0.039% | 76.289% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 668 | COGNEX CORP COMMON STOCK USD.002 | | 8,732,382.06 | 0.039% | 76.327% |
| 669 | TRIMBLE INC COMMON STOCK | | 8,709,203.67 | 0.039% | 76.366% |
| 670 | EPAM SYSTEMS INC COMMON STOCK USD.001 | | 8,702,258.13 | 0.039% | 76.404% |
| 671 | PTC INC COMMON STOCK USD.01 | | 8,702,095.90 | 0.039% | 76.443% |
| 672 | CONTINENTAL RESOURCES INC/OK COMMON STOCK USD.01 | | 8,700,491.96 | 0.039% | 76.481% |
| 673 | NEWFIELD EXPLORATION CO COMMON STOCK USD.01 | | 8,699,024.10 | 0.039% | 76.520% |
| 674 | WEST PHARMACEUTICAL SERVICES COMMON STOCK USD.25 | | 8,686,732.39 | 0.038% | 76.558% |
| 675 | NEWMARKET CORP COMMON STOCK | | 8,683,972.57 | 0.038% | 76.597% |
| 676 | WHITING PETROLEUM CORP COMMON STOCK USD.001 | | 8,683,463.00 | 0.038% | 76.635% |
| 677 | ASPEN INSURANCE HOLDINGS LTD COMMON STOCK USD.001514456 | | 8,674,000.27 | 0.038% | 76.674% |
| 678 | GLOBUS MEDICAL INC A COMMON STOCK USD.001 | | 8,671,927.04 | 0.038% | 76.712% |
| 679 | UNUM GROUP COMMON STOCK USD.1 | | 8,668,627.76 | 0.038% | 76.751% |
| 680 | DEVON ENERGY CORP COMMON STOCK USD.1 | | 8,667,486.52 | 0.038% | 76.789% |
| 681 | TECH DATA CORP COMMON STOCK USD.0015 | | 8,662,860.90 | 0.038% | 76.827% |
| 682 | AARON S INC COMMON STOCK USD.5 | | 8,652,922.85 | 0.038% | 76.866% |
| 683 | BANK OF HAWAII CORP COMMON STOCK USD.01 | | 8,648,600.40 | 0.038% | 76.904% |
| 684 | PINNACLE WEST CAPITAL COMMON STOCK | | 8,638,939.20 | 0.038% | 76.942% |
| 685 | NEW YORK TIMES CO A COMMON STOCK USD.1 | | 8,610,426.39 | 0.038% | 76.980% |
| 686 | SYSCO CORP COMMON STOCK USD1.0 | | 8,608,544.10 | 0.038% | 77.019% |
| 687 | EVERSOURCE ENERGY COMMON STOCK USD5.0 | | 8,608,434.24 | 0.038% | 77.057% |
| 688 | F5 NETWORKS INC COMMON STOCK | | 8,606,061.42 | 0.038% | 77.095% |
| 689 | YUM BRANDS INC COMMON STOCK | | 8,582,938.08 | 0.038% | 77.133% |
| 690 | PLATFORM SPECIALTY PRODUCTS COMMON STOCK USD.01 | | 8,575,687.09 | 0.038% | 77.171% |
| 691 | AES CORP COMMON STOCK USD.01 | | 8,570,196.18 | 0.038% | 77.209% |
| 692 | HALLIBURTON CO COMMON STOCK USD2.5 | | 8,567,478.24 | 0.038% | 77.247% |
| 693 | LAS VEGAS SANDS CORP COMMON STOCK USD.001 | | 8,563,838.55 | 0.038% | 77.285% |
| 694 | LANDSTAR SYSTEM INC COMMON STOCK USD.01 | | 8,560,360.26 | 0.038% | 77.323% |
| 695 | HOWARD HUGHES CORP/THE COMMON STOCK | | 8,559,516.84 | 0.038% | 77.361% |
| 696 | BANKUNITED INC COMMON STOCK USD.01 | | 8,550,384.96 | 0.038% | 77.398% |
| 697 | FIRST CITIZENS BCSHS CL A COMMON STOCK USD1.0 | | 8,515,297.20 | 0.038% | 77.436% |
| 698 | EVERCORE INC A COMMON STOCK USD.01 | | 8,512,777.60 | 0.038% | 77.474% |
| 699 | PPL CORP COMMON STOCK USD.01 | | 8,502,654.57 | 0.038% | 77.512% |
| 700 | ACUITY BRANDS INC COMMON STOCK USD.01 | | 8,475,033.60 | 0.038% | 77.549% |
| 701 | AVNET INC COMMON STOCK USD1.0 | | 8,473,355.90 | 0.038% | 77.587% |
| 702 | COLUMBIA BANKING SYSTEM INC COMMON STOCK | | 8,467,001.35 | 0.038% | 77.624% |
| 703 | MSA SAFETY INC COMMON STOCK | | 8,462,052.28 | 0.037% | 77.662% |
| 704 | CLEARWATER PAPER CORP COMMON STOCK USD.0001 | | 8,454,050.48 | 0.037% | 77.699% |
| 705 | MEDIFAST INC COMMON STOCK USD.001 | | 8,441,100.36 | 0.037% | 77.736% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 706 | WESTERN UNION CO COMMON STOCK USD.01 | | 8,414,657.34 | 0.037% | 77.774% |
| 707 | MORNINGSTAR INC COMMON STOCK | | 8,402,979.68 | 0.037% | 77.811% |
| 708 | FORTUNE BRANDS HOME + SECURI COMMON STOCK USD.01 | | 8,367,639.41 | 0.037% | 77.848% |
| 709 | ROLLINS INC COMMON STOCK USD1.0 | | 8,354,081.50 | 0.037% | 77.885% |
| 710 | WASHINGTON FEDERAL INC COMMON STOCK USD1.0 | | 8,341,452.87 | 0.037% | 77.922% |
| 711 | DTE ENERGY COMPANY COMMON STOCK | | 8,339,452.10 | 0.037% | 77.959% |
| 712 | MOOG INC CLASS A COMMON STOCK USD1.0 | | 8,337,390.36 | 0.037% | 77.996% |
| 713 | WOLVERINE WORLD WIDE INC COMMON STOCK USD1.0 | | 8,315,030.49 | 0.037% | 78.033% |
| 714 | SYNEOS HEALTH INC COMMON STOCK USD.01 | | 8,312,648.15 | 0.037% | 78.070% |
| 715 | ARMSTRONG WORLD INDUSTRIES COMMON STOCK USD.01 | | 8,310,641.70 | 0.037% | 78.106% |
| 716 | H+R BLOCK INC COMMON STOCK | | 8,273,968.84 | 0.037% | 78.143% |
| 717 | SCIENCE APPLICATIONS INTE COMMON STOCK USD.0001 | | 8,272,655.30 | 0.037% | 78.180% |
| 718 | TRINITY INDUSTRIES INC COMMON STOCK USD.01 | | 8,251,874.89 | 0.037% | 78.216% |
| 719 | XEROX CORP COMMON STOCK USD1.0 | | 8,236,066.80 | 0.036% | 78.253% |
| 720 | BIO TECHNE CORP COMMON STOCK USD.01 | | 8,226,608.40 | 0.036% | 78.289% |
| 721 | DANA INC COMMON STOCK USD.01 | | 8,214,337.58 | 0.036% | 78.326% |
| 722 | LOGMEIN INC COMMON STOCK USD.01 | | 8,209,286.37 | 0.036% | 78.362% |
| 723 | BLACK KNIGHT INC COMMON STOCK | | 8,207,138.28 | 0.036% | 78.398% |
| 724 | NUANCE COMMUNICATIONS INC COMMON STOCK USD.001 | | 8,200,933.02 | 0.036% | 78.435% |
| 725 | DICK S SPORTING GOODS INC COMMON STOCK USD.01 | | 8,180,577.60 | 0.036% | 78.471% |
| 726 | REGAL BELOIT CORP COMMON STOCK USD.01 | | 8,151,018.00 | 0.036% | 78.507% |
| 727 | SILGAN HOLDINGS INC COMMON STOCK USD.01 | | 8,146,821.44 | 0.036% | 78.543% |
| 728 | EMERGENT BIOSOLUTIONS INC COMMON STOCK USD.001 | | 8,142,108.00 | 0.036% | 78.579% |
| 729 | CHIPOTLE MEXICAN GRILL INC COMMON STOCK USD.01 | | 8,141,400.45 | 0.036% | 78.615% |
| 730 | SENSIENT TECHNOLOGIES CORP COMMON STOCK USD.1 | | 8,141,142.80 | 0.036% | 78.651% |
| 731 | DARLING INGREDIENTS INC COMMON STOCK USD.01 | | 8,123,993.80 | 0.036% | 78.687% |
| 732 | FINISAR CORPORATION COMMON STOCK USD.001 | | 8,105,032.80 | 0.036% | 78.723% |
| 733 | IBERIABANK CORP COMMON STOCK USD1.0 | | 8,099,665.68 | 0.036% | 78.759% |
| 734 | MASCO CORP COMMON STOCK USD1.0 | | 8,085,503.28 | 0.036% | 78.795% |
| 735 | DISCOVERY INC C COMMON STOCK USD.01 | | 8,041,764.40 | 0.036% | 78.830% |
| 736 | HCA HEALTHCARE INC COMMON STOCK USD.01 | | 8,036,856.55 | 0.036% | 78.866% |
| 737 | GRUBHUB INC COMMON STOCK USD.0001 | | 8,034,018.76 | 0.036% | 78.902% |
| 738 | MDU RESOURCES GROUP INC COMMON STOCK USD1.0 | | 8,031,266.88 | 0.036% | 78.937% |
| 739 | FIRST FINANCIAL BANCORP COMMON STOCK | | 8,029,196.28 | 0.036% | 78.973% |
| 740 | OLD NATIONAL BANCORP COMMON STOCK | | 8,024,940.00 | 0.036% | 79.008% |
| 741 | TRIPADVISOR INC COMMON STOCK USD.001 | | 8,012,733.06 | 0.035% | 79.044% |
| 742 | SELECT MEDICAL HOLDINGS CORP COMMON STOCK USD.001 | | 7,985,576.55 | 0.035% | 79.079% |
| 743 | ARCH COAL INC A COMMON STOCK USD.01 | | 7,983,140.06 | 0.035% | 79.115% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 744 | REGENERON PHARMACEUTICALS COMMON STOCK USD.001 | | 7,982,442.00 | 0.035% | 79.150% |
| 745 | BLOOMIN BRANDS INC COMMON STOCK USD.01 | | 7,981,587.72 | 0.035% | 79.185% |
| 746 | HANCOCK WHITNEY CORP COMMON STOCK USD3.33 | | 7,970,712.75 | 0.035% | 79.221% |
| 747 | TETRA TECH INC COMMON STOCK USD.01 | | 7,965,953.44 | 0.035% | 79.256% |
| 748 | REXNORD CORP COMMON STOCK USD.01 | | 7,957,178.10 | 0.035% | 79.291% |
| 749 | LIBERTY TRIPADVISOR HDG A COMMON STOCK USD.01 | | 7,951,276.55 | 0.035% | 79.326% |
| 750 | TEGNA INC COMMON STOCK USD1.0 | | 7,936,871.81 | 0.035% | 79.362% |
| 751 | INTEGRA LIFESCIENCES HOLDING COMMON STOCK USD.01 | | 7,925,468.10 | 0.035% | 79.397% |
| 752 | DOLBY LABORATORIES INC CL A COMMON STOCK USD.001 | | 7,925,290.72 | 0.035% | 79.432% |
| 753 | SIGNATURE BANK COMMON STOCK USD.01 | | 7,905,780.57 | 0.035% | 79.467% |
| 754 | TRITON INTERNATIONAL LTD/BER COMMON STOCK USD.01 | | 7,888,952.63 | 0.035% | 79.502% |
| 755 | OLLIE S BARGAIN OUTLET HOLDI COMMON STOCK USD.001 | | 7,886,290.23 | 0.035% | 79.537% |
| 756 | FIRSTENERGY CORP COMMON STOCK USD.1 | | 7,885,950.60 | 0.035% | 79.572% |
| 757 | SKYWEST INC COMMON STOCK | | 7,875,592.53 | 0.035% | 79.606% |
| 758 | CHEESECAKE FACTORY INC/THE COMMON STOCK USD.01 | | 7,864,084.42 | 0.035% | 79.641% |
| 759 | PREMIER INC CLASS A COMMON STOCK USD.01 | | 7,863,295.50 | 0.035% | 79.676% |
| 760 | SCOTT'S MIRACLE GRO CO COMMON STOCK USD.01 | | 7,855,571.36 | 0.035% | 79.711% |
| 761 | TRANSDIGM GROUP INC COMMON STOCK USD.01 | | 7,846,884.50 | 0.035% | 79.746% |
| 762 | JEFFERIES FINANCIAL GROUP IN COMMON STOCK USD1.0 | | 7,843,039.68 | 0.035% | 79.780% |
| 763 | ACI WORLDWIDE INC COMMON STOCK USD.005 | | 7,842,784.80 | 0.035% | 79.815% |
| 764 | NAVIENT CORP COMMON STOCK USD.01 | | 7,823,879.08 | 0.035% | 79.850% |
| 765 | INTERNATIONAL BANCSHARES CRP COMMON STOCK USD1.0 | | 7,784,548.00 | 0.034% | 79.884% |
| 766 | NUVASIVE INC COMMON STOCK USD.001 | | 7,782,010.32 | 0.034% | 79.919% |
| 767 | CVB FINANCIAL CORP COMMON STOCK | | 7,768,137.93 | 0.034% | 79.953% |
| 768 | MONRO INC COMMON STOCK USD.01 | | 7,764,487.50 | 0.034% | 79.988% |
| 769 | VERISIGN INC COMMON STOCK USD.001 | | 7,763,722.95 | 0.034% | 80.022% |
| 770 | BARNES GROUP INC COMMON STOCK USD.01 | | 7,743,639.54 | 0.034% | 80.056% |
| 771 | EAGLE MATERIALS INC COMMON STOCK USD.01 | | 7,737,749.58 | 0.034% | 80.091% |
| 772 | ILLUMINA INC COMMON STOCK USD.01 | | 7,726,796.66 | 0.034% | 80.125% |
| 773 | BLACK HILLS CORP COMMON STOCK USD1.0 | | 7,718,863.78 | 0.034% | 80.159% |
| 774 | FOX FACTORY HOLDING CORP COMMON STOCK USD.001 | | 7,711,557.91 | 0.034% | 80.193% |
| 775 | POLYONE CORPORATION COMMON STOCK USD.01 | | 7,687,365.40 | 0.034% | 80.227% |
| 776 | CHENIERE ENERGY INC COMMON STOCK USD.003 | | 7,686,827.73 | 0.034% | 80.261% |
| 777 | MOTOROLA SOLUTIONS INC COMMON STOCK USD.01 | | 7,675,008.64 | 0.034% | 80.295% |
| 778 | CARDINAL HEALTH INC COMMON STOCK | | 7,671,200.00 | 0.034% | 80.329% |
| 779 | DISH NETWORK CORP A COMMON STOCK USD.01 | | 7,660,920.85 | 0.034% | 80.363% |
| 780 | ARGO GROUP INTERNATIONAL COMMON STOCK USD1.0 | | 7,657,824.75 | 0.034% | 80.397% |
| 781 | SPECTRUM BRANDS HOLDINGS INC COMMON STOCK USD.01 | | 7,606,605.50 | 0.034% | 80.431% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 782 | WYNN RESORTS LTD COMMON STOCK USD.01 | | 7,603,805.16 | 0.034% | 80.465% |
| 783 | FNB CORP COMMON STOCK USD.01 | | 7,595,348.40 | 0.034% | 80.498% |
| 784 | VARIAN MEDICAL SYSTEMS INC COMMON STOCK USD1.0 | | 7,569,901.17 | 0.034% | 80.532% |
| 785 | J + J SNACK FOODS CORP COMMON STOCK | | 7,556,128.81 | 0.033% | 80.565% |
| 786 | MB FINANCIAL INC COMMON STOCK USD.01 | | 7,553,002.44 | 0.033% | 80.599% |
| 787 | TIMKEN CO COMMON STOCK | | 7,549,201.56 | 0.033% | 80.632% |
| 788 | OGE ENERGY CORP COMMON STOCK USD.01 | | 7,541,292.51 | 0.033% | 80.665% |
| 789 | ESTEE LAUDER COMPANIES CL A COMMON STOCK USD.01 | | 7,535,261.90 | 0.033% | 80.699% |
| 790 | HELMERICH + PAYNE COMMON STOCK USD.1 | | 7,527,299.10 | 0.033% | 80.732% |
| 791 | DAVE + BUSTER S ENTERTAINMEN COMMON STOCK USD.01 | | 7,491,961.92 | 0.033% | 80.765% |
| 792 | ATHENAHEALTH INC COMMON STOCK USD.01 | | 7,485,576.27 | 0.033% | 80.799% |
| 793 | TRANSUNION COMMON STOCK USD.01 | | 7,481,980.00 | 0.033% | 80.832% |
| 794 | AMERICAN ELECTRIC POWER COMMON STOCK USD6.5 | | 7,475,195.84 | 0.033% | 80.865% |
| 795 | RBC BEARINGS INC COMMON STOCK USD.01 | | 7,474,797.60 | 0.033% | 80.898% |
| 796 | PINNACLE FINANCIAL PARTNERS COMMON STOCK USD1.0 | | 7,474,700.10 | 0.033% | 80.931% |
| 797 | PNM RESOURCES INC COMMON STOCK | | 7,463,957.41 | 0.033% | 80.964% |
| 798 | AFFILIATED MANAGERS GROUP COMMON STOCK USD.01 | | 7,441,980.00 | 0.033% | 80.997% |
| 799 | NEWS CORP CLASS A COMMON STOCK USD.01 | | 7,422,979.45 | 0.033% | 81.030% |
| 800 | ACADIA HEALTHCARE CO INC COMMON STOCK USD.01 | | 7,420,368.78 | 0.033% | 81.063% |
| 801 | FLOWSERVE CORP COMMON STOCK USD1.25 | | 7,408,501.16 | 0.033% | 81.096% |
| 802 | BWX TECHNOLOGIES INC COMMON STOCK USD.01 | | 7,399,340.04 | 0.033% | 81.128% |
| 803 | AVANOS MEDICAL INC COMMON STOCK USD.01 | | 7,390,036.47 | 0.033% | 81.161% |
| 804 | UNITED BANKSHARES INC COMMON STOCK USD2.5 | | 7,388,811.66 | 0.033% | 81.194% |
| 805 | KBR INC COMMON STOCK USD.001 | | 7,384,629.78 | 0.033% | 81.227% |
| 806 | MANHATTAN ASSOCIATES INC COMMON STOCK USD.01 | | 7,382,040.36 | 0.033% | 81.259% |
| 807 | SIMMONS FIRST NATL CORP CL A COMMON STOCK USD.01 | | 7,379,919.20 | 0.033% | 81.292% |
| 808 | FIRST FINL BANKSHARES INC COMMON STOCK USD.01 | | 7,378,089.48 | 0.033% | 81.325% |
| 809 | INVESTORS BANCORP INC COMMON STOCK USD.01 | | 7,369,980.80 | 0.033% | 81.357% |
| 810 | B+G FOODS INC COMMON STOCK USD.01 | | 7,366,210.18 | 0.033% | 81.390% |
| 811 | BRUKER CORP COMMON STOCK USD.01 | | 7,352,505.29 | 0.033% | 81.423% |
| 812 | WESCO INTERNATIONAL INC COMMON STOCK USD.01 | | 7,339,536.00 | 0.033% | 81.455% |
| 813 | HERMAN MILLER INC COMMON STOCK USD.2 | | 7,325,249.25 | 0.032% | 81.487% |
| 814 | VIASAT INC COMMON STOCK USD.0001 | | 7,320,469.95 | 0.032% | 81.520% |
| 815 | SEMTECH CORP COMMON STOCK USD.01 | | 7,317,732.84 | 0.032% | 81.552% |
| 816 | DOMTAR CORP COMMON STOCK USD.01 | | 7,315,998.15 | 0.032% | 81.585% |
| 817 | HEICO CORP COMMON STOCK USD.01 | | 7,310,392.96 | 0.032% | 81.617% |
| 818 | NCR CORPORATION COMMON STOCK USD.01 | | 7,287,140.72 | 0.032% | 81.649% |
| 819 | TEXAS CAPITAL BANCSHARES INC COMMON STOCK USD.01 | | 7,286,711.25 | 0.032% | 81.682% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 820 | UNITED STATES STEEL CORP COMMON STOCK USD1.0 | | 7,281,134.40 | 0.032% | 81.714% |
| 821 | WERNER ENTERPRISES INC COMMON STOCK USD.01 | | 7,256,176.06 | 0.032% | 81.746% |
| 822 | LIBERTY MEDIA COR SIRIUSXM C TRACKING STK USD.01 | | 7,221,306.48 | 0.032% | 81.778% |
| 823 | COSTAR GROUP INC COMMON STOCK USD.01 | | 7,206,594.42 | 0.032% | 81.810% |
| 824 | MANPOWERGROUP INC COMMON STOCK USD.01 | | 7,205,436.00 | 0.032% | 81.842% |
| 825 | DYCOM INDUSTRIES INC COMMON STOCK USD.333 | | 7,201,586.56 | 0.032% | 81.874% |
| 826 | ATMOS ENERGY CORP COMMON STOCK | | 7,199,800.72 | 0.032% | 81.906% |
| 827 | AIR TRANSPORT SERVICES GROUP COMMON STOCK USD.01 | | 7,191,377.13 | 0.032% | 81.938% |
| 828 | ASBURY AUTOMOTIVE GROUP COMMON STOCK USD.01 | | 7,186,814.58 | 0.032% | 81.969% |
| 829 | FIRST MIDWEST BANCORP INC/IL COMMON STOCK USD.01 | | 7,173,834.92 | 0.032% | 82.001% |
| 830 | ORMAT TECHNOLOGIES INC COMMON STOCK USD.001 | | 7,163,426.40 | 0.032% | 82.033% |
| 831 | APPLIED INDUSTRIAL TECH INC COMMON STOCK | | 7,147,427.58 | 0.032% | 82.065% |
| 832 | GATX CORP COMMON STOCK USD.625 | | 7,143,737.66 | 0.032% | 82.096% |
| 833 | FORTINET INC COMMON STOCK USD.001 | | 7,143,714.90 | 0.032% | 82.128% |
| 834 | TENET HEALTHCARE CORP COMMON STOCK USD.05 | | 7,141,449.56 | 0.032% | 82.160% |
| 835 | ENTERGY CORP COMMON STOCK USD.01 | | 7,134,686.58 | 0.032% | 82.191% |
| 836 | CABOT MICROELECTRONICS CORP COMMON STOCK USD.001 | | 7,118,068.20 | 0.032% | 82.223% |
| 837 | UMB FINANCIAL CORP COMMON STOCK USD1.0 | | 7,108,614.24 | 0.031% | 82.254% |
| 838 | EDISON INTERNATIONAL COMMON STOCK | | 7,107,717.54 | 0.031% | 82.286% |
| 839 | KORN/FERRY INTERNATIONAL COMMON STOCK USD.01 | | 7,097,706.78 | 0.031% | 82.317% |
| 840 | NAVIGATORS GROUP INC COMMON STOCK USD.1 | | 7,090,898.58 | 0.031% | 82.348% |
| 841 | DILLARDS INC CL A COMMON STOCK | | 7,079,851.21 | 0.031% | 82.380% |
| 842 | GRAHAM HOLDINGS CO CLASS B COMMON STOCK USD1.0 | | 7,071,362.62 | 0.031% | 82.411% |
| 843 | VISHAY INTERTECHNOLOGY INC COMMON STOCK USD.1 | | 7,051,149.13 | 0.031% | 82.442% |
| 844 | TRINET GROUP INC COMMON STOCK USD.000025 | | 7,042,524.05 | 0.031% | 82.474% |
| 845 | BEACON ROOFING SUPPLY INC COMMON STOCK USD.01 | | 7,029,469.20 | 0.031% | 82.505% |
| 846 | HOME BANCSHARES INC COMMON STOCK USD.01 | | 7,027,883.02 | 0.031% | 82.536% |
| 847 | HAWAIIAN HOLDINGS INC COMMON STOCK USD.01 | | 7,015,922.14 | 0.031% | 82.567% |
| 848 | SIMPSON MANUFACTURING CO INC COMMON STOCK USD.01 | | 7,012,812.15 | 0.031% | 82.598% |
| 849 | CNX RESOURCES CORP COMMON STOCK USD.01 | | 7,010,760.84 | 0.031% | 82.629% |
| 850 | SINCLAIR BROADCAST GROUP A COMMON STOCK USD.01 | | 7,010,759.76 | 0.031% | 82.660% |
| 851 | GARTNER INC COMMON STOCK USD.0005 | | 7,009,083.68 | 0.031% | 82.691% |
| 852 | LITHIA MOTORS INC CL A COMMON STOCK | | 6,979,309.88 | 0.031% | 82.722% |
| 853 | CABOT OIL + GAS CORP COMMON STOCK USD.1 | | 6,973,892.85 | 0.031% | 82.753% |
| 854 | SUPERIOR ENERGY SERVICES INC COMMON STOCK USD.001 | | 6,968,552.75 | 0.031% | 82.784% |
| 855 | LCI INDUSTRIES COMMON STOCK USD.01 | | 6,961,562.00 | 0.031% | 82.815% |
| 856 | RALPH LAUREN CORP COMMON STOCK USD.01 | | 6,960,581.88 | 0.031% | 82.846% |
| 857 | CDK GLOBAL INC COMMON STOCK USD.01 | | 6,958,017.36 | 0.031% | 82.876% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 858 | CHART INDUSTRIES INC COMMON STOCK USD.01 | | 6,953,657.90 | 0.031% | 82.907% |
| 859 | AEROJET ROCKETDYNE HOLDINGS COMMON STOCK USD.1 | | 6,916,353.60 | 0.031% | 82.938% |
| 860 | BALCHEM CORP COMMON STOCK USD.0667 | | 6,902,948.40 | 0.031% | 82.968% |
| 861 | ABM INDUSTRIES INC COMMON STOCK USD.01 | | 6,899,090.38 | 0.031% | 82.999% |
| 862 | QUAKER CHEMICAL CORP COMMON STOCK USD1.0 | | 6,898,879.91 | 0.031% | 83.030% |
| 863 | RLI CORP COMMON STOCK USD1.0 | | 6,843,532.04 | 0.030% | 83.060% |
| 864 | WILEY (JOHN) + SONS CLASS A COMMON STOCK USD1.0 | | 6,834,557.73 | 0.030% | 83.090% |
| 865 | LIVERAMP HOLDINGS INC COMMON STOCK USD.1 | | 6,823,332.79 | 0.030% | 83.120% |
| 866 | WORTHINGTON INDUSTRIES COMMON STOCK | | 6,809,617.36 | 0.030% | 83.151% |
| 867 | KENNEDY WILSON HOLDINGS INC COMMON STOCK USD.0001 | | 6,790,637.76 | 0.030% | 83.181% |
| 868 | NORTHWESTERN CORP COMMON STOCK USD.01 | | 6,789,950.08 | 0.030% | 83.211% |
| 869 | WR GRACE + CO COMMON STOCK USD.01 | | 6,779,849.50 | 0.030% | 83.241% |
| 870 | EXPONENT INC COMMON STOCK USD.001 | | 6,772,421.92 | 0.030% | 83.271% |
| 871 | SIX FLAGS ENTERTAINMENT CORP COMMON STOCK | | 6,772,284.94 | 0.030% | 83.301% |
| 872 | AUTODESK INC COMMON STOCK USD.01 | | 6,771,187.89 | 0.030% | 83.331% |
| 873 | TRANSOCEAN LTD COMMON STOCK CHF.1 | | 6,754,028.82 | 0.030% | 83.361% |
| 874 | NEW JERSEY RESOURCES CORP COMMON STOCK USD2.5 | | 6,745,778.69 | 0.030% | 83.391% |
| 875 | MCDERMOTT INTL INC COMMON STOCK USD1.0 | | 6,740,124.00 | 0.030% | 83.420% |
| 876 | CIT GROUP INC COMMON STOCK USD.01 | | 6,735,596.54 | 0.030% | 83.450% |
| 877 | ONE GAS INC COMMON STOCK | | 6,733,921.20 | 0.030% | 83.480% |
| 878 | SEAWORLD ENTERTAINMENT INC COMMON STOCK USD.01 | | 6,722,715.97 | 0.030% | 83.510% |
| 879 | PORTLAND GENERAL ELECTRIC CO COMMON STOCK | | 6,717,987.85 | 0.030% | 83.540% |
| 880 | DELUXE CORP COMMON STOCK USD1.0 | | 6,713,276.92 | 0.030% | 83.569% |
| 881 | VISTEON CORP COMMON STOCK | | 6,707,657.00 | 0.030% | 83.599% |
| 882 | ASSOCIATED BANC CORP COMMON STOCK USD.01 | | 6,706,197.72 | 0.030% | 83.629% |
| 883 | FABRINET COMMON STOCK USD.01 | | 6,697,750.85 | 0.030% | 83.658% |
| 884 | DUN + BRADSTREET CORP COMMON STOCK USD.01 | | 6,690,509.28 | 0.030% | 83.688% |
| 885 | BIOMARIN PHARMACEUTICAL INC COMMON STOCK USD.001 | | 6,686,744.35 | 0.030% | 83.718% |
| 886 | ZYNGA INC CL A COMMON STOCK USD.00000625 | | 6,675,407.61 | 0.030% | 83.747% |
| 887 | CABOT CORP COMMON STOCK USD1.0 | | 6,672,918.94 | 0.030% | 83.777% |
| 888 | BIG LOTS INC COMMON STOCK USD.01 | | 6,655,851.24 | 0.029% | 83.806% |
| 889 | AMERICAN AIRLINES GROUP INC COMMON STOCK | | 6,643,880.10 | 0.029% | 83.836% |
| 890 | SOUTHWESTERN ENERGY CO COMMON STOCK USD.01 | | 6,626,918.98 | 0.029% | 83.865% |
| 891 | AMERICAN WATER WORKS CO INC COMMON STOCK USD.01 | | 6,625,574.61 | 0.029% | 83.894% |
| 892 | SIGNET JEWELERS LTD COMMON STOCK USD.18 | | 6,595,197.84 | 0.029% | 83.924% |
| 893 | AMC NETWORKS INC A COMMON STOCK | | 6,594,600.32 | 0.029% | 83.953% |
| 894 | ENSIGN GROUP INC/THE COMMON STOCK USD.001 | | 6,564,198.96 | 0.029% | 83.982% |
| 895 | PUBLIC SERVICE ENTERPRISE GP COMMON STOCK | | 6,563,661.15 | 0.029% | 84.011% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 896 | AMERICAN EQUITY INVT LIFE HL COMMON STOCK USD1.0 | | 6,538,099.70 | 0.029% | 84.040% |
| 897 | ALTICE USA INC A COMMON STOCK USD.01 | | 6,536,617.08 | 0.029% | 84.069% |
| 898 | CATHAY GENERAL BANCORP COMMON STOCK USD.01 | | 6,526,446.85 | 0.029% | 84.098% |
| 899 | PROASSURANCE CORP COMMON STOCK USD.01 | | 6,514,179.36 | 0.029% | 84.127% |
| 900 | NATIONAL GENERAL HLDGS COMMON STOCK USD.01 | | 6,506,921.70 | 0.029% | 84.156% |
| 901 | BANCORPSOUTH BANK COMMON STOCK | | 6,506,742.66 | 0.029% | 84.184% |
| 902 | EDGEWELL PERSONAL CARE CO COMMON STOCK USD.01 | | 6,506,145.90 | 0.029% | 84.213% |
| 903 | TECHNIPFMC PLC COMMON STOCK USD1.0 | | 6,502,811.70 | 0.029% | 84.242% |
| 904 | COPA HOLDINGS SA CLASS A COMMON STOCK | | 6,486,333.68 | 0.029% | 84.271% |
| 905 | NEW YORK COMMUNITY BANCORP COMMON STOCK USD.01 | | 6,479,641.31 | 0.029% | 84.299% |
| 906 | VALMONT INDUSTRIES COMMON STOCK USD1.0 | | 6,477,926.70 | 0.029% | 84.328% |
| 907 | NISOURCE INC COMMON STOCK USD.01 | | 6,472,716.90 | 0.029% | 84.357% |
| 908 | NOVANTA INC COMMON STOCK | | 6,470,415.00 | 0.029% | 84.385% |
| 909 | ABERCROMBIE + FITCH CO CL A COMMON STOCK USD.01 | | 6,466,806.70 | 0.029% | 84.414% |
| 910 | VECTREN CORP COMMON STOCK | | 6,461,140.74 | 0.029% | 84.443% |
| 911 | FIRST BANCORP PUERTO RICO COMMON STOCK USD.1 | | 6,451,969.40 | 0.029% | 84.471% |
| 912 | BANK OZK COMMON STOCK | | 6,450,730.65 | 0.029% | 84.500% |
| 913 | MEDNAX INC COMMON STOCK USD.01 | | 6,438,201.00 | 0.029% | 84.528% |
| 914 | AMEREN CORPORATION COMMON STOCK USD.01 | | 6,435,265.65 | 0.029% | 84.557% |
| 915 | PACWEST BANCORP COMMON STOCK | | 6,427,699.20 | 0.028% | 84.585% |
| 916 | SEMPRA ENERGY COMMON STOCK | | 6,403,116.96 | 0.028% | 84.614% |
| 917 | IDACORP INC COMMON STOCK | | 6,400,573.74 | 0.028% | 84.642% |
| 918 | CAPITOL FEDERAL FINANCIAL IN COMMON STOCK USD.01 | | 6,396,927.18 | 0.028% | 84.670% |
| 919 | COTY INC CL A COMMON STOCK USD.01 | | 6,389,604.00 | 0.028% | 84.699% |
| 920 | SEALED AIR CORP COMMON STOCK USD.1 | | 6,382,722.84 | 0.028% | 84.727% |
| 921 | CIMPRESS NV COMMON STOCK USD.001 | | 6,354,745.32 | 0.028% | 84.755% |
| 922 | WESBANCO INC COMMON STOCK USD2.0833 | | 6,319,302.15 | 0.028% | 84.783% |
| 923 | TRUSTMARK CORP COMMON STOCK | | 6,315,724.50 | 0.028% | 84.811% |
| 924 | CIRRUS LOGIC INC COMMON STOCK USD.001 | | 6,307,617.54 | 0.028% | 84.839% |
| 925 | ALLETE INC COMMON STOCK | | 6,297,601.28 | 0.028% | 84.867% |
| 926 | AVIS BUDGET GROUP INC COMMON STOCK USD.01 | | 6,272,639.36 | 0.028% | 84.895% |
| 927 | DSW INC CLASS A COMMON STOCK | | 6,265,698.40 | 0.028% | 84.923% |
| 928 | MERIT MEDICAL SYSTEMS INC COMMON STOCK | | 6,247,036.54 | 0.028% | 84.950% |
| 929 | NORTHWEST BANCSHARES INC COMMON STOCK USD.01 | | 6,237,663.74 | 0.028% | 84.978% |
| 930 | TRI POINTE GROUP INC COMMON STOCK USD.01 | | 6,222,973.64 | 0.028% | 85.005% |
| 931 | DEAN FOODS CO COMMON STOCK USD.01 | | 6,212,010.69 | 0.028% | 85.033% |
| 932 | WD 40 CO COMMON STOCK USD.001 | | 6,169,997.68 | 0.027% | 85.060% |
| 933 | ALLEGHENY TECHNOLOGIES INC COMMON STOCK USD.1 | | 6,167,876.40 | 0.027% | 85.088% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 934 | COHERENT INC COMMON STOCK USD.01 | | 6,151,159.19 | 0.027% | 85.115% |
| 935 | SYMANTEC CORP COMMON STOCK USD.01 | | 6,142,311.02 | 0.027% | 85.142% |
| 936 | UNION BANKSHARES CORP COMMON STOCK USD1.33 | | 6,127,744.95 | 0.027% | 85.169% |
| 937 | VERINT SYSTEMS INC COMMON STOCK USD.001 | | 6,111,594.88 | 0.027% | 85.196% |
| 938 | L BRANDS INC COMMON STOCK USD.5 | | 6,104,120.64 | 0.027% | 85.223% |
| 939 | DISCOVERY INC A COMMON STOCK USD.01 | | 6,097,766.76 | 0.027% | 85.250% |
| 940 | ESSENT GROUP LTD COMMON STOCK USD.015 | | 6,097,028.40 | 0.027% | 85.277% |
| 941 | FLUOR CORP COMMON STOCK USD.01 | | 6,094,526.20 | 0.027% | 85.304% |
| 942 | H.B. FULLER CO. COMMON STOCK USD1.0 | | 6,079,450.92 | 0.027% | 85.331% |
| 943 | VALVOLINE INC COMMON STOCK USD.01 | | 6,069,998.25 | 0.027% | 85.358% |
| 944 | AQUA AMERICA INC COMMON STOCK USD.5 | | 6,068,827.57 | 0.027% | 85.385% |
| 945 | ANIXTER INTERNATIONAL INC COMMON STOCK USD1.0 | | 6,059,312.39 | 0.027% | 85.412% |
| 946 | COMMSCOPE HOLDING CO INC COMMON STOCK USD.01 | | 6,045,107.31 | 0.027% | 85.439% |
| 947 | BANNER CORPORATION COMMON STOCK USD.01 | | 6,036,394.56 | 0.027% | 85.465% |
| 948 | CENTERSTATE BANK CORP COMMON STOCK USD.01 | | 6,022,510.64 | 0.027% | 85.492% |
| 949 | HEARTLAND EXPRESS INC COMMON STOCK USD.01 | | 6,018,375.90 | 0.027% | 85.519% |
| 950 | PERRIGO CO PLC COMMON STOCK EUR.001 | | 5,996,136.25 | 0.027% | 85.545% |
| 951 | SILICON LABORATORIES INC COMMON STOCK USD.0001 | | 5,986,801.65 | 0.027% | 85.572% |
| 952 | HMS HOLDINGS CORP COMMON STOCK USD.01 | | 5,982,969.70 | 0.027% | 85.598% |
| 953 | DRIL QUIP INC COMMON STOCK USD.01 | | 5,975,729.76 | 0.026% | 85.625% |
| 954 | VERSUM MATERIALS INC COMMON STOCK USD1.0 | | 5,975,572.68 | 0.026% | 85.651% |
| 955 | SPRINT CORP COMMON STOCK USD.01 | | 5,971,645.92 | 0.026% | 85.678% |
| 956 | CHEMICAL FINANCIAL CORP COMMON STOCK USD1.0 | | 5,962,231.38 | 0.026% | 85.704% |
| 957 | SM ENERGY CO COMMON STOCK USD.01 | | 5,947,369.56 | 0.026% | 85.730% |
| 958 | BELDEN INC COMMON STOCK USD.01 | | 5,944,581.09 | 0.026% | 85.757% |
| 959 | MINERALS TECHNOLOGIES INC COMMON STOCK USD.1 | | 5,935,622.76 | 0.026% | 85.783% |
| 960 | WORLD WRESTLING ENTERTAIN A COMMON STOCK USD.01 | | 5,933,365.76 | 0.026% | 85.809% |
| 961 | PATTERSON COS INC COMMON STOCK USD.01 | | 5,914,828.96 | 0.026% | 85.836% |
| 962 | GODADDY INC CLASS A COMMON STOCK USD.001 | | 5,908,949.76 | 0.026% | 85.862% |
| 963 | CANTEL MEDICAL CORP COMMON STOCK USD.1 | | 5,894,876.55 | 0.026% | 85.888% |
| 964 | PDC ENERGY INC COMMON STOCK USD.01 | | 5,890,813.44 | 0.026% | 85.914% |
| 965 | FIRST MERCHANTS CORP COMMON STOCK | | 5,883,850.57 | 0.026% | 85.940% |
| 966 | UNIVERSAL INSURANCE HOLDINGS COMMON STOCK USD.01 | | 5,861,825.28 | 0.026% | 85.966% |
| 967 | VONAGE HOLDINGS CORP COMMON STOCK USD.001 | | 5,861,025.18 | 0.026% | 85.992% |
| 968 | HNI CORP COMMON STOCK USD1.0 | | 5,860,157.43 | 0.026% | 86.018% |
| 969 | GUESS? INC COMMON STOCK USD.01 | | 5,859,362.39 | 0.026% | 86.044% |
| 970 | EXELIXIS INC COMMON STOCK USD.001 | | 5,853,142.89 | 0.026% | 86.070% |
| 971 | BAKER HUGHES A GE CO COMMON STOCK USD.0001 | | 5,848,537.50 | 0.026% | 86.096% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 972 | BRADY CORPORATION CL A COMMON STOCK USD.01 | | 5,834,852.68 | 0.026% | 86.122% |
| 973 | SOTHEBY S COMMON STOCK USD.01 | | 5,801,563.12 | 0.026% | 86.147% |
| 974 | IRIDIUM COMMUNICATIONS INC COMMON STOCK USD.001 | | 5,796,860.85 | 0.026% | 86.173% |
| 975 | STEPAN CO COMMON STOCK USD1.0 | | 5,791,684.00 | 0.026% | 86.199% |
| 976 | STIFEL FINANCIAL CORP COMMON STOCK USD.15 | | 5,762,019.04 | 0.026% | 86.224% |
| 977 | HOPE BANCORP INC COMMON STOCK USD.001 | | 5,754,199.22 | 0.025% | 86.250% |
| 978 | ENERGIZER HOLDINGS INC COMMON STOCK | | 5,746,014.75 | 0.025% | 86.275% |
| 979 | CENTERPOINT ENERGY INC COMMON STOCK USD.01 | | 5,732,383.80 | 0.025% | 86.300% |
| 980 | RENASANT CORP COMMON STOCK USD5.0 | | 5,728,646.88 | 0.025% | 86.326% |
| 981 | CNA FINANCIAL CORP COMMON STOCK USD2.5 | | 5,725,857.65 | 0.025% | 86.351% |
| 982 | WALKER + DUNLOP INC COMMON STOCK | | 5,717,260.75 | 0.025% | 86.377% |
| 983 | REALOGY HOLDINGS CORP COMMON STOCK USD.01 | | 5,704,809.48 | 0.025% | 86.402% |
| 984 | NETSCOUT SYSTEMS INC COMMON STOCK USD.001 | | 5,700,335.79 | 0.025% | 86.427% |
| 985 | MEREDITH CORP COMMON STOCK USD1.0 | | 5,694,493.84 | 0.025% | 86.452% |
| 986 | INTEGER HOLDINGS CORP COMMON STOCK USD.001 | | 5,687,089.50 | 0.025% | 86.478% |
| 987 | COMMERCIAL METALS CO COMMON STOCK USD.01 | | 5,685,786.36 | 0.025% | 86.503% |
| 988 | MUELLER WATER PRODUCTS INC A COMMON STOCK USD.01 | | 5,681,694.20 | 0.025% | 86.528% |
| 989 | SANMINA CORP COMMON STOCK USD.01 | | 5,681,287.80 | 0.025% | 86.553% |
| 990 | PROGRESS SOFTWARE CORP COMMON STOCK USD.01 | | 5,661,826.17 | 0.025% | 86.578% |
| 991 | STAMPS.COM INC COMMON STOCK USD.001 | | 5,659,226.04 | 0.025% | 86.603% |
| 992 | CALIFORNIA WATER SERVICE GRP COMMON STOCK USD.01 | | 5,652,285.36 | 0.025% | 86.628% |
| 993 | IROBOT CORP COMMON STOCK USD.01 | | 5,648,849.18 | 0.025% | 86.653% |
| 994 | SOUTHWEST GAS HOLDINGS INC COMMON STOCK USD1.0 | | 5,644,399.50 | 0.025% | 86.678% |
| 995 | MYRIAD GENETICS INC COMMON STOCK USD.01 | | 5,633,766.00 | 0.025% | 86.703% |
| 996 | CMS ENERGY CORP COMMON STOCK USD.01 | | 5,629,714.20 | 0.025% | 86.728% |
| 997 | ALLSCRIPTS HEALTHCARE SOLUTI COMMON STOCK USD.01 | | 5,607,453.04 | 0.025% | 86.753% |
| 998 | FORWARD AIR CORP COMMON STOCK USD.01 | | 5,604,792.40 | 0.025% | 86.778% |
| 999 | HASBRO INC COMMON STOCK USD.5 | | 5,600,968.75 | 0.025% | 86.803% |
| 1000 | GREAT WESTERN BANCORP INC COMMON STOCK USD.01 | | 5,596,187.50 | 0.025% | 86.827% |
| 1001 | BANK OF N.T. BUTTERFIELD+SON COMMON STOCK BMD1.0 | | 5,591,554.65 | 0.025% | 86.852% |
| 1002 | ALBANY INTL CORP CL A COMMON STOCK USD.001 | | 5,589,357.90 | 0.025% | 86.877% |
| 1003 | INTER PARFUMS INC COMMON STOCK USD.001 | | 5,587,154.13 | 0.025% | 86.902% |
| 1004 | GRANITE CONSTRUCTION INC COMMON STOCK USD.01 | | 5,574,228.36 | 0.025% | 86.926% |
| 1005 | CENTENNIAL RESOURCE DEVELO A COMMON STOCK USD.0001 | | 5,573,177.66 | 0.025% | 86.951% |
| 1006 | TOWNE BANK COMMON STOCK USD1.667 | | 5,557,765.15 | 0.025% | 86.976% |
| 1007 | FRANKLIN ELECTRIC CO INC COMMON STOCK USD.1 | | 5,556,476.16 | 0.025% | 87.000% |
| 1008 | CHEMOURS CO/THE COMMON STOCK | | 5,553,300.92 | 0.025% | 87.025% |
| 1009 | UNITED COMMUNITY BANKS/GA COMMON STOCK USD1.0 | | 5,549,148.26 | 0.025% | 87.050% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1010 | HFF INC CLASS A COMMON STOCK USD.01 | | 5,547,104.28 | 0.025% | 87.074% |
| 1011 | ADVANCED ENERGY INDUSTRIES COMMON STOCK USD.001 | | 5,544,108.99 | 0.025% | 87.099% |
| 1012 | EAGLE BANCORP INC COMMON STOCK USD.01 | | 5,540,031.85 | 0.025% | 87.123% |
| 1013 | CARPENTER TECHNOLOGY COMMON STOCK USD5.0 | | 5,503,703.55 | 0.024% | 87.148% |
| 1014 | SLEEP NUMBER CORP COMMON STOCK USD.01 | | 5,502,838.71 | 0.024% | 87.172% |
| 1015 | MATSON INC COMMON STOCK | | 5,502,316.80 | 0.024% | 87.196% |
| 1016 | AMERICAN NATIONAL INSURANCE COMMON STOCK USD1.0 | | 5,500,203.48 | 0.024% | 87.221% |
| 1017 | BIOTELEMETRY INC COMMON STOCK USD.001 | | 5,491,612.32 | 0.024% | 87.245% |
| 1018 | MATADOR RESOURCES CO COMMON STOCK USD.01 | | 5,487,075.13 | 0.024% | 87.269% |
| 1019 | TEREX CORP COMMON STOCK USD.01 | | 5,473,416.96 | 0.024% | 87.294% |
| 1020 | TEMPUR SEALY INTERNATIONAL I COMMON STOCK USD.01 | | 5,460,328.80 | 0.024% | 87.318% |
| 1021 | PROVIDENT FINANCIAL SERVICES COMMON STOCK USD.01 | | 5,445,899.70 | 0.024% | 87.342% |
| 1022 | MERITOR INC COMMON STOCK USD1.0 | | 5,429,733.36 | 0.024% | 87.366% |
| 1023 | ENSTAR GROUP LTD COMMON STOCK USD1.0 | | 5,426,754.45 | 0.024% | 87.390% |
| 1024 | DIODES INC COMMON STOCK USD.667 | | 5,426,551.38 | 0.024% | 87.414% |
| 1025 | CAMBREX CORP COMMON STOCK USD.1 | | 5,422,789.12 | 0.024% | 87.438% |
| 1026 | PLEXUS CORP COMMON STOCK USD.01 | | 5,410,138.20 | 0.024% | 87.462% |
| 1027 | COMFORT SYSTEMS USA INC COMMON STOCK USD.01 | | 5,402,997.60 | 0.024% | 87.486% |
| 1028 | MDC HOLDINGS INC COMMON STOCK USD.01 | | 5,398,947.15 | 0.024% | 87.510% |
| 1029 | VEEVA SYSTEMS INC CLASS A COMMON STOCK USD.00001 | | 5,391,623.16 | 0.024% | 87.534% |
| 1030 | ENDO INTERNATIONAL PLC COMMON STOCK USD.0001 | | 5,379,034.20 | 0.024% | 87.558% |
| 1031 | HILLTOP HOLDINGS INC COMMON STOCK USD.01 | | 5,370,538.64 | 0.024% | 87.581% |
| 1032 | CNO FINANCIAL GROUP INC COMMON STOCK USD.01 | | 5,369,834.88 | 0.024% | 87.605% |
| 1033 | INDEPENDENT BANK CORP/MA COMMON STOCK USD.01 | | 5,366,973.23 | 0.024% | 87.629% |
| 1034 | COLFAX CORP COMMON STOCK USD.001 | | 5,366,576.60 | 0.024% | 87.653% |
| 1035 | VALLEY NATIONAL BANCORP COMMON STOCK | | 5,356,336.08 | 0.024% | 87.676% |
| 1036 | LAMB WESTON HOLDINGS INC COMMON STOCK USD1.0 | | 5,354,285.28 | 0.024% | 87.700% |
| 1037 | TOPBUILD CORP COMMON STOCK | | 5,349,780.00 | 0.024% | 87.724% |
| 1038 | COCA COLA CONSOLIDATED INC COMMON STOCK USD1.0 | | 5,337,718.96 | 0.024% | 87.747% |
| 1039 | ALLEGiant TRAVEL CO COMMON STOCK USD.001 | | 5,317,973.86 | 0.024% | 87.771% |
| 1040 | TYLER TECHNOLOGIES INC COMMON STOCK USD.01 | | 5,316,310.20 | 0.024% | 87.795% |
| 1041 | JOHN BEAN TECHNOLOGIES CORP COMMON STOCK USD.01 | | 5,309,056.92 | 0.024% | 87.818% |
| 1042 | PACIFIC PREMIER BANCORP INC COMMON STOCK USD.01 | | 5,306,884.00 | 0.024% | 87.842% |
| 1043 | TFS FINANCIAL CORP COMMON STOCK USD.01 | | 5,294,204.73 | 0.023% | 87.865% |
| 1044 | EVOLent HEALTH INC A COMMON STOCK USD.01 | | 5,292,156.45 | 0.023% | 87.889% |
| 1045 | CARS.COM INC COMMON STOCK USD.01 | | 5,283,453.00 | 0.023% | 87.912% |
| 1046 | PRESTIGE CONSUMER HEALTHCARE COMMON STOCK USD.01 | | 5,280,202.08 | 0.023% | 87.935% |
| 1047 | UNIVERSAL FOREST PRODUCTS COMMON STOCK | | 5,279,822.68 | 0.023% | 87.959% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1048 | NELNET INC CL A COMMON STOCK USD.01 | | 5,278,017.94 | 0.023% | 87.982% |
| 1049 | GCP APPLIED TECHNOLOGIES COMMON STOCK USD.01 | | 5,277,268.00 | 0.023% | 88.005% |
| 1050 | SPIRE INC COMMON STOCK USD1.0 | | 5,265,161.92 | 0.023% | 88.029% |
| 1051 | NETGEAR INC COMMON STOCK USD.001 | | 5,262,470.29 | 0.023% | 88.052% |
| 1052 | OMNICELL INC COMMON STOCK USD.001 | | 5,260,577.24 | 0.023% | 88.075% |
| 1053 | II VI INC COMMON STOCK | | 5,247,061.62 | 0.023% | 88.099% |
| 1054 | HARSCO CORP COMMON STOCK USD1.25 | | 5,245,860.12 | 0.023% | 88.122% |
| 1055 | HANESBRANDS INC COMMON STOCK USD.01 | | 5,234,319.79 | 0.023% | 88.145% |
| 1056 | SOUTH STATE CORP COMMON STOCK USD2.5 | | 5,234,234.50 | 0.023% | 88.168% |
| 1057 | WADDELL + REED FINANCIAL A COMMON STOCK USD.01 | | 5,232,984.80 | 0.023% | 88.191% |
| 1058 | NEOGEN CORP COMMON STOCK USD.16 | | 5,205,012.00 | 0.023% | 88.215% |
| 1059 | ENSCO PLC CL A COMMON STOCK USD.1 | | 5,203,869.16 | 0.023% | 88.238% |
| 1060 | HYATT HOTELS CORP CL A COMMON STOCK USD.01 | | 5,199,454.00 | 0.023% | 88.261% |
| 1061 | SOUTH JERSEY INDUSTRIES COMMON STOCK USD1.25 | | 5,197,015.40 | 0.023% | 88.284% |
| 1062 | CAL MAINE FOODS INC COMMON STOCK USD.01 | | 5,194,482.30 | 0.023% | 88.307% |
| 1063 | N B T BANCORP INC COMMON STOCK USD.01 | | 5,171,620.08 | 0.023% | 88.330% |
| 1064 | CROCS INC COMMON STOCK USD.001 | | 5,171,111.16 | 0.023% | 88.352% |
| 1065 | WYNDHAM DESTINATIONS INC COMMON STOCK USD.01 | | 5,170,851.84 | 0.023% | 88.375% |
| 1066 | AMKOR TECHNOLOGY INC COMMON STOCK USD.001 | | 5,170,290.24 | 0.023% | 88.398% |
| 1067 | LEGACYTEXAS FINANCIAL GROUP COMMON STOCK USD.01 | | 5,166,586.27 | 0.023% | 88.421% |
| 1068 | AXOS FINANCIAL INC COMMON STOCK USD.01 | | 5,159,558.26 | 0.023% | 88.444% |
| 1069 | JANUS HENDERSON GROUP PLC COMMON STOCK | | 5,154,224.32 | 0.023% | 88.467% |
| 1070 | BED BATH + BEYOND INC COMMON STOCK USD.01 | | 5,149,807.60 | 0.023% | 88.490% |
| 1071 | PATTERSON UTI ENERGY INC COMMON STOCK USD.01 | | 5,139,789.30 | 0.023% | 88.512% |
| 1072 | KAMAN CORP COMMON STOCK USD1.0 | | 5,138,348.81 | 0.023% | 88.535% |
| 1073 | COGENT COMMUNICATIONS HOLDIN COMMON STOCK USD.001 | | 5,118,947.46 | 0.023% | 88.558% |
| 1074 | BROOKS AUTOMATION INC COMMON STOCK USD.01 | | 5,115,414.92 | 0.023% | 88.581% |
| 1075 | PROTO LABS INC COMMON STOCK USD.001 | | 5,084,347.62 | 0.023% | 88.603% |
| 1076 | REPLIGEN CORP COMMON STOCK USD.01 | | 5,061,721.50 | 0.022% | 88.625% |
| 1077 | GENTHERM INC COMMON STOCK | | 5,061,627.92 | 0.022% | 88.648% |
| 1078 | MEDPACE HOLDINGS INC COMMON STOCK USD.01 | | 5,059,896.28 | 0.022% | 88.670% |
| 1079 | CVR ENERGY INC COMMON STOCK USD.01 | | 5,052,354.40 | 0.022% | 88.693% |
| 1080 | WINGSTOP INC COMMON STOCK USD.01 | | 5,048,479.31 | 0.022% | 88.715% |
| 1081 | HEARTLAND FINANCIAL USA INC COMMON STOCK USD1.0 | | 5,041,460.55 | 0.022% | 88.737% |
| 1082 | AMERICAN STATES WATER CO COMMON STOCK | | 5,037,117.44 | 0.022% | 88.760% |
| 1083 | MERCURY SYSTEMS INC COMMON STOCK USD.01 | | 5,034,871.72 | 0.022% | 88.782% |
| 1084 | MONOLITHIC POWER SYSTEMS INC COMMON STOCK USD.001 | | 5,029,556.25 | 0.022% | 88.804% |
| 1085 | MANTECH INTERNATIONAL CORP A COMMON STOCK USD.01 | | 5,009,442.64 | 0.022% | 88.826% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1086 | OASIS PETROLEUM INC COMMON STOCK USD.01 | | 4,996,858.23 | 0.022% | 88.849% |
| 1087 | VIAVI SOLUTIONS INC COMMON STOCK USD.001 | | 4,992,216.90 | 0.022% | 88.871% |
| 1088 | CHOICE HOTELS INTL INC COMMON STOCK USD.01 | | 4,990,199.70 | 0.022% | 88.893% |
| 1089 | FLAGSTAR BANCORP INC COMMON STOCK USD.01 | | 4,981,838.40 | 0.022% | 88.915% |
| 1090 | UNDER ARMOUR INC CLASS C COMMON STOCK USD.000333 | | 4,980,796.59 | 0.022% | 88.937% |
| 1091 | BLACKBAUD INC COMMON STOCK USD.001 | | 4,975,767.40 | 0.022% | 88.959% |
| 1092 | AMERIS BANCORP COMMON STOCK USD1.0 | | 4,972,221.67 | 0.022% | 88.981% |
| 1093 | AAON INC COMMON STOCK USD.004 | | 4,972,174.14 | 0.022% | 89.003% |
| 1094 | WORLD FUEL SERVICES CORP COMMON STOCK USD.01 | | 4,970,095.99 | 0.022% | 89.025% |
| 1095 | RED ROBIN GOURMET BURGERS COMMON STOCK USD.001 | | 4,966,606.72 | 0.022% | 89.047% |
| 1096 | TARO PHARMACEUTICAL INDUS COMMON STOCK ILS.0001 | | 4,963,882.08 | 0.022% | 89.069% |
| 1097 | NATIONAL BEVERAGE CORP COMMON STOCK USD.01 | | 4,963,828.51 | 0.022% | 89.091% |
| 1098 | EXLSERVICE HOLDINGS INC COMMON STOCK USD.001 | | 4,959,066.66 | 0.022% | 89.113% |
| 1099 | CONMED CORP COMMON STOCK USD.01 | | 4,938,392.40 | 0.022% | 89.135% |
| 1100 | SAIA INC COMMON STOCK USD.001 | | 4,930,413.14 | 0.022% | 89.157% |
| 1101 | PHOTRONICS INC COMMON STOCK USD.01 | | 4,924,235.36 | 0.022% | 89.179% |
| 1102 | FERRO CORP COMMON STOCK USD1.0 | | 4,919,647.04 | 0.022% | 89.200% |
| 1103 | MGE ENERGY INC COMMON STOCK USD1.0 | | 4,915,940.52 | 0.022% | 89.222% |
| 1104 | OTTER TAIL CORP COMMON STOCK USD5.0 | | 4,914,707.48 | 0.022% | 89.244% |
| 1105 | TAYLOR MORRISON HOME CORP A COMMON STOCK USD.00001 | | 4,888,534.50 | 0.022% | 89.266% |
| 1106 | UNIFIRST CORP/MA COMMON STOCK USD.1 | | 4,875,682.53 | 0.022% | 89.287% |
| 1107 | PARSLEY ENERGY INC CLASS A COMMON STOCK USD.01 | | 4,871,566.92 | 0.022% | 89.309% |
| 1108 | AVISTA CORP COMMON STOCK | | 4,864,554.72 | 0.022% | 89.330% |
| 1109 | COMPASS MINERALS INTERNATION COMMON STOCK USD.01 | | 4,864,430.89 | 0.022% | 89.352% |
| 1110 | MAGELLAN HEALTH INC COMMON STOCK USD.01 | | 4,859,828.25 | 0.022% | 89.373% |
| 1111 | CHICO S FAS INC COMMON STOCK USD.01 | | 4,856,376.88 | 0.022% | 89.395% |
| 1112 | TENNECO INC CLASS A COMMON STOCK USD.01 | | 4,846,715.28 | 0.021% | 89.416% |
| 1113 | ONEMAIN HOLDINGS INC COMMON STOCK USD.01 | | 4,841,871.44 | 0.021% | 89.438% |
| 1114 | CALLON PETROLEUM CO COMMON STOCK USD.01 | | 4,834,368.55 | 0.021% | 89.459% |
| 1115 | RANGE RESOURCES CORP COMMON STOCK USD.01 | | 4,831,213.53 | 0.021% | 89.481% |
| 1116 | MERITAGE HOMES CORP COMMON STOCK USD.01 | | 4,828,129.20 | 0.021% | 89.502% |
| 1117 | MCGRATH RENTCORP COMMON STOCK | | 4,825,786.68 | 0.021% | 89.523% |
| 1118 | ATLANTICA YIELD PLC COMMON STOCK | | 4,813,662.00 | 0.021% | 89.545% |
| 1119 | STATE AUTO FINANCIAL CORP COMMON STOCK | | 4,813,494.28 | 0.021% | 89.566% |
| 1120 | TRINSEO SA COMMON STOCK USD.01 | | 4,804,015.86 | 0.021% | 89.587% |
| 1121 | ANTERO RESOURCES CORP COMMON STOCK USD.01 | | 4,801,520.16 | 0.021% | 89.609% |
| 1122 | BGC PARTNERS INC CL A COMMON STOCK USD.01 | | 4,799,300.66 | 0.021% | 89.630% |
| 1123 | FCB FINANCIAL HOLDINGS CL A COMMON STOCK USD.001 | | 4,786,190.98 | 0.021% | 89.651% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 1124 | SALLY BEAUTY HOLDINGS INC COMMON STOCK USD.01 | | 4,779,234.35 | 0.021% | 89.672% |
| 1125 | NATIONAL FUEL GAS CO COMMON STOCK USD1.0 | | 4,770,180.72 | 0.021% | 89.693% |
| 1126 | GUIDEWIRE SOFTWARE INC COMMON STOCK USD.0001 | | 4,765,662.00 | 0.021% | 89.714% |
| 1127 | PEGASYSTEMS INC COMMON STOCK USD.01 | | 4,765,063.75 | 0.021% | 89.736% |
| 1128 | EMPLOYERS HOLDINGS INC COMMON STOCK USD.01 | | 4,760,489.22 | 0.021% | 89.757% |
| 1129 | G III APPAREL GROUP LTD COMMON STOCK USD.01 | | 4,748,411.95 | 0.021% | 89.778% |
| 1130 | WATTS WATER TECHNOLOGIES A COMMON STOCK USD.1 | | 4,742,632.35 | 0.021% | 89.799% |
| 1131 | ESCO TECHNOLOGIES INC COMMON STOCK USD.01 | | 4,741,343.35 | 0.021% | 89.820% |
| 1132 | BADGER METER INC COMMON STOCK USD1.0 | | 4,740,005.62 | 0.021% | 89.841% |
| 1133 | ALLIANT ENERGY CORP COMMON STOCK USD.01 | | 4,726,634.25 | 0.021% | 89.862% |
| 1134 | ECHOSTAR CORP A COMMON STOCK USD.001 | | 4,726,524.96 | 0.021% | 89.883% |
| 1135 | ROGERS CORP COMMON STOCK USD1.0 | | 4,723,477.98 | 0.021% | 89.904% |
| 1136 | JACK IN THE BOX INC COMMON STOCK USD.01 | | 4,723,319.72 | 0.021% | 89.924% |
| 1137 | SOLAREGE TECHNOLOGIES INC COMMON STOCK USD.0001 | | 4,716,562.50 | 0.021% | 89.945% |
| 1138 | PRICESMART INC COMMON STOCK USD.0001 | | 4,713,816.00 | 0.021% | 89.966% |
| 1139 | CUBIC CORP COMMON STOCK | | 4,709,397.42 | 0.021% | 89.987% |
| 1140 | ITRON INC COMMON STOCK | | 4,690,742.39 | 0.021% | 90.008% |
| 1141 | EL PASO ELECTRIC CO COMMON STOCK | | 4,677,730.56 | 0.021% | 90.029% |
| 1142 | CADENCE BANCORP COMMON STOCK | | 4,672,323.88 | 0.021% | 90.049% |
| 1143 | SUPERNUS PHARMACEUTICALS INC COMMON STOCK USD.001 | | 4,645,418.36 | 0.021% | 90.070% |
| 1144 | LIGAND PHARMACEUTICALS COMMON STOCK USD.001 | | 4,643,789.70 | 0.021% | 90.090% |
| 1145 | UNITED FIRE GROUP INC COMMON STOCK USD.001 | | 4,624,918.15 | 0.020% | 90.111% |
| 1146 | CLEVELAND CLIFFS INC COMMON STOCK USD.125 | | 4,614,968.94 | 0.020% | 90.131% |
| 1147 | DELL TECHNOLOGIES C COMMON STOCK | | 4,612,350.60 | 0.020% | 90.152% |
| 1148 | CORE LABORATORIES N.V. COMMON STOCK EUR.02 | | 4,610,166.84 | 0.020% | 90.172% |
| 1149 | MOBILE MINI INC COMMON STOCK USD.01 | | 4,606,290.00 | 0.020% | 90.193% |
| 1150 | KULICKE + SOFFA INDUSTRIES COMMON STOCK | | 4,590,648.25 | 0.020% | 90.213% |
| 1151 | S + T BANCORP INC COMMON STOCK USD2.5 | | 4,589,159.52 | 0.020% | 90.233% |
| 1152 | FEDERAL SIGNAL CORP COMMON STOCK USD1.0 | | 4,585,576.90 | 0.020% | 90.254% |
| 1153 | INDEPENDENT BANK GROUP INC COMMON STOCK USD.01 | | 4,568,029.08 | 0.020% | 90.274% |
| 1154 | MALLINCKRODT PLC COMMON STOCK USD.2 | | 4,522,244.40 | 0.020% | 90.294% |
| 1155 | SAFETY INSURANCE GROUP INC COMMON STOCK USD.01 | | 4,520,738.79 | 0.020% | 90.314% |
| 1156 | SERVISFIRST BANCSHARES INC COMMON STOCK USD.001 | | 4,511,262.24 | 0.020% | 90.334% |
| 1157 | NVENT ELECTRIC PLC COMMON STOCK USD.01 | | 4,501,388.28 | 0.020% | 90.354% |
| 1158 | OFFICE DEPOT INC COMMON STOCK USD.01 | | 4,473,420.72 | 0.020% | 90.374% |
| 1159 | INTELSAT SA COMMON STOCK USD.01 | | 4,465,290.84 | 0.020% | 90.393% |
| 1160 | UNIVERSAL CORP/VA COMMON STOCK | | 4,462,988.85 | 0.020% | 90.413% |
| 1161 | CONDUENT INC COMMON STOCK USD.01 | | 4,459,550.75 | 0.020% | 90.433% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 1162 | KEARNY FINANCIAL CORP/MD COMMON STOCK USD.01 | | 4,458,424.22 | 0.020% | 90.453% |
| 1163 | LIBERTY EXPEDIA HOLD A COMMON STOCK | | 4,451,813.08 | 0.020% | 90.472% |
| 1164 | GLOBAL BLOOD THERAPEUTICS IN COMMON STOCK USD.001 | | 4,435,904.05 | 0.020% | 90.492% |
| 1165 | MUELLER INDUSTRIES INC COMMON STOCK USD.01 | | 4,432,116.16 | 0.020% | 90.512% |
| 1166 | DINE BRANDS GLOBAL INC COMMON STOCK USD.01 | | 4,431,039.34 | 0.020% | 90.531% |
| 1167 | HILTON GRAND VACATIONS INC COMMON STOCK USD.01 | | 4,429,508.72 | 0.020% | 90.551% |
| 1168 | NOW INC COMMON STOCK USD.01 | | 4,426,820.04 | 0.020% | 90.571% |
| 1169 | SHUTTERFLY INC COMMON STOCK USD.0001 | | 4,421,151.90 | 0.020% | 90.590% |
| 1170 | ANDERSONS INC/THE COMMON STOCK | | 4,417,054.53 | 0.020% | 90.610% |
| 1171 | AIRCASTLE LTD COMMON STOCK USD.01 | | 4,413,871.00 | 0.020% | 90.629% |
| 1172 | MARCUS + MILLICHAP INC COMMON STOCK USD.0001 | | 4,412,709.54 | 0.020% | 90.649% |
| 1173 | GRAY TELEVISION INC COMMON STOCK | | 4,410,812.34 | 0.020% | 90.668% |
| 1174 | BANCFIRST CORP COMMON STOCK USD1.0 | | 4,408,515.30 | 0.020% | 90.688% |
| 1175 | LA Z BOY INC COMMON STOCK USD1.0 | | 4,397,909.52 | 0.019% | 90.707% |
| 1176 | SEABOARD CORP COMMON STOCK USD1.0 | | 4,387,132.40 | 0.019% | 90.727% |
| 1177 | SYNAPTICS INC COMMON STOCK USD.001 | | 4,377,458.82 | 0.019% | 90.746% |
| 1178 | STEELCASE INC CL A COMMON STOCK | | 4,375,339.39 | 0.019% | 90.766% |
| 1179 | PILGRIM S PRIDE CORP COMMON STOCK USD.01 | | 4,373,509.80 | 0.019% | 90.785% |
| 1180 | QEP RESOURCES INC COMMON STOCK USD.01 | | 4,370,614.04 | 0.019% | 90.804% |
| 1181 | MATTHEWS INTL CORP CLASS A COMMON STOCK USD1.0 | | 4,362,547.38 | 0.019% | 90.824% |
| 1182 | STERICYCLE INC COMMON STOCK USD.01 | | 4,357,341.09 | 0.019% | 90.843% |
| 1183 | AAR CORP COMMON STOCK USD1.0 | | 4,354,702.82 | 0.019% | 90.862% |
| 1184 | SPX FLOW INC COMMON STOCK USD.01 | | 4,346,470.44 | 0.019% | 90.881% |
| 1185 | ENPRO INDUSTRIES INC COMMON STOCK USD.01 | | 4,339,580.60 | 0.019% | 90.901% |
| 1186 | LENDINGTREE INC COMMON STOCK USD.01 | | 4,332,994.38 | 0.019% | 90.920% |
| 1187 | UNDER ARMOUR INC CLASS A COMMON STOCK USD.000333 | | 4,327,135.62 | 0.019% | 90.939% |
| 1188 | ALEXANDER + BALDWIN INC REIT | | 4,326,137.36 | 0.019% | 90.958% |
| 1189 | FIRST INTERSTATE BANCSYS A COMMON STOCK | | 4,319,308.08 | 0.019% | 90.977% |
| 1190 | K12 INC COMMON STOCK USD.0001 | | 4,302,106.18 | 0.019% | 90.996% |
| 1191 | BJ S RESTAURANTS INC COMMON STOCK | | 4,299,410.83 | 0.019% | 91.015% |
| 1192 | CALLAWAY GOLF COMPANY COMMON STOCK USD.01 | | 4,279,914.90 | 0.019% | 91.034% |
| 1193 | COOPER STANDARD HOLDING COMMON STOCK USD.001 | | 4,279,695.28 | 0.019% | 91.053% |
| 1194 | US ECOLOGY INC COMMON STOCK USD.01 | | 4,271,807.44 | 0.019% | 91.072% |
| 1195 | GREENBRIER COMPANIES INC COMMON STOCK | | 4,259,090.64 | 0.019% | 91.091% |
| 1196 | NORTHWEST NATURAL HOLDING CO COMMON STOCK | | 4,238,487.84 | 0.019% | 91.110% |
| 1197 | CARDTRONICS PLC A COMMON STOCK | | 4,237,870.00 | 0.019% | 91.129% |
| 1198 | PGT INNOVATIONS INC COMMON STOCK USD.01 | | 4,236,768.40 | 0.019% | 91.147% |
| 1199 | SERVICENOW INC COMMON STOCK USD.001 | | 4,229,221.65 | 0.019% | 91.166% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 1200 | DIAMOND OFFSHORE DRILLING COMMON STOCK USD.01 | | 4,226,014.24 | 0.019% | 91.185% |
| 1201 | WARRIOR MET COAL INC COMMON STOCK USD.01 | | 4,223,107.60 | 0.019% | 91.204% |
| 1202 | INNOSPEC INC COMMON STOCK USD.01 | | 4,207,276.48 | 0.019% | 91.222% |
| 1203 | BUILDERS FIRTSOURCE INC COMMON STOCK USD.01 | | 4,200,644.57 | 0.019% | 91.241% |
| 1204 | TTEC HOLDINGS INC COMMON STOCK USD.01 | | 4,198,075.80 | 0.019% | 91.260% |
| 1205 | AVX CORP COMMON STOCK USD.01 | | 4,191,721.75 | 0.019% | 91.278% |
| 1206 | HAWAIIAN ELECTRIC INDS COMMON STOCK | | 4,188,742.08 | 0.019% | 91.297% |
| 1207 | MASONITE INTERNATIONAL CORP COMMON STOCK | | 4,187,884.11 | 0.019% | 91.315% |
| 1208 | ACUSHNET HOLDINGS CORP COMMON STOCK USD.001 | | 4,183,954.18 | 0.019% | 91.334% |
| 1209 | WEIS MARKETS INC COMMON STOCK | | 4,179,603.28 | 0.019% | 91.352% |
| 1210 | ADVANCED DISPOSAL SERVICES I COMMON STOCK USD.01 | | 4,178,511.54 | 0.019% | 91.371% |
| 1211 | QUALYS INC COMMON STOCK USD.001 | | 4,175,873.28 | 0.018% | 91.389% |
| 1212 | KOSMOS ENERGY LTD COMMON STOCK USD.01 | | 4,164,818.79 | 0.018% | 91.408% |
| 1213 | SUMMIT MATERIALS INC CL A COMMON STOCK USD.01 | | 4,164,577.20 | 0.018% | 91.426% |
| 1214 | CANNAE HOLDINGS INC COMMON STOCK | | 4,152,781.28 | 0.018% | 91.445% |
| 1215 | OXFORD INDUSTRIES INC COMMON STOCK USD1.0 | | 4,148,167.68 | 0.018% | 91.463% |
| 1216 | AXON ENTERPRISE INC COMMON STOCK USD.00001 | | 4,147,981.25 | 0.018% | 91.481% |
| 1217 | COHEN + STEERS INC COMMON STOCK USD.01 | | 4,136,280.72 | 0.018% | 91.500% |
| 1218 | VIRTUSA CORP COMMON STOCK USD.01 | | 4,130,505.97 | 0.018% | 91.518% |
| 1219 | CALERES INC COMMON STOCK USD.01 | | 4,113,802.77 | 0.018% | 91.536% |
| 1220 | FIRST BUSEY CORP COMMON STOCK USD.001 | | 4,104,781.26 | 0.018% | 91.554% |
| 1221 | MBIA INC COMMON STOCK USD1.0 | | 4,103,646.00 | 0.018% | 91.572% |
| 1222 | UNIVERSAL DISPLAY CORP COMMON STOCK USD.01 | | 4,100,237.40 | 0.018% | 91.591% |
| 1223 | BROOKDALE SENIOR LIVING INC COMMON STOCK USD.01 | | 4,090,845.80 | 0.018% | 91.609% |
| 1224 | ARENA PHARMACEUTICALS INC COMMON STOCK USD.0001 | | 4,083,595.90 | 0.018% | 91.627% |
| 1225 | MGP INGREDIENTS INC COMMON STOCK | | 4,075,537.90 | 0.018% | 91.645% |
| 1226 | EVERTEC INC COMMON STOCK USD.01 | | 4,070,291.40 | 0.018% | 91.663% |
| 1227 | TRAVELPORT WORLDWIDE LTD COMMON STOCK USD.0025 | | 4,067,041.88 | 0.018% | 91.681% |
| 1228 | WESTAMERICA BANCORPORATION COMMON STOCK | | 4,064,472.96 | 0.018% | 91.699% |
| 1229 | WSFS FINANCIAL CORP COMMON STOCK USD.01 | | 4,062,170.23 | 0.018% | 91.717% |
| 1230 | GENWORTH FINANCIAL INC CL A COMMON STOCK USD.001 | | 4,060,360.52 | 0.018% | 91.735% |
| 1231 | FIRST COMMONWEALTH FINL CORP COMMON STOCK USD1.0 | | 4,054,482.88 | 0.018% | 91.753% |
| 1232 | PATTERN ENERGY GROUP INC A COMMON STOCK USD.01 | | 4,052,196.12 | 0.018% | 91.771% |
| 1233 | INSIGHT ENTERPRISES INC COMMON STOCK USD.01 | | 4,049,123.75 | 0.018% | 91.789% |
| 1234 | AMERICAN AXLE + MFG HOLDINGS COMMON STOCK USD.01 | | 4,047,748.20 | 0.018% | 91.807% |
| 1235 | BERKSHIRE HILLS BANCORP INC COMMON STOCK USD.01 | | 4,026,836.76 | 0.018% | 91.825% |
| 1236 | OCEANEERING INTL INC COMMON STOCK USD.25 | | 4,008,669.50 | 0.018% | 91.842% |
| 1237 | VIAD CORP COMMON STOCK USD1.5 | | 4,005,547.03 | 0.018% | 91.860% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1238 | HUB GROUP INC CL A COMMON STOCK USD.01 | | 4,003,226.37 | 0.018% | 91.878% |
| 1239 | KNOWLES CORP COMMON STOCK USD.01 | | 3,995,435.73 | 0.018% | 91.896% |
| 1240 | TRIMAS CORP COMMON STOCK USD.01 | | 3,993,372.99 | 0.018% | 91.913% |
| 1241 | OSI SYSTEMS INC COMMON STOCK | | 3,972,493.50 | 0.018% | 91.931% |
| 1242 | LUMENTUM HOLDINGS INC COMMON STOCK USD.001 | | 3,963,055.36 | 0.018% | 91.948% |
| 1243 | EXPRESS INC COMMON STOCK | | 3,962,626.15 | 0.018% | 91.966% |
| 1244 | DHT HOLDINGS INC COMMON STOCK USD.01 | | 3,950,391.76 | 0.018% | 91.983% |
| 1245 | U.S. PHYSICAL THERAPY INC COMMON STOCK USD.01 | | 3,949,584.15 | 0.017% | 92.001% |
| 1246 | NEENAH INC COMMON STOCK USD.01 | | 3,936,386.28 | 0.017% | 92.018% |
| 1247 | SUNRUN INC COMMON STOCK USD.0001 | | 3,922,730.46 | 0.017% | 92.036% |
| 1248 | NAVISTAR INTERNATIONAL CORP COMMON STOCK USD.1 | | 3,920,733.60 | 0.017% | 92.053% |
| 1249 | GULFPORT ENERGY CORP COMMON STOCK USD.01 | | 3,908,882.80 | 0.017% | 92.070% |
| 1250 | FRESH DEL MONTE PRODUCE INC COMMON STOCK USD.01 | | 3,906,489.95 | 0.017% | 92.088% |
| 1251 | STANDARD MOTOR PRODS COMMON STOCK USD2.0 | | 3,892,706.54 | 0.017% | 92.105% |
| 1252 | ATN INTERNATIONAL INC COMMON STOCK USD.01 | | 3,889,229.16 | 0.017% | 92.122% |
| 1253 | GTT COMMUNICATIONS INC COMMON STOCK USD.0001 | | 3,886,178.66 | 0.017% | 92.139% |
| 1254 | CONTINENTAL BUILDING PRODUCT COMMON STOCK USD.001 | | 3,882,957.40 | 0.017% | 92.157% |
| 1255 | MSG NETWORKS INC A COMMON STOCK USD.01 | | 3,878,871.28 | 0.017% | 92.174% |
| 1256 | AMERISAFE INC COMMON STOCK USD.01 | | 3,867,958.70 | 0.017% | 92.191% |
| 1257 | DOUGLAS DYNAMICS INC COMMON STOCK USD.01 | | 3,863,594.39 | 0.017% | 92.208% |
| 1258 | KRATOS DEFENSE + SECURITY COMMON STOCK USD.001 | | 3,862,252.17 | 0.017% | 92.225% |
| 1259 | GROUPON INC COMMON STOCK USD.0001 | | 3,851,900.80 | 0.017% | 92.242% |
| 1260 | VERTEX PHARMACEUTICALS INC COMMON STOCK USD.01 | | 3,848,117.62 | 0.017% | 92.259% |
| 1261 | STEWART INFORMATION SERVICES COMMON STOCK USD1.0 | | 3,840,098.40 | 0.017% | 92.276% |
| 1262 | BROOKLINE BANCORP INC COMMON STOCK USD.01 | | 3,838,311.52 | 0.017% | 92.293% |
| 1263 | SOUTHSIDE BANCSHARES INC COMMON STOCK USD1.25 | | 3,835,050.75 | 0.017% | 92.310% |
| 1264 | WAYFAIR INC CLASS A COMMON STOCK USD.001 | | 3,831,372.64 | 0.017% | 92.327% |
| 1265 | SRC ENERGY INC COMMON STOCK USD.001 | | 3,830,843.10 | 0.017% | 92.344% |
| 1266 | INCYTE CORP COMMON STOCK USD.001 | | 3,828,245.18 | 0.017% | 92.361% |
| 1267 | EQT CORP COMMON STOCK | | 3,816,875.62 | 0.017% | 92.378% |
| 1268 | POWER INTEGRATIONS INC COMMON STOCK USD.001 | | 3,815,457.62 | 0.017% | 92.395% |
| 1269 | CENTRAL GARDEN AND PET CO A COMMON STOCK USD.01 | | 3,814,656.25 | 0.017% | 92.412% |
| 1270 | RAVEN INDUSTRIES INC COMMON STOCK USD1.0 | | 3,808,888.93 | 0.017% | 92.429% |
| 1271 | NMI HOLDINGS INC CLASS A COMMON STOCK USD.01 | | 3,794,445.90 | 0.017% | 92.446% |
| 1272 | HECLA MINING CO COMMON STOCK USD.25 | | 3,773,448.84 | 0.017% | 92.462% |
| 1273 | WELBILT INC COMMON STOCK USD.01 | | 3,771,578.36 | 0.017% | 92.479% |
| 1274 | RUTH S HOSPITALITY GROUP INC COMMON STOCK USD.01 | | 3,752,973.03 | 0.017% | 92.496% |
| 1275 | NUTRISYSTEM INC COMMON STOCK USD.001 | | 3,745,947.84 | 0.017% | 92.512% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1276 | TABLEAU SOFTWARE INC CL A COMMON STOCK USD.0001 | | 3,744,120.00 | 0.017% | 92.529% |
| 1277 | CALAVO GROWERS INC COMMON STOCK USD.001 | | 3,744,088.32 | 0.017% | 92.545% |
| 1278 | BRINKER INTERNATIONAL INC COMMON STOCK USD.1 | | 3,743,225.76 | 0.017% | 92.562% |
| 1279 | ZILLOW GROUP INC C COMMON STOCK | | 3,733,071.80 | 0.017% | 92.579% |
| 1280 | INNOVIVA INC COMMON STOCK | | 3,732,589.90 | 0.017% | 92.595% |
| 1281 | LENDINGCLUB CORP COMMON STOCK USD.01 | | 3,732,119.91 | 0.017% | 92.612% |
| 1282 | ALNYLAM PHARMACEUTICALS INC COMMON STOCK USD.01 | | 3,731,460.89 | 0.017% | 92.628% |
| 1283 | KEURIG DR PEPPER INC COMMON STOCK USD.01 | | 3,729,158.52 | 0.017% | 92.645% |
| 1284 | HURON CONSULTING GROUP INC COMMON STOCK USD.01 | | 3,724,079.80 | 0.016% | 92.661% |
| 1285 | JAMES RIVER GROUP HOLDINGS L COMMON STOCK USD.0002 | | 3,716,519.94 | 0.016% | 92.678% |
| 1286 | SONIC AUTOMOTIVE INC CLASS A COMMON STOCK USD.01 | | 3,710,645.44 | 0.016% | 92.694% |
| 1287 | RENEWABLE ENERGY GROUP INC COMMON STOCK USD.0001 | | 3,707,867.50 | 0.016% | 92.710% |
| 1288 | INOGEN INC COMMON STOCK USD.001 | | 3,707,716.20 | 0.016% | 92.727% |
| 1289 | TIVITY HEALTH INC COMMON STOCK USD.001 | | 3,706,589.19 | 0.016% | 92.743% |
| 1290 | ARCOSA INC COMMON STOCK USD.01 | | 3,699,107.10 | 0.016% | 92.760% |
| 1291 | SANDY SPRING BANCORP INC COMMON STOCK USD1.0 | | 3,680,726.30 | 0.016% | 92.776% |
| 1292 | PARK NATIONAL CORP COMMON STOCK | | 3,678,674.80 | 0.016% | 92.792% |
| 1293 | ROWAN COMPANIES PLC A COMMON STOCK USD.125 | | 3,674,090.07 | 0.016% | 92.809% |
| 1294 | ALTRA INDUSTRIAL MOTION CORP COMMON STOCK USD.001 | | 3,673,735.95 | 0.016% | 92.825% |
| 1295 | MRC GLOBAL INC COMMON STOCK USD.01 | | 3,667,728.08 | 0.016% | 92.841% |
| 1296 | CSG SYSTEMS INTL INC COMMON STOCK USD.01 | | 3,662,763.30 | 0.016% | 92.857% |
| 1297 | ELECTRONICS FOR IMAGING COMMON STOCK USD.01 | | 3,662,687.20 | 0.016% | 92.874% |
| 1298 | AMERICAN WOODMARK CORP COMMON STOCK | | 3,643,031.04 | 0.016% | 92.890% |
| 1299 | HERITAGE FINANCIAL CORP COMMON STOCK | | 3,642,661.52 | 0.016% | 92.906% |
| 1300 | BENEFICIAL BANCORP INC COMMON STOCK USD.01 | | 3,635,919.02 | 0.016% | 92.922% |
| 1301 | ATRION CORPORATION COMMON STOCK USD.1 | | 3,632,774.16 | 0.016% | 92.938% |
| 1302 | AEROVIRONMENT INC COMMON STOCK USD.0001 | | 3,630,908.25 | 0.016% | 92.954% |
| 1303 | SEMGROUP CORP CLASS A COMMON STOCK | | 3,618,131.92 | 0.016% | 92.970% |
| 1304 | ENCORE WIRE CORP COMMON STOCK USD.01 | | 3,614,314.86 | 0.016% | 92.986% |
| 1305 | UNIVAR INC COMMON STOCK USD.01 | | 3,611,864.00 | 0.016% | 93.002% |
| 1306 | PRA GROUP INC COMMON STOCK USD.01 | | 3,594,818.70 | 0.016% | 93.018% |
| 1307 | OCEANFIRST FINANCIAL CORP COMMON STOCK USD.01 | | 3,591,605.56 | 0.016% | 93.034% |
| 1308 | FBL FINANCIAL GROUP INC CL A COMMON STOCK | | 3,589,938.95 | 0.016% | 93.050% |
| 1309 | ATKORE INTERNATIONAL GROUP I COMMON STOCK USD.01 | | 3,589,591.68 | 0.016% | 93.066% |
| 1310 | HOSTESS BRANDS INC COMMON STOCK USD.0001 | | 3,579,644.58 | 0.016% | 93.082% |
| 1311 | BLUEBIRD BIO INC COMMON STOCK USD.01 | | 3,578,838.40 | 0.016% | 93.097% |
| 1312 | SITEONE LANDSCAPE SUPPLY INC COMMON STOCK USD.01 | | 3,571,602.67 | 0.016% | 93.113% |
| 1313 | ATLAS AIR WORLDWIDE HOLDINGS COMMON STOCK USD.01 | | 3,562,776.74 | 0.016% | 93.129% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 1314 | MATCH GROUP INC COMMON STOCK USD.001 | | 3,547,685.96 | 0.016% | 93.145% |
| 1315 | FRONTDOOR INC COMMON STOCK USD.01 | | 3,540,327.45 | 0.016% | 93.160% |
| 1316 | HIBBETT SPORTS INC COMMON STOCK USD.01 | | 3,535,832.30 | 0.016% | 93.176% |
| 1317 | EBIX INC COMMON STOCK USD.1 | | 3,524,946.88 | 0.016% | 93.192% |
| 1318 | SUNCOKE ENERGY INC COMMON STOCK USD.01 | | 3,520,017.90 | 0.016% | 93.207% |
| 1319 | GROUP 1 AUTOMOTIVE INC COMMON STOCK USD.01 | | 3,518,216.48 | 0.016% | 93.223% |
| 1320 | CARRIZO OIL + GAS INC COMMON STOCK USD.01 | | 3,517,399.50 | 0.016% | 93.239% |
| 1321 | SYKES ENTERPRISES INC COMMON STOCK USD.01 | | 3,506,021.56 | 0.016% | 93.254% |
| 1322 | HERTZ GLOBAL HOLDINGS INC COMMON STOCK USD.01 | | 3,504,965.10 | 0.016% | 93.270% |
| 1323 | TIVO CORP COMMON STOCK USD.001 | | 3,502,242.03 | 0.016% | 93.285% |
| 1324 | LIBERTY MEDIA COR SIRIUSXM A TRACKING STK USD.01 | | 3,501,593.60 | 0.016% | 93.301% |
| 1325 | RUSH ENTERPRISES INC CL A COMMON STOCK USD.01 | | 3,488,996.72 | 0.015% | 93.316% |
| 1326 | CBIZ INC COMMON STOCK USD.01 | | 3,483,354.00 | 0.015% | 93.331% |
| 1327 | NAVIGANT CONSULTING INC COMMON STOCK USD.001 | | 3,482,560.25 | 0.015% | 93.347% |
| 1328 | SHIP FINANCE INTL LTD COMMON STOCK USD.01 | | 3,477,511.44 | 0.015% | 93.362% |
| 1329 | GREIF INC CL A COMMON STOCK | | 3,474,386.64 | 0.015% | 93.378% |
| 1330 | NEWELL BRANDS INC COMMON STOCK USD1.0 | | 3,472,072.89 | 0.015% | 93.393% |
| 1331 | HOULIHAN LOKEY INC COMMON STOCK USD.001 | | 3,463,064.00 | 0.015% | 93.408% |
| 1332 | CORVEL CORP COMMON STOCK USD.0001 | | 3,459,406.00 | 0.015% | 93.424% |
| 1333 | NEWMARK GROUP INC W/I COMMON STOCK USD.01 | | 3,453,668.64 | 0.015% | 93.439% |
| 1334 | 1ST SOURCE CORP COMMON STOCK | | 3,453,265.36 | 0.015% | 93.454% |
| 1335 | P G + E CORP COMMON STOCK | | 3,451,967.50 | 0.015% | 93.470% |
| 1336 | PROPETRO HOLDING CORP COMMON STOCK | | 3,451,706.72 | 0.015% | 93.485% |
| 1337 | MACQUARIE INFRASTRUCTURE COR COMMON STOCK USD.001 | | 3,450,715.60 | 0.015% | 93.500% |
| 1338 | YELP INC COMMON STOCK USD.000001 | | 3,444,660.53 | 0.015% | 93.515% |
| 1339 | FB FINANCIAL CORP COMMON STOCK USD1.0 | | 3,432,765.46 | 0.015% | 93.531% |
| 1340 | BMC STOCK HOLDINGS INC COMMON STOCK USD.01 | | 3,412,380.24 | 0.015% | 93.546% |
| 1341 | TESLA INC COMMON STOCK USD.001 | | 3,405,875.20 | 0.015% | 93.561% |
| 1342 | KEMET CORP COMMON STOCK USD.01 | | 3,405,268.22 | 0.015% | 93.576% |
| 1343 | TRICO BANCSHARES COMMON STOCK | | 3,394,712.35 | 0.015% | 93.591% |
| 1344 | EPLUS INC COMMON STOCK USD.01 | | 3,379,649.79 | 0.015% | 93.606% |
| 1345 | HORACE MANN EDUCATORS COMMON STOCK USD.001 | | 3,378,439.40 | 0.015% | 93.621% |
| 1346 | PAYLOCITY HOLDING CORP COMMON STOCK USD.001 | | 3,374,770.50 | 0.015% | 93.636% |
| 1347 | ACTUANT CORP A COMMON STOCK USD.2 | | 3,365,788.48 | 0.015% | 93.651% |
| 1348 | PIPER JAFFRAY COS COMMON STOCK USD.01 | | 3,361,922.08 | 0.015% | 93.666% |
| 1349 | APERGY CORP COMMON STOCK USD.01 | | 3,356,782.64 | 0.015% | 93.681% |
| 1350 | BRIGGS + STRATTON COMMON STOCK USD.01 | | 3,354,379.08 | 0.015% | 93.695% |
| 1351 | WORLD ACCEPTANCE CORP COMMON STOCK | | 3,348,810.48 | 0.015% | 93.710% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1352 | KFORCE INC COMMON STOCK USD.01 | | 3,346,440.68 | 0.015% | 93.725% |
| 1353 | ARTISAN PARTNERS ASSET MA A COMMON STOCK USD.01 | | 3,343,739.52 | 0.015% | 93.740% |
| 1354 | REALPAGE INC COMMON STOCK USD.001 | | 3,338,169.49 | 0.015% | 93.755% |
| 1355 | VIRTU FINANCIAL INC CLASS A COMMON STOCK USD.00001 | | 3,333,524.32 | 0.015% | 93.769% |
| 1356 | ICF INTERNATIONAL INC COMMON STOCK USD.001 | | 3,322,760.54 | 0.015% | 93.784% |
| 1357 | GARDNER DENVER HOLDINGS INC COMMON STOCK USD.01 | | 3,320,486.95 | 0.015% | 93.799% |
| 1358 | ATARA BIOTHERAPEUTICS INC COMMON STOCK USD.0001 | | 3,314,334.96 | 0.015% | 93.814% |
| 1359 | TTM TECHNOLOGIES COMMON STOCK USD.001 | | 3,311,819.56 | 0.015% | 93.828% |
| 1360 | PATRICK INDUSTRIES INC COMMON STOCK | | 3,307,437.00 | 0.015% | 93.843% |
| 1361 | NATIONAL WESTERN LIFE GROU A COMMON STOCK USD.01 | | 3,302,888.80 | 0.015% | 93.858% |
| 1362 | DIPLOMAT PHARMACY INC COMMON STOCK | | 3,288,924.08 | 0.015% | 93.872% |
| 1363 | ACACIA COMMUNICATIONS INC COMMON STOCK USD.0001 | | 3,279,932.00 | 0.015% | 93.887% |
| 1364 | ULTIMATE SOFTWARE GROUP INC COMMON STOCK USD.01 | | 3,279,299.04 | 0.015% | 93.901% |
| 1365 | SIMPLY GOOD FOODS CO/THE COMMON STOCK USD.0001 | | 3,272,138.10 | 0.014% | 93.916% |
| 1366 | CHESAPEAKE UTILITIES CORP COMMON STOCK USD.4867 | | 3,269,073.00 | 0.014% | 93.930% |
| 1367 | NATIONAL BANK HOLD CL A COMMON STOCK | | 3,254,037.57 | 0.014% | 93.945% |
| 1368 | MATTEL INC COMMON STOCK USD1.0 | | 3,251,025.72 | 0.014% | 93.959% |
| 1369 | HOUGHTON MIFFLIN HARCOURT CO COMMON STOCK USD.01 | | 3,250,680.84 | 0.014% | 93.973% |
| 1370 | FIRST BANCORP/NC COMMON STOCK | | 3,246,697.94 | 0.014% | 93.988% |
| 1371 | IMAX CORP COMMON STOCK | | 3,243,709.26 | 0.014% | 94.002% |
| 1372 | EQUITRANS MIDSTREAM CORP COMMON STOCK | | 3,236,152.92 | 0.014% | 94.016% |
| 1373 | STRATASYS LTD COMMON STOCK ILS.01 | | 3,233,911.62 | 0.014% | 94.031% |
| 1374 | MICROSTRATEGY INC CL A COMMON STOCK USD.001 | | 3,233,352.50 | 0.014% | 94.045% |
| 1375 | KNOLL INC COMMON STOCK USD.01 | | 3,232,107.04 | 0.014% | 94.059% |
| 1376 | SPX CORP COMMON STOCK USD.01 | | 3,219,497.41 | 0.014% | 94.074% |
| 1377 | CORCEPT THERAPEUTICS INC COMMON STOCK USD.001 | | 3,207,695.92 | 0.014% | 94.088% |
| 1378 | RADIAN GROUP INC COMMON STOCK USD.001 | | 3,196,858.52 | 0.014% | 94.102% |
| 1379 | ARCHROCK INC COMMON STOCK USD.01 | | 3,193,840.86 | 0.014% | 94.116% |
| 1380 | PLANTRONICS INC COMMON STOCK USD.01 | | 3,192,991.50 | 0.014% | 94.130% |
| 1381 | PRIMORIS SERVICES CORP COMMON STOCK USD.0001 | | 3,192,682.22 | 0.014% | 94.144% |
| 1382 | DEXCOM INC COMMON STOCK USD.001 | | 3,191,472.00 | 0.014% | 94.159% |
| 1383 | GANNETT CO INC COMMON STOCK USD.01 | | 3,160,492.95 | 0.014% | 94.173% |
| 1384 | CAVCO INDUSTRIES INC COMMON STOCK USD.01 | | 3,159,759.30 | 0.014% | 94.187% |
| 1385 | QUIDEL CORP COMMON STOCK USD.001 | | 3,159,435.12 | 0.014% | 94.201% |
| 1386 | PENN NATIONAL GAMING INC COMMON STOCK USD.01 | | 3,150,315.49 | 0.014% | 94.215% |
| 1387 | HAIN CELESTIAL GROUP INC COMMON STOCK USD.01 | | 3,148,130.70 | 0.014% | 94.229% |
| 1388 | BOINGO WIRELESS INC COMMON STOCK | | 3,142,252.63 | 0.014% | 94.242% |
| 1389 | TOMPKINS FINANCIAL CORP COMMON STOCK USD.1 | | 3,135,342.99 | 0.014% | 94.256% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1390 | ZOGENIX INC COMMON STOCK USD.001 | | 3,131,075.42 | 0.014% | 94.270% |
| 1391 | WEIGHT WATCHERS INTL INC COMMON STOCK | | 3,129,681.75 | 0.014% | 94.284% |
| 1392 | TUPPERWARE BRANDS CORP COMMON STOCK USD.01 | | 3,128,871.13 | 0.014% | 94.298% |
| 1393 | AVANGRID INC COMMON STOCK USD.01 | | 3,128,771.67 | 0.014% | 94.312% |
| 1394 | GORMAN RUPP CO COMMON STOCK | | 3,119,851.42 | 0.014% | 94.326% |
| 1395 | RED ROCK RESORTS INC CLASS A COMMON STOCK USD.01 | | 3,114,924.39 | 0.014% | 94.339% |
| 1396 | WABASH NATIONAL CORP COMMON STOCK USD.01 | | 3,112,019.76 | 0.014% | 94.353% |
| 1397 | FITBIT INC A COMMON STOCK USD.0001 | | 3,110,201.15 | 0.014% | 94.367% |
| 1398 | LIONS GATE ENTERTAINMENT B COMMON STOCK | | 3,102,792.48 | 0.014% | 94.381% |
| 1399 | KAISER ALUMINUM CORP COMMON STOCK USD.01 | | 3,099,880.93 | 0.014% | 94.394% |
| 1400 | MATERION CORP COMMON STOCK | | 3,089,463.30 | 0.014% | 94.408% |
| 1401 | GENESCO INC COMMON STOCK USD1.0 | | 3,081,153.60 | 0.014% | 94.422% |
| 1402 | BOISE CASCADE CO COMMON STOCK USD.01 | | 3,080,990.70 | 0.014% | 94.435% |
| 1403 | LIBERTY BROADBAND A COMMON STOCK USD.01 | | 3,079,930.90 | 0.014% | 94.449% |
| 1404 | CONSOLIDATED COMMUNICATIONS COMMON STOCK USD.01 | | 3,074,359.60 | 0.014% | 94.463% |
| 1405 | GIBRALTAR INDUSTRIES INC COMMON STOCK USD.01 | | 3,074,299.79 | 0.014% | 94.476% |
| 1406 | BOTTOMLINE TECHNOLOGIES (DE) COMMON STOCK USD.001 | | 3,063,744.00 | 0.014% | 94.490% |
| 1407 | H+E EQUIPMENT SERVICES INC COMMON STOCK USD.01 | | 3,063,020.42 | 0.014% | 94.503% |
| 1408 | PERSPECTA INC COMMON STOCK USD.01 | | 3,054,363.06 | 0.014% | 94.517% |
| 1409 | TENNANT CO COMMON STOCK USD.375 | | 3,052,134.81 | 0.014% | 94.531% |
| 1410 | PALO ALTO NETWORKS INC COMMON STOCK USD.0001 | | 3,044,866.10 | 0.013% | 94.544% |
| 1411 | TRUEBLUE INC COMMON STOCK | | 3,043,978.00 | 0.013% | 94.557% |
| 1412 | CHESAPEAKE ENERGY CORP COMMON STOCK USD.01 | | 3,043,884.90 | 0.013% | 94.571% |
| 1413 | US CELLULAR CORP COMMON STOCK USD1.0 | | 3,021,379.89 | 0.013% | 94.584% |
| 1414 | KB HOME COMMON STOCK USD1.0 | | 3,010,160.00 | 0.013% | 94.598% |
| 1415 | KEANE GROUP INC COMMON STOCK USD.01 | | 3,009,536.52 | 0.013% | 94.611% |
| 1416 | KADANT INC COMMON STOCK USD.01 | | 3,003,104.36 | 0.013% | 94.624% |
| 1417 | RPC INC COMMON STOCK USD.1 | | 3,002,671.14 | 0.013% | 94.638% |
| 1418 | MICHAELS COS INC/THE COMMON STOCK USD.06775 | | 2,994,357.46 | 0.013% | 94.651% |
| 1419 | ELECTRO SCIENTIFIC INDS INC COMMON STOCK | | 2,989,528.64 | 0.013% | 94.664% |
| 1420 | COEUR MINING INC COMMON STOCK USD.01 | | 2,979,795.87 | 0.013% | 94.677% |
| 1421 | CASELLA WASTE SYSTEMS INC A COMMON STOCK USD.01 | | 2,972,418.68 | 0.013% | 94.691% |
| 1422 | SIRIUS XM HOLDINGS INC COMMON STOCK USD.001 | | 2,972,266.27 | 0.013% | 94.704% |
| 1423 | NEWS CORP CLASS B COMMON STOCK | | 2,969,019.90 | 0.013% | 94.717% |
| 1424 | LAKELAND FINANCIAL CORP COMMON STOCK | | 2,964,048.96 | 0.013% | 94.730% |
| 1425 | FORMFACTOR INC COMMON STOCK USD.001 | | 2,960,238.55 | 0.013% | 94.743% |
| 1426 | OIL STATES INTERNATIONAL INC COMMON STOCK USD.01 | | 2,959,658.52 | 0.013% | 94.756% |
| 1427 | THIRD POINT REINSURANCE LTD COMMON STOCK USD.1 | | 2,953,821.32 | 0.013% | 94.769% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1428 | ENTERPRISE FINANCIAL SERVICE COMMON STOCK USD.01 | | 2,947,332.12 | 0.013% | 94.782% |
| 1429 | CITY HOLDING CO COMMON STOCK USD2.5 | | 2,934,352.26 | 0.013% | 94.795% |
| 1430 | BOSTON PRIVATE FINL HOLDING COMMON STOCK USD1.0 | | 2,933,407.54 | 0.013% | 94.808% |
| 1431 | SCANSOURCE INC COMMON STOCK | | 2,930,276.16 | 0.013% | 94.821% |
| 1432 | JELD WEN HOLDING INC COMMON STOCK USD.01 | | 2,926,648.97 | 0.013% | 94.834% |
| 1433 | GASLOG LTD COMMON STOCK USD.01 | | 2,916,102.98 | 0.013% | 94.847% |
| 1434 | SCHOLASTIC CORP COMMON STOCK USD.01 | | 2,910,999.30 | 0.013% | 94.860% |
| 1435 | PERFICIENT INC COMMON STOCK USD.001 | | 2,909,448.78 | 0.013% | 94.873% |
| 1436 | CAREER EDUCATION CORP COMMON STOCK USD.01 | | 2,909,382.04 | 0.013% | 94.886% |
| 1437 | MGIC INVESTMENT CORP COMMON STOCK USD1.0 | | 2,907,440.68 | 0.013% | 94.899% |
| 1438 | REGENXBIO INC COMMON STOCK USD.0001 | | 2,906,925.25 | 0.013% | 94.912% |
| 1439 | ZILLOW GROUP INC A COMMON STOCK USD.0001 | | 2,899,763.23 | 0.013% | 94.924% |
| 1440 | NATIONAL HEALTHCARE CORP COMMON STOCK USD.01 | | 2,894,255.85 | 0.013% | 94.937% |
| 1441 | PAPA JOHN S INTL INC COMMON STOCK USD.01 | | 2,885,110.32 | 0.013% | 94.950% |
| 1442 | HERC HOLDINGS INC COMMON STOCK USD.01 | | 2,883,668.47 | 0.013% | 94.963% |
| 1443 | INSTALLED BUILDING PRODUCTS COMMON STOCK USD.01 | | 2,867,456.97 | 0.013% | 94.976% |
| 1444 | TRADE DESK INC/THE CLASS A COMMON STOCK | | 2,863,316.26 | 0.013% | 94.988% |
| 1445 | HEALTHCARE SERVICES GROUP COMMON STOCK USD.01 | | 2,862,704.46 | 0.013% | 95.001% |
| 1446 | MILACRON HOLDINGS CORP COMMON STOCK USD.01 | | 2,862,695.85 | 0.013% | 95.014% |
| 1447 | NEUROCRINE BIOSCIENCES INC COMMON STOCK USD.001 | | 2,853,829.24 | 0.013% | 95.026% |
| 1448 | MALIBU BOATS INC A COMMON STOCK USD.01 | | 2,845,700.40 | 0.013% | 95.039% |
| 1449 | NATUS MEDICAL INC COMMON STOCK USD.001 | | 2,844,635.76 | 0.013% | 95.051% |
| 1450 | ARGAN INC COMMON STOCK USD.15 | | 2,835,956.64 | 0.013% | 95.064% |
| 1451 | XPERI CORP COMMON STOCK USD.001 | | 2,834,561.04 | 0.013% | 95.077% |
| 1452 | SUN HYDRAULICS CORP COMMON STOCK USD.001 | | 2,822,278.46 | 0.013% | 95.089% |
| 1453 | ADVANCED DRAINAGE SYSTEMS IN COMMON STOCK USD.01 | | 2,814,940.00 | 0.012% | 95.102% |
| 1454 | OFG BANCORP COMMON STOCK USD1.0 | | 2,811,203.40 | 0.012% | 95.114% |
| 1455 | CHASE CORP COMMON STOCK USD.1 | | 2,804,001.30 | 0.012% | 95.126% |
| 1456 | APOGEE ENTERPRISES INC COMMON STOCK USD.333 | | 2,792,169.00 | 0.012% | 95.139% |
| 1457 | TEAM INC COMMON STOCK USD.3 | | 2,783,851.60 | 0.012% | 95.151% |
| 1458 | INTERFACE INC COMMON STOCK USD.1 | | 2,777,125.50 | 0.012% | 95.163% |
| 1459 | HELIX ENERGY SOLUTIONS GROUP COMMON STOCK | | 2,770,742.32 | 0.012% | 95.176% |
| 1460 | SOUTHERN COPPER CORP COMMON STOCK USD.01 | | 2,746,007.11 | 0.012% | 95.188% |
| 1461 | ORTHOFIX MEDICAL INC COMMON STOCK USD.1 | | 2,713,837.98 | 0.012% | 95.200% |
| 1462 | BRIGHTSPHERE INVESTMENT GROU COMMON STOCK USD.001 | | 2,703,780.84 | 0.012% | 95.212% |
| 1463 | METHODE ELECTRONICS INC COMMON STOCK USD.5 | | 2,701,476.97 | 0.012% | 95.224% |
| 1464 | SJW GROUP COMMON STOCK USD.001 | | 2,693,176.02 | 0.012% | 95.236% |
| 1465 | RAMBUS INC COMMON STOCK USD.001 | | 2,690,490.27 | 0.012% | 95.248% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1466 | NEXTGEN HEALTHCARE INC COMMON STOCK USD.01 | | 2,688,200.85 | 0.012% | 95.260% |
| 1467 | AZZ INC COMMON STOCK USD1.0 | | 2,680,549.76 | 0.012% | 95.271% |
| 1468 | WRIGHT MEDICAL GROUP NV COMMON STOCK USD.03 | | 2,675,943.76 | 0.012% | 95.283% |
| 1469 | ENOVA INTERNATIONAL INC COMMON STOCK USD.00001 | | 2,667,323.82 | 0.012% | 95.295% |
| 1470 | INVESTMENT TECHNOLOGY GROUP COMMON STOCK USD.01 | | 2,666,200.32 | 0.012% | 95.307% |
| 1471 | SPLUNK INC COMMON STOCK USD.001 | | 2,657,108.70 | 0.012% | 95.319% |
| 1472 | AMERICAN OUTDOOR BRANDS CORP COMMON STOCK USD.001 | | 2,654,651.22 | 0.012% | 95.330% |
| 1473 | DENBURY RESOURCES INC COMMON STOCK USD.001 | | 2,651,016.42 | 0.012% | 95.342% |
| 1474 | STONERIDGE INC COMMON STOCK | | 2,650,713.10 | 0.012% | 95.354% |
| 1475 | PROVIDENCE SERVICE CORP COMMON STOCK USD.001 | | 2,642,080.40 | 0.012% | 95.366% |
| 1476 | UNIT CORP COMMON STOCK USD.2 | | 2,640,743.28 | 0.012% | 95.377% |
| 1477 | MARCUS CORPORATION COMMON STOCK USD1.0 | | 2,632,003.50 | 0.012% | 95.389% |
| 1478 | LINDSAY CORP COMMON STOCK USD1.0 | | 2,630,897.50 | 0.012% | 95.401% |
| 1479 | TUTOR PERINI CORP COMMON STOCK USD1.0 | | 2,630,610.34 | 0.012% | 95.412% |
| 1480 | KRONOS WORLDWIDE INC COMMON STOCK USD.01 | | 2,630,280.96 | 0.012% | 95.424% |
| 1481 | MAXLINEAR INC COMMON STOCK | | 2,612,262.40 | 0.012% | 95.436% |
| 1482 | ENTERCOM COMMUNICATIONS CL A COMMON STOCK USD.01 | | 2,607,968.27 | 0.012% | 95.447% |
| 1483 | VAREX IMAGING CORP COMMON STOCK USD.01 | | 2,602,597.76 | 0.012% | 95.459% |
| 1484 | TRIUMPH BANCORP INC COMMON STOCK USD.01 | | 2,596,225.50 | 0.012% | 95.470% |
| 1485 | EW SCRIPPS CO/THE A COMMON STOCK USD.01 | | 2,592,508.49 | 0.011% | 95.482% |
| 1486 | HEALTH EQUITY INC COMMON STOCK USD.0001 | | 2,590,360.90 | 0.011% | 95.493% |
| 1487 | VERSO CORP A COMMON STOCK | | 2,577,142.40 | 0.011% | 95.504% |
| 1488 | TPI COMPOSITES INC COMMON STOCK USD.01 | | 2,571,510.44 | 0.011% | 95.516% |
| 1489 | ST JOE CO/THE COMMON STOCK | | 2,569,295.79 | 0.011% | 95.527% |
| 1490 | SEATTLE GENETICS INC COMMON STOCK USD.001 | | 2,566,981.30 | 0.011% | 95.539% |
| 1491 | CRAY INC COMMON STOCK USD.01 | | 2,545,547.36 | 0.011% | 95.550% |
| 1492 | FOSSIL GROUP INC COMMON STOCK USD.01 | | 2,538,208.53 | 0.011% | 95.561% |
| 1493 | AT HOME GROUP INC COMMON STOCK USD.01 | | 2,537,592.06 | 0.011% | 95.572% |
| 1494 | WESCO AIRCRAFT HOLDINGS INC COMMON STOCK USD.001 | | 2,532,629.40 | 0.011% | 95.584% |
| 1495 | CHEFS WAREHOUSE INC/THE COMMON STOCK USD.01 | | 2,528,338.80 | 0.011% | 95.595% |
| 1496 | CORE MARK HOLDING CO INC COMMON STOCK USD.01 | | 2,526,717.00 | 0.011% | 95.606% |
| 1497 | MERIDIAN BANCORP INC COMMON STOCK | | 2,525,976.40 | 0.011% | 95.617% |
| 1498 | WILDHORSE RESOURCE DEVELOPME COMMON STOCK USD.01 | | 2,524,264.89 | 0.011% | 95.628% |
| 1499 | BROWN FORMAN CORP CLASS A COMMON STOCK USD.15 | | 2,522,080.12 | 0.011% | 95.640% |
| 1500 | SCHWEITZER MAUDUIT INTL INC COMMON STOCK USD.1 | | 2,500,015.05 | 0.011% | 95.651% |
| 1501 | WINNEBAGO INDUSTRIES COMMON STOCK USD.5 | | 2,490,870.06 | 0.011% | 95.662% |
| 1502 | LAREDO PETROLEUM INC COMMON STOCK USD.01 | | 2,488,232.34 | 0.011% | 95.673% |
| 1503 | LIONS GATE ENTERTAINMENT A COMMON STOCK NPV | | 2,486,580.60 | 0.011% | 95.684% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 1504 | SANGAMO THERAPEUTICS INC COMMON STOCK USD.01 | | 2,484,467.16 | 0.011% | 95.695% |
| 1505 | VECTOR GROUP LTD COMMON STOCK USD.1 | | 2,469,629.68 | 0.011% | 95.706% |
| 1506 | LUMINEX CORP COMMON STOCK USD.001 | | 2,465,051.26 | 0.011% | 95.717% |
| 1507 | DENNY S CORP COMMON STOCK USD.01 | | 2,461,601.97 | 0.011% | 95.727% |
| 1508 | ATHENE HOLDING LTD CLASS A COMMON STOCK | | 2,450,301.77 | 0.011% | 95.738% |
| 1509 | ADVANSIX INC COMMON STOCK USD.01 | | 2,448,579.66 | 0.011% | 95.749% |
| 1510 | STANDEX INTERNATIONAL CORP COMMON STOCK USD1.5 | | 2,447,098.68 | 0.011% | 95.760% |
| 1511 | 3D SYSTEMS CORP COMMON STOCK USD.001 | | 2,446,007.04 | 0.011% | 95.771% |
| 1512 | CLEARWAY ENERGY INC C COMMON STOCK | | 2,435,372.25 | 0.011% | 95.782% |
| 1513 | BRYN MAWR BANK CORP COMMON STOCK USD1.0 | | 2,426,816.80 | 0.011% | 95.792% |
| 1514 | ACORDA THERAPEUTICS INC COMMON STOCK USD.001 | | 2,422,596.52 | 0.011% | 95.803% |
| 1515 | ORITANI FINANCIAL CORP COMMON STOCK USD.01 | | 2,415,622.25 | 0.011% | 95.814% |
| 1516 | FIDELITY SOUTHERN CORP COMMON STOCK | | 2,409,530.06 | 0.011% | 95.825% |
| 1517 | VEONEER INC COMMON STOCK USD1.0 | | 2,403,503.61 | 0.011% | 95.835% |
| 1518 | SHUTTERSTOCK INC COMMON STOCK USD.01 | | 2,402,731.24 | 0.011% | 95.846% |
| 1519 | CONSOL ENERGY INC COMMON STOCK USD.01 | | 2,400,034.77 | 0.011% | 95.856% |
| 1520 | HALOZYME THERAPEUTICS INC COMMON STOCK USD.001 | | 2,399,173.70 | 0.011% | 95.867% |
| 1521 | SQUARE INC A COMMON STOCK USD.000001 | | 2,388,985.28 | 0.011% | 95.878% |
| 1522 | CRYOLIFE INC COMMON STOCK USD.01 | | 2,375,718.18 | 0.011% | 95.888% |
| 1523 | WAGeworks INC COMMON STOCK USD.001 | | 2,374,653.12 | 0.011% | 95.899% |
| 1524 | AMBARELLA INC COMMON STOCK USD.00045 | | 2,374,127.58 | 0.011% | 95.909% |
| 1525 | ACCO BRANDS CORP COMMON STOCK USD.01 | | 2,365,141.98 | 0.010% | 95.920% |
| 1526 | MERCER INTERNATIONAL INC COMMON STOCK USD1.0 | | 2,364,231.96 | 0.010% | 95.930% |
| 1527 | KELLY SERVICES INC A COMMON STOCK USD1.0 | | 2,353,131.52 | 0.010% | 95.941% |
| 1528 | ADIENT PLC COMMON STOCK USD.001 | | 2,349,781.68 | 0.010% | 95.951% |
| 1529 | OPUS BANK COMMON STOCK | | 2,348,566.74 | 0.010% | 95.961% |
| 1530 | ENLINK MIDSTREAM LLC COMMON STOCK USD.01 | | 2,348,205.60 | 0.010% | 95.972% |
| 1531 | ALAMO GROUP INC COMMON STOCK USD.1 | | 2,346,275.40 | 0.010% | 95.982% |
| 1532 | UNITED FINANCIAL BANCORP INC COMMON STOCK | | 2,341,930.50 | 0.010% | 95.993% |
| 1533 | TOOTSIE ROLL INDS COMMON STOCK USD.694 | | 2,339,402.80 | 0.010% | 96.003% |
| 1534 | BENCHMARK ELECTRONICS INC COMMON STOCK USD.1 | | 2,336,704.68 | 0.010% | 96.013% |
| 1535 | FRANK S INTERNATIONAL NV COMMON STOCK EUR.01 | | 2,335,689.00 | 0.010% | 96.024% |
| 1536 | UNITED INSURANCE HOLDINGS CO COMMON STOCK USD.0001 | | 2,334,129.42 | 0.010% | 96.034% |
| 1537 | ENCORE CAPITAL GROUP INC COMMON STOCK USD.01 | | 2,331,811.00 | 0.010% | 96.044% |
| 1538 | MULTI COLOR CORP COMMON STOCK | | 2,330,397.08 | 0.010% | 96.055% |
| 1539 | COMMUNITY TRUST BANCORP INC COMMON STOCK USD5.0 | | 2,319,680.43 | 0.010% | 96.065% |
| 1540 | LAKELAND BANCORP INC COMMON STOCK | | 2,316,831.97 | 0.010% | 96.075% |
| 1541 | CTS CORP COMMON STOCK | | 2,314,773.12 | 0.010% | 96.085% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1542 | ELDORADO RESORTS INC COMMON STOCK | | 2,306,721.84 | 0.010% | 96.096% |
| 1543 | US SILICA HOLDINGS INC COMMON STOCK USD.01 | | 2,305,454.42 | 0.010% | 96.106% |
| 1544 | US CONCRETE INC COMMON STOCK USD.001 | | 2,298,033.36 | 0.010% | 96.116% |
| 1545 | HYSTER YALE MATERIALS COMMON STOCK USD.01 | | 2,294,316.84 | 0.010% | 96.126% |
| 1546 | KRATON CORP COMMON STOCK USD.01 | | 2,285,556.00 | 0.010% | 96.136% |
| 1547 | MTS SYSTEMS CORP COMMON STOCK USD.25 | | 2,284,801.55 | 0.010% | 96.146% |
| 1548 | XENCOR INC COMMON STOCK USD.01 | | 2,281,840.64 | 0.010% | 96.157% |
| 1549 | WASHINGTON TRUST BANCORP COMMON STOCK USD.0625 | | 2,271,601.29 | 0.010% | 96.167% |
| 1550 | GREAT LAKES DREDGE + DOCK CO COMMON STOCK USD.0001 | | 2,269,024.86 | 0.010% | 96.177% |
| 1551 | GLU MOBILE INC COMMON STOCK USD.0001 | | 2,256,573.75 | 0.010% | 96.187% |
| 1552 | DIME COMMUNITY BANCSHARES COMMON STOCK USD.01 | | 2,255,860.92 | 0.010% | 96.197% |
| 1553 | ASTEC INDUSTRIES INC COMMON STOCK USD.2 | | 2,249,788.99 | 0.010% | 96.207% |
| 1554 | MARTEN TRANSPORT LTD COMMON STOCK USD.01 | | 2,249,438.60 | 0.010% | 96.217% |
| 1555 | NEW MEDIA INVESTMENT GROUP COMMON STOCK USD.01 | | 2,240,669.34 | 0.010% | 96.227% |
| 1556 | FLOOR + DECOR HOLDINGS INC A COMMON STOCK USD.001 | | 2,235,377.20 | 0.010% | 96.236% |
| 1557 | FARO TECHNOLOGIES INC COMMON STOCK USD.001 | | 2,230,688.96 | 0.010% | 96.246% |
| 1558 | EHEALTH INC COMMON STOCK USD.001 | | 2,230,165.74 | 0.010% | 96.256% |
| 1559 | ENVESTNET INC COMMON STOCK | | 2,224,076.66 | 0.010% | 96.266% |
| 1560 | GREAT SOUTHERN BANCORP INC COMMON STOCK USD.01 | | 2,213,168.43 | 0.010% | 96.276% |
| 1561 | SUPER MICRO COMPUTER INC COMMON STOCK USD.001 | | 2,212,098.60 | 0.010% | 96.286% |
| 1562 | SEACOR HOLDINGS INC COMMON STOCK USD.01 | | 2,210,787.00 | 0.010% | 96.295% |
| 1563 | VISTA OUTDOOR INC COMMON STOCK USD.01 | | 2,206,791.85 | 0.010% | 96.305% |
| 1564 | NOBLE CORP PLC COMMON STOCK USD.01 | | 2,205,348.32 | 0.010% | 96.315% |
| 1565 | NORTHFIELD BANCORP INC COMMON STOCK USD.01 | | 2,204,327.55 | 0.010% | 96.325% |
| 1566 | TRUSTCO BANK CORP NY COMMON STOCK USD1.0 | | 2,203,212.48 | 0.010% | 96.334% |
| 1567 | ADDUS HOMECARE CORP COMMON STOCK USD.001 | | 2,199,719.28 | 0.010% | 96.344% |
| 1568 | KIMBALL INTERNATIONAL B COMMON STOCK USD.05 | | 2,195,590.32 | 0.010% | 96.354% |
| 1569 | SNAP INC A COMMON STOCK USD.00001 | | 2,192,329.82 | 0.010% | 96.364% |
| 1570 | BANC OF CALIFORNIA INC COMMON STOCK USD.01 | | 2,189,282.04 | 0.010% | 96.373% |
| 1571 | TOWER INTERNATIONAL INC COMMON STOCK USD.01 | | 2,187,410.40 | 0.010% | 96.383% |
| 1572 | MIDDLESEX WATER CO COMMON STOCK | | 2,185,269.35 | 0.010% | 96.393% |
| 1573 | AMNEAL PHARMACEUTICALS INC COMMON STOCK USD.01 | | 2,176,192.26 | 0.010% | 96.402% |
| 1574 | WISDOMTREE INVESTMENTS INC COMMON STOCK USD.01 | | 2,176,172.60 | 0.010% | 96.412% |
| 1575 | NANOMETRICS INC COMMON STOCK | | 2,175,522.66 | 0.010% | 96.422% |
| 1576 | REGIS CORP COMMON STOCK USD.05 | | 2,152,175.40 | 0.010% | 96.431% |
| 1577 | WORKDAY INC CLASS A COMMON STOCK USD.001 | | 2,139,712.00 | 0.009% | 96.441% |
| 1578 | NATIONAL PRESTO INDS INC COMMON STOCK USD1.0 | | 2,135,309.96 | 0.009% | 96.450% |
| 1579 | QUOTIENT TECHNOLOGY INC COMMON STOCK USD.00001 | | 2,132,443.56 | 0.009% | 96.460% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 1580 | NABORS INDUSTRIES LTD COMMON STOCK USD.001 | | 2,132,354.00 | 0.009% | 96.469% |
| 1581 | SP PLUS CORP COMMON STOCK USD.001 | | 2,122,980.72 | 0.009% | 96.478% |
| 1582 | RUDOLPH TECHNOLOGIES INC COMMON STOCK USD.001 | | 2,122,677.59 | 0.009% | 96.488% |
| 1583 | C+J ENERGY SERVICES INC COMMON STOCK | | 2,119,216.50 | 0.009% | 96.497% |
| 1584 | NEWPARK RESOURCES INC COMMON STOCK USD.01 | | 2,119,024.02 | 0.009% | 96.507% |
| 1585 | PITNEY BOWES INC COMMON STOCK USD1.0 | | 2,116,908.81 | 0.009% | 96.516% |
| 1586 | EXTERRAN CORP COMMON STOCK USD.01 | | 2,112,441.90 | 0.009% | 96.525% |
| 1587 | LATTICE SEMICONDUCTOR CORP COMMON STOCK USD.01 | | 2,111,375.04 | 0.009% | 96.535% |
| 1588 | SKYLINE CHAMPION CORP COMMON STOCK USD.028 | | 2,108,059.07 | 0.009% | 96.544% |
| 1589 | MERIDIAN BIOSCIENCE INC COMMON STOCK | | 2,102,782.08 | 0.009% | 96.553% |
| 1590 | AMERICA S CAR MART INC COMMON STOCK USD.01 | | 2,101,412.25 | 0.009% | 96.563% |
| 1591 | SPS COMMERCE INC COMMON STOCK USD.001 | | 2,099,783.82 | 0.009% | 96.572% |
| 1592 | INPHI CORP COMMON STOCK | | 2,096,887.30 | 0.009% | 96.581% |
| 1593 | EXACT SCIENCES CORP COMMON STOCK USD.01 | | 2,092,774.60 | 0.009% | 96.591% |
| 1594 | DELPHI TECHNOLOGIES PLC COMMON STOCK USD.01 | | 2,078,977.60 | 0.009% | 96.600% |
| 1595 | MOELIS + CO CLASS A COMMON STOCK USD.01 | | 2,078,614.80 | 0.009% | 96.609% |
| 1596 | FLUSHING FINANCIAL CORP COMMON STOCK USD.01 | | 2,078,075.60 | 0.009% | 96.618% |
| 1597 | NEKTAR THERAPEUTICS COMMON STOCK USD.0001 | | 2,072,749.33 | 0.009% | 96.627% |
| 1598 | UNIVEST FINANCIAL CORP COMMON STOCK USD5.0 | | 2,067,851.19 | 0.009% | 96.636% |
| 1599 | PAR PACIFIC HOLDINGS INC COMMON STOCK USD.01 | | 2,066,153.62 | 0.009% | 96.646% |
| 1600 | CASS INFORMATION SYSTEMS INC COMMON STOCK USD.5 | | 2,062,451.16 | 0.009% | 96.655% |
| 1601 | CONNECTICUT WATER SVC INC COMMON STOCK | | 2,053,510.83 | 0.009% | 96.664% |
| 1602 | CENTURY ALUMINUM COMPANY COMMON STOCK USD.01 | | 2,047,340.94 | 0.009% | 96.673% |
| 1603 | GREEN PLAINS INC COMMON STOCK USD.001 | | 2,046,274.35 | 0.009% | 96.682% |
| 1604 | AMPHASTAR PHARMACEUTICALS IN COMMON STOCK USD.0001 | | 2,039,570.90 | 0.009% | 96.691% |
| 1605 | GLOBANT SA COMMON STOCK USD1.2 | | 2,037,263.36 | 0.009% | 96.700% |
| 1606 | SURMODICS INC COMMON STOCK USD.05 | | 2,034,637.52 | 0.009% | 96.709% |
| 1607 | STOCK YARDS BANCORP INC COMMON STOCK | | 2,030,549.60 | 0.009% | 96.718% |
| 1608 | SCHNITZER STEEL INDS INC A COMMON STOCK USD1.0 | | 2,030,484.10 | 0.009% | 96.727% |
| 1609 | QUAD GRAPHICS INC COMMON STOCK USD.025 | | 2,030,372.96 | 0.009% | 96.736% |
| 1610 | HANMI FINANCIAL CORPORATION COMMON STOCK USD.001 | | 2,025,869.20 | 0.009% | 96.745% |
| 1611 | SPARTANNASH CO COMMON STOCK | | 2,015,746.58 | 0.009% | 96.754% |
| 1612 | BLUCORA INC COMMON STOCK USD.0001 | | 2,011,506.48 | 0.009% | 96.763% |
| 1613 | HEIDRICK + STRUGGLES INTL COMMON STOCK USD.01 | | 2,008,230.53 | 0.009% | 96.772% |
| 1614 | ENANTA PHARMACEUTICALS INC COMMON STOCK USD.01 | | 2,000,451.69 | 0.009% | 96.781% |
| 1615 | SHAKE SHACK INC CLASS A COMMON STOCK USD.01 | | 1,989,713.94 | 0.009% | 96.789% |
| 1616 | NCI BUILDING SYSTEMS INC COMMON STOCK USD.01 | | 1,980,605.75 | 0.009% | 96.798% |
| 1617 | TRIUMPH GROUP INC COMMON STOCK USD.001 | | 1,965,798.50 | 0.009% | 96.807% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1618 | UNITIL CORP COMMON STOCK | | 1,964,882.64 | 0.009% | 96.816% |
| 1619 | GMS INC COMMON STOCK USD.01 | | 1,959,766.52 | 0.009% | 96.824% |
| 1620 | SCIENTIFIC GAMES CORP COMMON STOCK USD.001 | | 1,955,732.28 | 0.009% | 96.833% |
| 1621 | MYERS INDUSTRIES INC COMMON STOCK | | 1,948,419.39 | 0.009% | 96.842% |
| 1622 | RETROPHIN INC COMMON STOCK USD.0001 | | 1,946,270.52 | 0.009% | 96.850% |
| 1623 | CONN S INC COMMON STOCK USD.01 | | 1,944,862.06 | 0.009% | 96.859% |
| 1624 | ALKERMES PLC COMMON STOCK USD.01 | | 1,944,236.84 | 0.009% | 96.867% |
| 1625 | AUDENTES THERAPEUTICS INC COMMON STOCK USD.00001 | | 1,939,650.96 | 0.009% | 96.876% |
| 1626 | PC CONNECTION INC COMMON STOCK USD.01 | | 1,932,122.97 | 0.009% | 96.885% |
| 1627 | CALIX INC COMMON STOCK | | 1,929,495.75 | 0.009% | 96.893% |
| 1628 | GREENHILL + CO INC COMMON STOCK USD.01 | | 1,923,354.40 | 0.009% | 96.902% |
| 1629 | RE/MAX HOLDINGS INC CL A COMMON STOCK USD.0001 | | 1,922,397.75 | 0.009% | 96.910% |
| 1630 | CONNECTONE BANCORP INC COMMON STOCK | | 1,921,766.56 | 0.009% | 96.919% |
| 1631 | IONIS PHARMACEUTICALS INC COMMON STOCK USD.001 | | 1,915,886.40 | 0.008% | 96.927% |
| 1632 | STURM RUGER + CO INC COMMON STOCK USD1.0 | | 1,913,312.22 | 0.008% | 96.936% |
| 1633 | CSW INDUSTRIALS INC COMMON STOCK USD.01 | | 1,913,257.85 | 0.008% | 96.944% |
| 1634 | COLUMBUS MCKINNON CORP/NY COMMON STOCK USD.01 | | 1,910,062.22 | 0.008% | 96.953% |
| 1635 | JOHN B. SANFILIPPO + SON INC COMMON STOCK USD.01 | | 1,900,566.36 | 0.008% | 96.961% |
| 1636 | SPEEDWAY MOTORSPORTS INC COMMON STOCK USD.01 | | 1,896,886.76 | 0.008% | 96.969% |
| 1637 | TRUECAR INC COMMON STOCK USD.0001 | | 1,889,916.00 | 0.008% | 96.978% |
| 1638 | PEOPLES BANCORP INC COMMON STOCK | | 1,882,965.70 | 0.008% | 96.986% |
| 1639 | HACKETT GROUP INC/THE COMMON STOCK USD.001 | | 1,881,719.34 | 0.008% | 96.994% |
| 1640 | CAROLINA FINANCIAL CORP COMMON STOCK | | 1,878,225.25 | 0.008% | 97.003% |
| 1641 | NIC INC COMMON STOCK | | 1,873,185.60 | 0.008% | 97.011% |
| 1642 | ELLIE MAE INC COMMON STOCK USD.0001 | | 1,866,365.15 | 0.008% | 97.019% |
| 1643 | HEALTHSTREAM INC COMMON STOCK | | 1,863,993.60 | 0.008% | 97.028% |
| 1644 | THERMON GROUP HOLDINGS INC COMMON STOCK USD.001 | | 1,863,245.28 | 0.008% | 97.036% |
| 1645 | SAREPTA THERAPEUTICS INC COMMON STOCK USD.0001 | | 1,860,557.37 | 0.008% | 97.044% |
| 1646 | SEACOAST BANKING CORP/FL COMMON STOCK USD.1 | | 1,858,816.76 | 0.008% | 97.052% |
| 1647 | BOJANGLES INC COMMON STOCK USD.01 | | 1,852,978.80 | 0.008% | 97.061% |
| 1648 | MATRIX SERVICE CO COMMON STOCK USD.01 | | 1,851,964.14 | 0.008% | 97.069% |
| 1649 | LANTHEUS HOLDINGS INC COMMON STOCK USD.01 | | 1,848,969.25 | 0.008% | 97.077% |
| 1650 | ECHO GLOBAL LOGISTICS INC COMMON STOCK USD.0001 | | 1,846,024.99 | 0.008% | 97.085% |
| 1651 | SYSTEMAX INC COMMON STOCK USD.01 | | 1,839,625.56 | 0.008% | 97.093% |
| 1652 | AXCELIS TECHNOLOGIES INC COMMON STOCK USD.001 | | 1,836,746.40 | 0.008% | 97.101% |
| 1653 | SCORPIO TANKERS INC COMMON STOCK USD.01 | | 1,823,071.36 | 0.008% | 97.110% |
| 1654 | VIRTUS INVESTMENT PARTNERS COMMON STOCK USD.01 | | 1,820,773.89 | 0.008% | 97.118% |
| 1655 | ASTRONICS CORP COMMON STOCK USD.01 | | 1,818,656.70 | 0.008% | 97.126% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1656 | GLOBAL BRASS + COPPER HOLDIN COMMON STOCK USD.01 | | 1,817,037.20 | 0.008% | 97.134% |
| 1657 | CAMDEN NATIONAL CORP COMMON STOCK | | 1,814,326.80 | 0.008% | 97.142% |
| 1658 | CARBONITE INC COMMON STOCK USD.01 | | 1,814,248.98 | 0.008% | 97.150% |
| 1659 | META FINANCIAL GROUP INC COMMON STOCK USD.01 | | 1,813,100.73 | 0.008% | 97.158% |
| 1660 | GREEN BANCORP INC COMMON STOCK USD.01 | | 1,813,069.20 | 0.008% | 97.166% |
| 1661 | TALOS ENERGY INC COMMON STOCK | | 1,811,895.36 | 0.008% | 97.174% |
| 1662 | CUSTOMERS BANCORP INC COMMON STOCK USD1.0 | | 1,809,171.00 | 0.008% | 97.182% |
| 1663 | SCANA CORP COMMON STOCK | | 1,806,514.02 | 0.008% | 97.190% |
| 1664 | TRISTATE CAPITAL HLDGS INC COMMON STOCK | | 1,802,248.98 | 0.008% | 97.198% |
| 1665 | NV5 GLOBAL INC COMMON STOCK USD.01 | | 1,801,483.60 | 0.008% | 97.206% |
| 1666 | PENNYMAC FINANCIAL SERVICES COMMON STOCK USD.0001 | | 1,800,381.84 | 0.008% | 97.214% |
| 1667 | MYR GROUP INC/DELAWARE COMMON STOCK USD.01 | | 1,795,161.42 | 0.008% | 97.222% |
| 1668 | MOMENTA PHARMACEUTICALS INC COMMON STOCK USD.0001 | | 1,786,636.32 | 0.008% | 97.230% |
| 1669 | LUXOFT HOLDING INC COMMON STOCK | | 1,783,372.50 | 0.008% | 97.238% |
| 1670 | VMWARE INC CLASS A COMMON STOCK USD.01 | | 1,779,673.14 | 0.008% | 97.245% |
| 1671 | BARNES + NOBLE INC COMMON STOCK USD.001 | | 1,770,840.94 | 0.008% | 97.253% |
| 1672 | INSTEEL INDUSTRIES INC COMMON STOCK | | 1,768,312.40 | 0.008% | 97.261% |
| 1673 | FORRESTER RESEARCH INC COMMON STOCK USD.01 | | 1,767,303.90 | 0.008% | 97.269% |
| 1674 | JOHNSON OUTDOORS INC A COMMON STOCK USD.05 | | 1,756,737.18 | 0.008% | 97.277% |
| 1675 | FEDERAL AGRIC MTG CORP CL C COMMON STOCK USD1.0 | | 1,756,084.20 | 0.008% | 97.285% |
| 1676 | INFINERA CORP COMMON STOCK USD.001 | | 1,751,191.05 | 0.008% | 97.292% |
| 1677 | STATE BANK FINANCIAL CORP COMMON STOCK USD.01 | | 1,747,667.32 | 0.008% | 97.300% |
| 1678 | RAYONIER ADVANCED MATERIALS COMMON STOCK USD.01 | | 1,741,967.25 | 0.008% | 97.308% |
| 1679 | ALLIED MOTION TECHNOLOGIES COMMON STOCK | | 1,735,893.67 | 0.008% | 97.315% |
| 1680 | MOVADO GROUP INC COMMON STOCK USD.01 | | 1,734,989.40 | 0.008% | 97.323% |
| 1681 | PREFERRED BANK/LOS ANGELES COMMON STOCK | | 1,723,726.05 | 0.008% | 97.331% |
| 1682 | INTL FCSTONE INC COMMON STOCK USD.01 | | 1,714,248.54 | 0.008% | 97.338% |
| 1683 | ANGIODYNAMICS INC COMMON STOCK USD.01 | | 1,713,888.33 | 0.008% | 97.346% |
| 1684 | TRONOX LTD CL A COMMON STOCK USD.01 | | 1,706,247.36 | 0.008% | 97.353% |
| 1685 | CENTURY COMMUNITIES INC COMMON STOCK USD.01 | | 1,702,371.06 | 0.008% | 97.361% |
| 1686 | ANI PHARMACEUTICALS INC COMMON STOCK USD.0001 | | 1,701,485.88 | 0.008% | 97.369% |
| 1687 | MODINE MANUFACTURING CO COMMON STOCK USD.625 | | 1,700,358.95 | 0.008% | 97.376% |
| 1688 | VANDA PHARMACEUTICALS INC COMMON STOCK USD.001 | | 1,699,521.33 | 0.008% | 97.384% |
| 1689 | DONNELLEY FINANCIAL SOLUTION COMMON STOCK USD.01 | | 1,697,181.04 | 0.008% | 97.391% |
| 1690 | LIVE OAK BANCSHARES INC COMMON STOCK NPV | | 1,693,508.69 | 0.008% | 97.399% |
| 1691 | ADTRAN INC COMMON STOCK USD.01 | | 1,686,201.48 | 0.007% | 97.406% |
| 1692 | MANITOWOC COMPANY INC COMMON STOCK USD.01 | | 1,683,839.08 | 0.007% | 97.414% |
| 1693 | RENT A CENTER INC COMMON STOCK USD.01 | | 1,676,215.46 | 0.007% | 97.421% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1694 | INDEPENDENT BANK CORP MICH COMMON STOCK USD1.0 | | 1,666,822.94 | 0.007% | 97.428% |
| 1695 | MEDIDATA SOLUTIONS INC COMMON STOCK USD.01 | | 1,664,599.80 | 0.007% | 97.436% |
| 1696 | FIRST COMMUNITY BANKSHARES COMMON STOCK USD1.0 | | 1,662,521.76 | 0.007% | 97.443% |
| 1697 | HORIZON BANCORP INC/IN COMMON STOCK | | 1,657,184.04 | 0.007% | 97.450% |
| 1698 | PHIBRO ANIMAL HEALTH CORP A COMMON STOCK USD.001 | | 1,655,210.88 | 0.007% | 97.458% |
| 1699 | AMC ENTERTAINMENT HLDS CL A COMMON STOCK USD.01 | | 1,651,831.92 | 0.007% | 97.465% |
| 1700 | DIAMOND HILL INVESTMENT GRP COMMON STOCK | | 1,649,180.75 | 0.007% | 97.472% |
| 1701 | ASCENA RETAIL GROUP INC COMMON STOCK USD.01 | | 1,648,116.20 | 0.007% | 97.480% |
| 1702 | SELECT ENERGY SERVICES INC A COMMON STOCK USD.01 | | 1,645,443.60 | 0.007% | 97.487% |
| 1703 | GERMAN AMERICAN BANCORP COMMON STOCK | | 1,643,289.75 | 0.007% | 97.494% |
| 1704 | REVLON INC CLASS A COMMON STOCK USD.01 | | 1,637,350.00 | 0.007% | 97.502% |
| 1705 | FUTUREFUEL CORP COMMON STOCK USD.0001 | | 1,630,978.96 | 0.007% | 97.509% |
| 1706 | CAI INTERNATIONAL INC COMMON STOCK USD.0001 | | 1,630,862.15 | 0.007% | 97.516% |
| 1707 | HCI GROUP INC COMMON STOCK | | 1,627,952.40 | 0.007% | 97.523% |
| 1708 | BOYD GAMING CORP COMMON STOCK USD.01 | | 1,620,362.06 | 0.007% | 97.530% |
| 1709 | RIBBON COMMUNICATIONS INC COMMON STOCK USD.001 | | 1,616,261.68 | 0.007% | 97.538% |
| 1710 | UNIFI INC COMMON STOCK USD.1 | | 1,609,945.92 | 0.007% | 97.545% |
| 1711 | PACIRA PHARMACEUTICALS INC COMMON STOCK USD.001 | | 1,608,732.90 | 0.007% | 97.552% |
| 1712 | ZUMIEZ INC COMMON STOCK | | 1,608,401.34 | 0.007% | 97.559% |
| 1713 | VICOR CORP COMMON STOCK USD.01 | | 1,605,432.57 | 0.007% | 97.566% |
| 1714 | BOOT BARN HOLDINGS INC COMMON STOCK | | 1,601,961.01 | 0.007% | 97.573% |
| 1715 | INTERNATIONAL SEAWAYS INC COMMON STOCK | | 1,597,105.60 | 0.007% | 97.580% |
| 1716 | UNITED COMMUNITY FINANCIAL COMMON STOCK | | 1,597,044.45 | 0.007% | 97.587% |
| 1717 | ENNIS INC COMMON STOCK USD2.5 | | 1,596,922.25 | 0.007% | 97.594% |
| 1718 | BRIGHTHOUSE FINANCIAL INC COMMON STOCK USD.01 | | 1,595,445.12 | 0.007% | 97.601% |
| 1719 | PEAPACK GLADSTONE FINL CORP COMMON STOCK | | 1,593,793.28 | 0.007% | 97.608% |
| 1720 | IDT CORP CLASS B COMMON STOCK USD.01 | | 1,589,480.58 | 0.007% | 97.616% |
| 1721 | QUANEX BUILDING PRODUCTS COMMON STOCK USD.01 | | 1,587,053.79 | 0.007% | 97.623% |
| 1722 | MARINEMAX INC COMMON STOCK USD.001 | | 1,586,689.67 | 0.007% | 97.630% |
| 1723 | HAMILTON LANE INC CLASS A COMMON STOCK | | 1,570,761.00 | 0.007% | 97.637% |
| 1724 | HERITAGE COMMERCE CORP COMMON STOCK | | 1,568,185.92 | 0.007% | 97.644% |
| 1725 | KLX ENERGY SERVICES HOLDING COMMON STOCK USD.01 | | 1,567,398.00 | 0.007% | 97.650% |
| 1726 | UNITED NATURAL FOODS INC COMMON STOCK USD.01 | | 1,560,849.51 | 0.007% | 97.657% |
| 1727 | DHI GROUP INC COMMON STOCK USD.01 | | 1,560,112.80 | 0.007% | 97.664% |
| 1728 | WATERSTONE FINANCIAL INC COMMON STOCK USD.01 | | 1,559,367.16 | 0.007% | 97.671% |
| 1729 | FIRST DEFIANCE FINL CORP COMMON STOCK USD.01 | | 1,556,703.63 | 0.007% | 97.678% |
| 1730 | M/I HOMES INC COMMON STOCK USD.01 | | 1,553,525.14 | 0.007% | 97.685% |
| 1731 | INNOPHOS HOLDINGS INC COMMON STOCK USD.001 | | 1,549,977.11 | 0.007% | 97.692% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 1732 | ESSENDANT INC COMMON STOCK USD.1 | | 1,548,396.72 | 0.007% | 97.699% |
| 1733 | GUARANTY BANCORP COMMON STOCK USD.001 | | 1,548,199.00 | 0.007% | 97.706% |
| 1734 | FIRST FOUNDATION INC COMMON STOCK USD.001 | | 1,543,122.84 | 0.007% | 97.712% |
| 1735 | TRIPLE S MANAGEMENT CORP B COMMON STOCK USD1.0 | | 1,531,589.47 | 0.007% | 97.719% |
| 1736 | EXTRACTION OIL + GAS INC COMMON STOCK | | 1,528,737.21 | 0.007% | 97.726% |
| 1737 | DXP ENTERPRISES INC COMMON STOCK USD.01 | | 1,528,722.24 | 0.007% | 97.733% |
| 1738 | TAILORED BRANDS INC COMMON STOCK USD.01 | | 1,521,037.32 | 0.007% | 97.739% |
| 1739 | GRIFFON CORP COMMON STOCK USD.25 | | 1,519,325.50 | 0.007% | 97.746% |
| 1740 | INGLES MARKETS INC CLASS A COMMON STOCK USD.05 | | 1,511,717.14 | 0.007% | 97.753% |
| 1741 | J.C. PENNEY CO INC COMMON STOCK USD.5 | | 1,509,076.40 | 0.007% | 97.760% |
| 1742 | COMSCORE INC COMMON STOCK USD.001 | | 1,508,036.01 | 0.007% | 97.766% |
| 1743 | AMERICAN PUBLIC EDUCATION COMMON STOCK USD.01 | | 1,506,985.46 | 0.007% | 97.773% |
| 1744 | HARMONIC INC COMMON STOCK USD.001 | | 1,505,123.04 | 0.007% | 97.780% |
| 1745 | LIBERTY MEDIA CORP LIBERTY C TRACKING STK USD.01 | | 1,498,743.30 | 0.007% | 97.786% |
| 1746 | BANCORP INC/THE COMMON STOCK USD1.0 | | 1,498,581.44 | 0.007% | 97.793% |
| 1747 | ANIKA THERAPEUTICS INC COMMON STOCK USD.01 | | 1,496,216.37 | 0.007% | 97.799% |
| 1748 | REALNETWORKS INC COMMON STOCK USD.001 | | 1,495,145.19 | 0.007% | 97.806% |
| 1749 | ETHAN ALLEN INTERIORS INC COMMON STOCK USD.01 | | 1,494,358.45 | 0.007% | 97.813% |
| 1750 | LSB INDUSTRIES INC COMMON STOCK USD.1 | | 1,490,692.56 | 0.007% | 97.819% |
| 1751 | CARROLS RESTAURANT GROUP INC COMMON STOCK USD.01 | | 1,487,443.92 | 0.007% | 97.826% |
| 1752 | CHURCHILL DOWNS INC COMMON STOCK | | 1,480,227.92 | 0.007% | 97.832% |
| 1753 | ORASURE TECHNOLOGIES INC COMMON STOCK USD.000001 | | 1,479,622.40 | 0.007% | 97.839% |
| 1754 | TEXTAINER GROUP HOLDINGS LTD COMMON STOCK USD.01 | | 1,478,213.40 | 0.007% | 97.846% |
| 1755 | FORUM ENERGY TECHNOLOGIES IN COMMON STOCK USD.01 | | 1,476,429.57 | 0.007% | 97.852% |
| 1756 | ARCBEST CORP COMMON STOCK USD.01 | | 1,467,938.22 | 0.007% | 97.859% |
| 1757 | COMMVault SYSTEMS INC COMMON STOCK USD.01 | | 1,462,891.13 | 0.006% | 97.865% |
| 1758 | AEGION CORP COMMON STOCK USD.01 | | 1,462,141.44 | 0.006% | 97.872% |
| 1759 | AMICUS THERAPEUTICS INC COMMON STOCK USD.01 | | 1,456,370.76 | 0.006% | 97.878% |
| 1760 | EZCORP INC CL A COMMON STOCK USD.01 | | 1,454,886.49 | 0.006% | 97.884% |
| 1761 | MESA LABORATORIES INC COMMON STOCK | | 1,446,018.21 | 0.006% | 97.891% |
| 1762 | RESOURCES CONNECTION INC COMMON STOCK USD.01 | | 1,445,858.20 | 0.006% | 97.897% |
| 1763 | NATIONAL RESEARCH CORP COMMON STOCK USD.001 | | 1,443,293.88 | 0.006% | 97.904% |
| 1764 | CACTUS INC A COMMON STOCK USD.01 | | 1,442,560.89 | 0.006% | 97.910% |
| 1765 | 1 800 FLOWERS.COM INC CL A COMMON STOCK USD.01 | | 1,425,981.31 | 0.006% | 97.916% |
| 1766 | PDL BIOPHARMA INC COMMON STOCK USD.01 | | 1,421,089.90 | 0.006% | 97.923% |
| 1767 | MIRATI THERAPEUTICS INC COMMON STOCK | | 1,421,027.58 | 0.006% | 97.929% |
| 1768 | PENN VIRGINIA CORP COMMON STOCK | | 1,419,183.12 | 0.006% | 97.935% |
| 1769 | BONANZA CREEK ENERGY INC COMMON STOCK | | 1,413,869.34 | 0.006% | 97.942% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1770 | CIRCOR INTERNATIONAL INC COMMON STOCK USD.01 | | 1,411,465.80 | 0.006% | 97.948% |
| 1771 | HAWKINS INC COMMON STOCK USD.05 | | 1,408,925.70 | 0.006% | 97.954% |
| 1772 | SHOE CARNIVAL INC COMMON STOCK USD.01 | | 1,408,090.20 | 0.006% | 97.960% |
| 1773 | CENTRAL PACIFIC FINANCIAL CO COMMON STOCK | | 1,402,584.35 | 0.006% | 97.966% |
| 1774 | DMC GLOBAL INC COMMON STOCK USD.05 | | 1,395,844.40 | 0.006% | 97.973% |
| 1775 | AK STEEL HOLDING CORP COMMON STOCK USD.01 | | 1,392,741.00 | 0.006% | 97.979% |
| 1776 | TIMKENSTEEL CORP COMMON STOCK | | 1,389,651.26 | 0.006% | 97.985% |
| 1777 | ORBCOMM INC COMMON STOCK USD.001 | | 1,386,127.12 | 0.006% | 97.991% |
| 1778 | HIGHPOINT RESOURCES CORP COMMON STOCK USD.001 | | 1,385,157.12 | 0.006% | 97.997% |
| 1779 | REPUBLIC BANCORP INC CLASS A COMMON STOCK | | 1,376,960.64 | 0.006% | 98.003% |
| 1780 | TEJON RANCH CO COMMON STOCK USD.5 | | 1,374,067.50 | 0.006% | 98.009% |
| 1781 | HERITAGE CRYSTAL CLEAN INC COMMON STOCK USD.01 | | 1,370,981.82 | 0.006% | 98.016% |
| 1782 | INSMED INC COMMON STOCK USD.01 | | 1,369,832.96 | 0.006% | 98.022% |
| 1783 | ATLISSIAN CORP PLC CLASS A COMMON STOCK USD.1 | | 1,360,237.26 | 0.006% | 98.028% |
| 1784 | MONOTYPE IMAGING HOLDINGS IN COMMON STOCK USD.001 | | 1,360,219.36 | 0.006% | 98.034% |
| 1785 | RESOLUTE FOREST PRODUCTS COMMON STOCK USD.001 | | 1,357,830.11 | 0.006% | 98.040% |
| 1786 | MISTRAS GROUP INC COMMON STOCK USD.01 | | 1,350,008.78 | 0.006% | 98.046% |
| 1787 | GREIF INC CL B COMMON STOCK | | 1,347,451.20 | 0.006% | 98.052% |
| 1788 | NORTHERN OIL AND GAS INC COMMON STOCK USD.001 | | 1,338,620.60 | 0.006% | 98.058% |
| 1789 | OKTA INC COMMON STOCK | | 1,336,482.40 | 0.006% | 98.063% |
| 1790 | FINANCIAL INSTITUTIONS INC COMMON STOCK USD.01 | | 1,329,229.70 | 0.006% | 98.069% |
| 1791 | VERITIV CORP COMMON STOCK USD.01 | | 1,327,929.57 | 0.006% | 98.075% |
| 1792 | MACOM TECHNOLOGY SOLUTIONS H COMMON STOCK USD.001 | | 1,318,146.44 | 0.006% | 98.081% |
| 1793 | KOPPERS HOLDINGS INC COMMON STOCK USD.01 | | 1,317,055.68 | 0.006% | 98.087% |
| 1794 | INTRA CELLULAR THERAPIES INC COMMON STOCK USD.0001 | | 1,313,540.36 | 0.006% | 98.093% |
| 1795 | INTERNATIONAL GAME TECHNOLOG COMMON STOCK USD.1 | | 1,304,249.87 | 0.006% | 98.099% |
| 1796 | GLOBAL INDEMNITY LTD COMMON STOCK USD.0001 | | 1,304,062.62 | 0.006% | 98.104% |
| 1797 | LENNAR CORP B SHS COMMON STOCK USD.1 | | 1,299,223.77 | 0.006% | 98.110% |
| 1798 | FRP HOLDINGS INC COMMON STOCK USD.1 | | 1,293,019.03 | 0.006% | 98.116% |
| 1799 | UNISYS CORP COMMON STOCK USD.01 | | 1,291,697.58 | 0.006% | 98.121% |
| 1800 | BARRETT BUSINESS SVCS INC COMMON STOCK USD.01 | | 1,289,785.25 | 0.006% | 98.127% |
| 1801 | CENTRAL GARDEN + PET CO COMMON STOCK USD.01 | | 1,288,498.90 | 0.006% | 98.133% |
| 1802 | EMC INS GROUP INC COMMON STOCK USD1.0 | | 1,251,099.85 | 0.006% | 98.138% |
| 1803 | SYNCHRONOSS TECHNOLOGIES INC COMMON STOCK USD.0001 | | 1,249,189.14 | 0.006% | 98.144% |
| 1804 | INSULET CORP COMMON STOCK USD.001 | | 1,244,768.76 | 0.006% | 98.150% |
| 1805 | EL POLLO LOCO HOLDINGS INC COMMON STOCK USD.01 | | 1,242,832.59 | 0.006% | 98.155% |
| 1806 | ARROW FINANCIAL CORP COMMON STOCK USD1.0 | | 1,240,422.78 | 0.005% | 98.161% |
| 1807 | HAVERTY FURNITURE COMMON STOCK USD1.0 | | 1,235,554.98 | 0.005% | 98.166% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1808 | WINMARK CORP COMMON STOCK | | 1,231,932.00 | 0.005% | 98.171% |
| 1809 | AMERICAN VANGUARD CORP COMMON STOCK USD.1 | | 1,230,678.61 | 0.005% | 98.177% |
| 1810 | OWENS + MINOR INC COMMON STOCK USD2.0 | | 1,230,564.66 | 0.005% | 98.182% |
| 1811 | LEMAITRE VASCULAR INC COMMON STOCK USD.01 | | 1,227,743.40 | 0.005% | 98.188% |
| 1812 | ARMSTRONG FLOORING INC COMMON STOCK USD.0001 | | 1,221,615.68 | 0.005% | 98.193% |
| 1813 | PTC THERAPEUTICS INC COMMON STOCK USD.001 | | 1,221,345.84 | 0.005% | 98.199% |
| 1814 | PJT PARTNERS INC A COMMON STOCK | | 1,220,203.56 | 0.005% | 98.204% |
| 1815 | PARK OHIO HOLDINGS CORP COMMON STOCK USD1.0 | | 1,220,080.95 | 0.005% | 98.209% |
| 1816 | FRANKLIN FINANCIAL NETWORK COMMON STOCK | | 1,216,975.50 | 0.005% | 98.215% |
| 1817 | VITAMIN SHOPPE INC COMMON STOCK USD.01 | | 1,215,563.52 | 0.005% | 98.220% |
| 1818 | HOMESTREET INC COMMON STOCK | | 1,214,738.14 | 0.005% | 98.226% |
| 1819 | HANGER INC COMMON STOCK USD.01 | | 1,208,801.55 | 0.005% | 98.231% |
| 1820 | TREDEGAR CORP COMMON STOCK | | 1,190,848.10 | 0.005% | 98.236% |
| 1821 | PRIMO WATER CORP COMMON STOCK | | 1,188,440.28 | 0.005% | 98.241% |
| 1822 | PC TEL INC COMMON STOCK USD.001 | | 1,186,987.23 | 0.005% | 98.247% |
| 1823 | ATLANTIC CAPITAL BANCSHARES COMMON STOCK | | 1,186,219.31 | 0.005% | 98.252% |
| 1824 | W+T OFFSHORE INC COMMON STOCK USD.00001 | | 1,186,193.32 | 0.005% | 98.257% |
| 1825 | AGIOS PHARMACEUTICALS INC COMMON STOCK USD.001 | | 1,183,597.59 | 0.005% | 98.262% |
| 1826 | ASTRONICS CORP CL B COMMON STOCK USD.01 | | 1,182,553.67 | 0.005% | 98.268% |
| 1827 | CONTROL4 CORP COMMON STOCK USD.0001 | | 1,173,251.20 | 0.005% | 98.273% |
| 1828 | NAUTILUS INC COMMON STOCK | | 1,170,834.40 | 0.005% | 98.278% |
| 1829 | SIERRA BANCORP COMMON STOCK | | 1,169,107.56 | 0.005% | 98.283% |
| 1830 | RESIDEO TECHNOLOGIES INC COMMON STOCK USD.001 | | 1,168,431.90 | 0.005% | 98.288% |
| 1831 | DECIPHERA PHARMACEUTICALS IN COMMON STOCK USD.01 | | 1,168,408.35 | 0.005% | 98.294% |
| 1832 | QUANTENNA COMMUNICATIONS INC COMMON STOCK USD.0001 | | 1,160,972.40 | 0.005% | 98.299% |
| 1833 | ICHOR HOLDINGS LTD COMMON STOCK USD.0001 | | 1,160,560.00 | 0.005% | 98.304% |
| 1834 | PIONEER ENERGY SERVICES CORP COMMON STOCK USD.1 | | 1,159,541.91 | 0.005% | 98.309% |
| 1835 | SAGE THERAPEUTICS INC COMMON STOCK USD.0001 | | 1,154,269.50 | 0.005% | 98.314% |
| 1836 | KARYOPHARM THERAPEUTICS INC COMMON STOCK USD.0001 | | 1,144,985.89 | 0.005% | 98.319% |
| 1837 | CLEARWAY ENERGY INC A COMMON STOCK USD.01 | | 1,142,692.20 | 0.005% | 98.324% |
| 1838 | VEECO INSTRUMENTS INC COMMON STOCK USD.01 | | 1,141,177.05 | 0.005% | 98.329% |
| 1839 | NATURAL GROCERS BY VITAMIN C COMMON STOCK USD.001 | | 1,128,609.93 | 0.005% | 98.334% |
| 1840 | HAYNES INTERNATIONAL INC COMMON STOCK USD.001 | | 1,119,676.80 | 0.005% | 98.339% |
| 1841 | MAMMOTH ENERGY SERVICES INC COMMON STOCK USD.01 | | 1,118,985.30 | 0.005% | 98.344% |
| 1842 | CLEAN ENERGY FUELS CORP COMMON STOCK USD.0001 | | 1,118,806.68 | 0.005% | 98.349% |
| 1843 | FIESTA RESTAURANT GROUP COMMON STOCK USD.01 | | 1,118,472.63 | 0.005% | 98.354% |
| 1844 | DEL TACO RESTAURANTS INC COMMON STOCK | | 1,118,380.50 | 0.005% | 98.359% |
| 1845 | UNIVERSAL ELECTRONICS INC COMMON STOCK USD.01 | | 1,117,982.72 | 0.005% | 98.364% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1846 | FLOTEK INDUSTRIES INC COMMON STOCK USD.0001 | | 1,117,978.12 | 0.005% | 98.369% |
| 1847 | VERA BRADLEY INC COMMON STOCK | | 1,117,810.81 | 0.005% | 98.374% |
| 1848 | INTELLIA THERAPEUTICS INC COMMON STOCK USD.0001 | | 1,117,593.75 | 0.005% | 98.379% |
| 1849 | ENDURANCE INTERNATIONAL GROU COMMON STOCK USD.0001 | | 1,117,512.55 | 0.005% | 98.384% |
| 1850 | PARK ELECTROCHEMICAL CORP COMMON STOCK USD.1 | | 1,116,762.14 | 0.005% | 98.389% |
| 1851 | NL INDUSTRIES COMMON STOCK USD.125 | | 1,111,202.82 | 0.005% | 98.394% |
| 1852 | ANAPTYSBIO INC COMMON STOCK USD.001 | | 1,110,264.95 | 0.005% | 98.399% |
| 1853 | ONESPAN INC COMMON STOCK USD.001 | | 1,108,999.15 | 0.005% | 98.404% |
| 1854 | AMBAC FINANCIAL GROUP INC COMMON STOCK USD.01 | | 1,108,635.44 | 0.005% | 98.409% |
| 1855 | ALARM.COM HOLDINGS INC COMMON STOCK | | 1,106,231.49 | 0.005% | 98.413% |
| 1856 | MACROGENICS INC COMMON STOCK USD.01 | | 1,105,268.30 | 0.005% | 98.418% |
| 1857 | ENGILITY HOLDINGS INC COMMON STOCK USD.01 | | 1,105,215.64 | 0.005% | 98.423% |
| 1858 | TWILIO INC A COMMON STOCK USD.001 | | 1,100,086.70 | 0.005% | 98.428% |
| 1859 | MERCANTILE BANK CORP COMMON STOCK | | 1,098,748.80 | 0.005% | 98.433% |
| 1860 | LYDALL INC COMMON STOCK USD.1 | | 1,098,486.66 | 0.005% | 98.438% |
| 1861 | BIOSPECIFICS TECHNOLOGIES COMMON STOCK USD.001 | | 1,094,254.20 | 0.005% | 98.443% |
| 1862 | MOTORCAR PARTS OF AMERICA IN COMMON STOCK USD.01 | | 1,091,534.08 | 0.005% | 98.447% |
| 1863 | KEYW HOLDING CORP/THE COMMON STOCK | | 1,090,817.88 | 0.005% | 98.452% |
| 1864 | COREPOINT LODGING INC REIT USD.01 | | 1,085,889.00 | 0.005% | 98.457% |
| 1865 | ULTRA CLEAN HOLDINGS INC COMMON STOCK USD.001 | | 1,084,863.01 | 0.005% | 98.462% |
| 1866 | PROTHENA CORP PLC COMMON STOCK USD.01 | | 1,084,178.00 | 0.005% | 98.467% |
| 1867 | GREENLIGHT CAPITAL RE LTD A COMMON STOCK USD.01 | | 1,084,077.06 | 0.005% | 98.472% |
| 1868 | QCR HOLDINGS INC COMMON STOCK USD1.0 | | 1,077,100.85 | 0.005% | 98.476% |
| 1869 | ETSY INC COMMON STOCK USD.001 | | 1,073,607.33 | 0.005% | 98.481% |
| 1870 | COMTECH TELECOMMUNICATIONS COMMON STOCK USD.1 | | 1,070,229.80 | 0.005% | 98.486% |
| 1871 | CNB FINANCIAL CORP/PA COMMON STOCK | | 1,069,768.35 | 0.005% | 98.491% |
| 1872 | DONEGAL GROUP INC CL A COMMON STOCK USD.01 | | 1,069,645.20 | 0.005% | 98.495% |
| 1873 | SUPERIOR INDUSTRIES INTL COMMON STOCK | | 1,068,762.76 | 0.005% | 98.500% |
| 1874 | SCORPIO BULKERS INC COMMON STOCK USD.01 | | 1,066,504.74 | 0.005% | 98.505% |
| 1875 | MEET GROUP INC/THE COMMON STOCK USD.001 | | 1,066,353.82 | 0.005% | 98.509% |
| 1876 | FARMER BROS CO COMMON STOCK USD1.0 | | 1,066,297.65 | 0.005% | 98.514% |
| 1877 | INTREPID POTASH INC COMMON STOCK USD.001 | | 1,065,976.60 | 0.005% | 98.519% |
| 1878 | CATO CORP CLASS A COMMON STOCK USD.033 | | 1,064,927.29 | 0.005% | 98.524% |
| 1879 | RMR GROUP INC/THE A COMMON STOCK | | 1,062,343.12 | 0.005% | 98.528% |
| 1880 | LANDEC CORP COMMON STOCK USD.001 | | 1,061,160.00 | 0.005% | 98.533% |
| 1881 | DAKTRONICS INC COMMON STOCK | | 1,053,301.20 | 0.005% | 98.538% |
| 1882 | PENUMBRA INC COMMON STOCK USD.001 | | 1,052,753.00 | 0.005% | 98.542% |
| 1883 | ALDER BIOPHARMACEUTICALS INC COMMON STOCK USD.0001 | | 1,052,634.00 | 0.005% | 98.547% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1884 | WEST BANCORPORATION COMMON STOCK | | 1,051,591.74 | 0.005% | 98.552% |
| 1885 | AVON PRODUCTS INC COMMON STOCK USD.25 | | 1,049,266.64 | 0.005% | 98.556% |
| 1886 | CHUY S HOLDINGS INC COMMON STOCK USD.01 | | 1,044,690.86 | 0.005% | 98.561% |
| 1887 | COMMUNITY HEALTH SYSTEMS INC COMMON STOCK USD.01 | | 1,043,157.48 | 0.005% | 98.566% |
| 1888 | SPECTRUM PHARMACEUTICALS INC COMMON STOCK USD.001 | | 1,042,720.00 | 0.005% | 98.570% |
| 1889 | OPKO HEALTH INC COMMON STOCK USD.01 | | 1,042,043.94 | 0.005% | 98.575% |
| 1890 | COVENANT TRANSPORT GRP CL A COMMON STOCK USD.01 | | 1,037,683.20 | 0.005% | 98.579% |
| 1891 | LOXO ONCOLOGY INC COMMON STOCK USD.0001 | | 1,037,078.28 | 0.005% | 98.584% |
| 1892 | WILLIAM LYON HOMES CL A COMMON STOCK USD.01 | | 1,036,128.25 | 0.005% | 98.589% |
| 1893 | FIVE PRIME THERAPEUTICS INC COMMON STOCK USD.001 | | 1,035,573.60 | 0.005% | 98.593% |
| 1894 | BIG 5 SPORTING GOODS CORP COMMON STOCK USD.01 | | 1,035,269.62 | 0.005% | 98.598% |
| 1895 | ULTRA PETROLEUM CORP COMMON STOCK | | 1,033,355.19 | 0.005% | 98.602% |
| 1896 | CEVA INC COMMON STOCK USD.001 | | 1,026,433.94 | 0.005% | 98.607% |
| 1897 | GLATFELTER COMMON STOCK USD.01 | | 1,024,077.76 | 0.005% | 98.611% |
| 1898 | BEAZER HOMES USA INC COMMON STOCK USD.001 | | 1,023,584.04 | 0.005% | 98.616% |
| 1899 | QUINSTREET INC COMMON STOCK USD.001 | | 1,022,019.33 | 0.005% | 98.620% |
| 1900 | UNITED STATES LIME + MINERAL COMMON STOCK USD.1 | | 1,021,761.00 | 0.005% | 98.625% |
| 1901 | REX AMERICAN RESOURCES CORP COMMON STOCK USD.01 | | 1,020,355.91 | 0.005% | 98.630% |
| 1902 | YORK WATER CO COMMON STOCK | | 1,019,443.88 | 0.005% | 98.634% |
| 1903 | COHU INC COMMON STOCK USD1.0 | | 1,017,761.31 | 0.005% | 98.639% |
| 1904 | KIRKLAND S INC COMMON STOCK | | 1,016,279.20 | 0.005% | 98.643% |
| 1905 | VSE CORP COMMON STOCK USD.05 | | 1,013,619.99 | 0.004% | 98.648% |
| 1906 | CALIFORNIA RESOURCES CORP COMMON STOCK USD.01 | | 1,013,028.00 | 0.004% | 98.652% |
| 1907 | TEEKAY TANKERS LTD CLASS A COMMON STOCK USD.01 | | 1,012,819.20 | 0.004% | 98.657% |
| 1908 | NATIONAL CINEMEDIA INC COMMON STOCK USD.01 | | 1,011,540.96 | 0.004% | 98.661% |
| 1909 | ALPHA + OMEGA SEMICONDUCTOR COMMON STOCK | | 1,008,290.31 | 0.004% | 98.665% |
| 1910 | POWELL INDUSTRIES INC COMMON STOCK USD.01 | | 1,006,327.37 | 0.004% | 98.670% |
| 1911 | PURE STORAGE INC CLASS A COMMON STOCK USD.0001 | | 989,997.36 | 0.004% | 98.674% |
| 1912 | MARLIN BUSINESS SERVICES INC COMMON STOCK USD.01 | | 988,124.83 | 0.004% | 98.679% |
| 1913 | AMERESCO INC CL A COMMON STOCK USD.0001 | | 982,572.60 | 0.004% | 98.683% |
| 1914 | AKORN INC COMMON STOCK | | 982,357.59 | 0.004% | 98.687% |
| 1915 | BIOSCRIP INC COMMON STOCK USD.0001 | | 975,913.05 | 0.004% | 98.692% |
| 1916 | FEDNAT HOLDING CO COMMON STOCK USD.01 | | 975,422.64 | 0.004% | 98.696% |
| 1917 | KINDRED BIOSCIENCES INC COMMON STOCK USD.0001 | | 972,239.55 | 0.004% | 98.700% |
| 1918 | INVESTORS TITLE CO COMMON STOCK | | 969,619.84 | 0.004% | 98.705% |
| 1919 | CITI TRENDS INC COMMON STOCK USD.01 | | 969,340.60 | 0.004% | 98.709% |
| 1920 | WILLDAN GROUP INC COMMON STOCK USD.01 | | 967,162.02 | 0.004% | 98.713% |
| 1921 | CONCERT PHARMACEUTICALS INC COMMON STOCK USD.001 | | 962,120.65 | 0.004% | 98.717% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1922 | HOOKER FURNITURE CORP COMMON STOCK | | 961,330.98 | 0.004% | 98.722% |
| 1923 | STERLING CONSTRUCTION CO COMMON STOCK USD.01 | | 957,503.25 | 0.004% | 98.726% |
| 1924 | ON DECK CAPITAL INC COMMON STOCK USD.005 | | 957,092.10 | 0.004% | 98.730% |
| 1925 | PAR TECHNOLOGY CORP/DEL COMMON STOCK USD.02 | | 957,043.50 | 0.004% | 98.734% |
| 1926 | CAPITAL CITY BANK GROUP INC COMMON STOCK USD.01 | | 956,437.68 | 0.004% | 98.739% |
| 1927 | SPOK HOLDINGS INC COMMON STOCK USD.0001 | | 956,072.52 | 0.004% | 98.743% |
| 1928 | TITAN MACHINERY INC COMMON STOCK USD.00001 | | 947,930.90 | 0.004% | 98.747% |
| 1929 | WESTERN NEW ENGLAND BANCORP COMMON STOCK USD.01 | | 947,233.84 | 0.004% | 98.751% |
| 1930 | OMNOVA SOLUTIONS INC COMMON STOCK USD.1 | | 946,442.27 | 0.004% | 98.756% |
| 1931 | CALAMP CORP COMMON STOCK USD.01 | | 946,100.21 | 0.004% | 98.760% |
| 1932 | AGILYSYS INC COMMON STOCK USD.3 | | 945,020.34 | 0.004% | 98.764% |
| 1933 | CLARUS CORP COMMON STOCK USD.0001 | | 944,378.16 | 0.004% | 98.768% |
| 1934 | GENOMIC HEALTH INC COMMON STOCK USD.0001 | | 943,928.55 | 0.004% | 98.772% |
| 1935 | SMART + FINAL STORES INC COMMON STOCK USD.001 | | 943,700.82 | 0.004% | 98.776% |
| 1936 | CARRIAGE SERVICES INC COMMON STOCK USD.01 | | 943,128.50 | 0.004% | 98.781% |
| 1937 | CYMABAY THERAPEUTICS INC COMMON STOCK USD.0001 | | 940,598.79 | 0.004% | 98.785% |
| 1938 | TILE SHOP HLDGS INC COMMON STOCK USD.0001 | | 938,647.28 | 0.004% | 98.789% |
| 1939 | ZAGG INC COMMON STOCK USD.001 | | 932,151.36 | 0.004% | 98.793% |
| 1940 | RING ENERGY INC COMMON STOCK USD.001 | | 927,846.76 | 0.004% | 98.797% |
| 1941 | PETMED EXPRESS INC COMMON STOCK USD.001 | | 927,445.98 | 0.004% | 98.801% |
| 1942 | VISHAY PRECISION GROUP COMMON STOCK | | 926,700.65 | 0.004% | 98.805% |
| 1943 | CENTURY BANCORP INC CL A COMMON STOCK USD1.0 | | 923,024.44 | 0.004% | 98.810% |
| 1944 | CRA INTERNATIONAL INC COMMON STOCK | | 916,186.60 | 0.004% | 98.814% |
| 1945 | UNIVERSAL LOGISTICS HOLDINGS COMMON STOCK | | 916,041.42 | 0.004% | 98.818% |
| 1946 | REV GROUP INC COMMON STOCK USD.001 | | 911,518.74 | 0.004% | 98.822% |
| 1947 | NEOGENOMICS INC COMMON STOCK USD.001 | | 904,363.98 | 0.004% | 98.826% |
| 1948 | DUCOMMUN INC COMMON STOCK USD.01 | | 902,297.76 | 0.004% | 98.830% |
| 1949 | HALCON RESOURCES CORP COMMON STOCK USD.0001 | | 894,390.40 | 0.004% | 98.834% |
| 1950 | OLYMPIC STEEL INC COMMON STOCK | | 893,573.13 | 0.004% | 98.838% |
| 1951 | APPFOLIO INC A COMMON STOCK USD.0001 | | 892,030.86 | 0.004% | 98.842% |
| 1952 | CINCINNATI BELL INC COMMON STOCK USD.01 | | 890,568.82 | 0.004% | 98.845% |
| 1953 | TITAN INTERNATIONAL INC COMMON STOCK | | 888,191.34 | 0.004% | 98.849% |
| 1954 | COMPUTER PROGRAMS + SYSTEMS COMMON STOCK USD.001 | | 885,904.50 | 0.004% | 98.853% |
| 1955 | WESTWOOD HOLDINGS GROUP INC COMMON STOCK USD.01 | | 881,756.00 | 0.004% | 98.857% |
| 1956 | GRAFTECH INTERNATIONAL LTD COMMON STOCK USD.01 | | 881,738.00 | 0.004% | 98.861% |
| 1957 | RITE AID CORP COMMON STOCK USD1.0 | | 879,025.09 | 0.004% | 98.865% |
| 1958 | CONS TOMOKA LAND CO FLORIDA COMMON STOCK USD1.0 | | 878,377.50 | 0.004% | 98.869% |
| 1959 | FRANKLIN COVEY CO COMMON STOCK USD.05 | | 876,832.11 | 0.004% | 98.873% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1960 | RADNET INC COMMON STOCK USD.0001 | | 875,637.00 | 0.004% | 98.877% |
| 1961 | CROSS COUNTRY HEALTHCARE INC COMMON STOCK USD.0001 | | 871,815.54 | 0.004% | 98.881% |
| 1962 | PDF SOLUTIONS INC COMMON STOCK USD.00015 | | 870,330.06 | 0.004% | 98.884% |
| 1963 | BRIDGE BANCORP INC COMMON STOCK USD.01 | | 870,305.07 | 0.004% | 98.888% |
| 1964 | EMERALD EXPOSITIONS EVENTS I COMMON STOCK USD.01 | | 865,219.10 | 0.004% | 98.892% |
| 1965 | QAD INC A COMMON STOCK | | 861,130.35 | 0.004% | 98.896% |
| 1966 | SHILOH INDUSTRIES INC COMMON STOCK USD.01 | | 856,805.95 | 0.004% | 98.900% |
| 1967 | NUTANIX INC A COMMON STOCK USD.000025 | | 853,218.85 | 0.004% | 98.903% |
| 1968 | COWEN INC COMMON STOCK USD.01 | | 852,719.48 | 0.004% | 98.907% |
| 1969 | INNERWORKINGS INC COMMON STOCK USD.0001 | | 849,971.10 | 0.004% | 98.911% |
| 1970 | REGIONAL MANAGEMENT CORP COMMON STOCK USD.1 | | 849,349.80 | 0.004% | 98.915% |
| 1971 | TRIBUNE PUBLISHING CO COMMON STOCK USD.01 | | 848,957.76 | 0.004% | 98.919% |
| 1972 | IMMERSION CORPORATION COMMON STOCK USD.001 | | 847,633.92 | 0.004% | 98.922% |
| 1973 | HESKA CORP COMMON STOCK USD.001 | | 846,793.50 | 0.004% | 98.926% |
| 1974 | COMMERCIAL VEHICLE GROUP INC COMMON STOCK USD.01 | | 842,237.70 | 0.004% | 98.930% |
| 1975 | CRAWFORD + COMPANY CL A COMMON STOCK USD1.0 | | 838,753.80 | 0.004% | 98.934% |
| 1976 | CAPITAL SENIOR LIVING CORP COMMON STOCK USD.01 | | 834,516.40 | 0.004% | 98.937% |
| 1977 | OVERSTOCK.COM INC COMMON STOCK USD.0001 | | 833,336.70 | 0.004% | 98.941% |
| 1978 | CULP INC COMMON STOCK USD.05 | | 821,412.90 | 0.004% | 98.945% |
| 1979 | AMPCO PITTSBURGH CORP COMMON STOCK USD1.0 | | 820,154.60 | 0.004% | 98.948% |
| 1980 | BRIDGEPOINT EDUCATION INC COMMON STOCK USD.01 | | 817,337.96 | 0.004% | 98.952% |
| 1981 | BANK OF MARIN BANCORP/CA COMMON STOCK | | 814,160.08 | 0.004% | 98.955% |
| 1982 | CIVITAS SOLUTIONS INC COMMON STOCK USD.01 | | 812,726.65 | 0.004% | 98.959% |
| 1983 | FIRST FINANCIAL CORP/INDIANA COMMON STOCK | | 809,785.35 | 0.004% | 98.963% |
| 1984 | COSTAMARE INC COMMON STOCK USD.0001 | | 808,093.64 | 0.004% | 98.966% |
| 1985 | GLYCOMIMETICS INC COMMON STOCK USD.001 | | 804,230.28 | 0.004% | 98.970% |
| 1986 | SENECA FOODS CORP CL A COMMON STOCK USD.25 | | 804,044.24 | 0.004% | 98.973% |
| 1987 | NATIONAL VISION HOLDINGS INC COMMON STOCK USD.01 | | 803,633.76 | 0.004% | 98.977% |
| 1988 | NATIONAL COMMERCE CORP COMMON STOCK | | 800,532.00 | 0.004% | 98.980% |
| 1989 | SEACOR MARINE HOLDINGS INC COMMON STOCK USD.01 | | 798,515.76 | 0.004% | 98.984% |
| 1990 | INSPIRE MEDICAL SYSTEMS INC COMMON STOCK USD.001 | | 797,130.75 | 0.004% | 98.987% |
| 1991 | AMER NATL BNKSHS/DANVILLE VA COMMON STOCK USD1.0 | | 794,213.07 | 0.004% | 98.991% |
| 1992 | LUBY S INC COMMON STOCK USD.32 | | 789,147.60 | 0.003% | 98.994% |
| 1993 | FIRST OF LONG ISLAND CORP COMMON STOCK USD.1 | | 785,451.45 | 0.003% | 98.998% |
| 1994 | CISION LTD COMMON STOCK USD.0001 | | 785,409.30 | 0.003% | 99.001% |
| 1995 | MACATAWA BANK CORP COMMON STOCK | | 783,760.64 | 0.003% | 99.005% |
| 1996 | EQUITY BANCSHARES INC CL A COMMON STOCK USD.01 | | 781,563.00 | 0.003% | 99.008% |
| 1997 | GP STRATEGIES CORP COMMON STOCK USD.01 | | 780,710.32 | 0.003% | 99.012% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 1998 | TERRITORIAL BANCORP INC COMMON STOCK USD.01 | | 776,853.96 | 0.003% | 99.015% |
| 1999 | DSP GROUP INC COMMON STOCK USD.001 | | 776,529.60 | 0.003% | 99.019% |
| 2000 | SEASPINE HOLDINGS CORP COMMON STOCK USD.01 | | 776,458.56 | 0.003% | 99.022% |
| 2001 | SUPERIOR GROUP OF COS INC COMMON STOCK | | 776,229.35 | 0.003% | 99.026% |
| 2002 | ANGI HOMESERVICES INC A COMMON STOCK | | 773,786.57 | 0.003% | 99.029% |
| 2003 | READING INTERNATIONAL INC A COMMON STOCK USD.01 | | 773,077.26 | 0.003% | 99.032% |
| 2004 | VOLT INFO SCIENCES INC COMMON STOCK USD.1 | | 770,196.65 | 0.003% | 99.036% |
| 2005 | VECTRUS INC COMMON STOCK USD.01 | | 769,693.86 | 0.003% | 99.039% |
| 2006 | HAMILTON BEACH BRAND A COMMON STOCK | | 763,435.32 | 0.003% | 99.043% |
| 2007 | GOLD RESOURCE CORP COMMON STOCK USD.001 | | 759,008.00 | 0.003% | 99.046% |
| 2008 | MINERVA NEUROSCIENCES INC COMMON STOCK USD.0001 | | 757,818.64 | 0.003% | 99.049% |
| 2009 | SPARTAN MOTORS INC COMMON STOCK USD.01 | | 757,682.31 | 0.003% | 99.053% |
| 2010 | CARDIOVASCULAR SYSTEMS INC COMMON STOCK | | 753,247.11 | 0.003% | 99.056% |
| 2011 | MITEK SYSTEMS INC COMMON STOCK USD.001 | | 752,754.35 | 0.003% | 99.059% |
| 2012 | GULF ISLAND FABRICATION INC COMMON STOCK | | 752,049.64 | 0.003% | 99.063% |
| 2013 | RTI SURGICAL INC COMMON STOCK USD.001 | | 751,647.60 | 0.003% | 99.066% |
| 2014 | VILLAGE SUPER MARKET CLASS A COMMON STOCK | | 751,260.30 | 0.003% | 99.069% |
| 2015 | DEL FRISCO S RESTAURANT GROU COMMON STOCK USD.001 | | 750,471.15 | 0.003% | 99.073% |
| 2016 | SEACHANGE INTERNATIONAL INC COMMON STOCK USD.01 | | 750,413.16 | 0.003% | 99.076% |
| 2017 | BUCKLE INC/THE COMMON STOCK USD.01 | | 749,908.50 | 0.003% | 99.079% |
| 2018 | ERA GROUP INC COMMON STOCK USD.01 | | 746,833.00 | 0.003% | 99.083% |
| 2019 | GOPRO INC CLASS A COMMON STOCK USD.0001 | | 746,108.56 | 0.003% | 99.086% |
| 2020 | TILLY S INC CLASS A SHRS COMMON STOCK USD.001 | | 745,984.26 | 0.003% | 99.089% |
| 2021 | PREFORMED LINE PRODUCTS CO COMMON STOCK USD2.0 | | 739,481.75 | 0.003% | 99.093% |
| 2022 | UTAH MEDICAL PRODUCTS INC COMMON STOCK USD.01 | | 737,335.00 | 0.003% | 99.096% |
| 2023 | ASSERTIO THERAPEUTICS INC COMMON STOCK | | 735,512.23 | 0.003% | 99.099% |
| 2024 | LSC COMMUNICATIONS INC COMMON STOCK USD.01 | | 735,322.00 | 0.003% | 99.102% |
| 2025 | DAWSON GEOPHYSICAL CO COMMON STOCK USD.01 | | 733,639.14 | 0.003% | 99.106% |
| 2026 | OLD LINE BANCSHARES INC COMMON STOCK USD.01 | | 731,511.76 | 0.003% | 99.109% |
| 2027 | CECO ENVIRONMENTAL CORP COMMON STOCK USD.01 | | 728,487.00 | 0.003% | 99.112% |
| 2028 | CONSTELLATION BRANDS INC B COMMON STOCK USD.01 | | 728,075.40 | 0.003% | 99.115% |
| 2029 | ROKU INC COMMON STOCK USD.0001 | | 726,903.36 | 0.003% | 99.119% |
| 2030 | TECHTARGET COMMON STOCK USD.001 | | 725,640.30 | 0.003% | 99.122% |
| 2031 | ZENDESK INC COMMON STOCK USD.01 | | 725,188.88 | 0.003% | 99.125% |
| 2032 | ALICO INC COMMON STOCK USD1.0 | | 725,051.00 | 0.003% | 99.128% |
| 2033 | BANKFINANCIAL CORP COMMON STOCK USD.01 | | 724,805.90 | 0.003% | 99.131% |
| 2034 | TIPTREE INC COMMON STOCK USD.001 | | 720,511.87 | 0.003% | 99.135% |
| 2035 | SOLARIS OILFIELD INFRAST A COMMON STOCK USD.01 | | 715,171.86 | 0.003% | 99.138% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2036 | VIKING THERAPEUTICS INC COMMON STOCK USD.00001 | | 712,880.55 | 0.003% | 99.141% |
| 2037 | ACHILLION PHARMACEUTICALS COMMON STOCK USD.001 | | 712,692.06 | 0.003% | 99.144% |
| 2038 | LAWSON PRODUCTS INC COMMON STOCK USD1.0 | | 708,819.60 | 0.003% | 99.147% |
| 2039 | AMES NATIONAL CORP COMMON STOCK USD2.0 | | 708,506.24 | 0.003% | 99.150% |
| 2040 | MUTUALFIRST FINANCIAL INC COMMON STOCK USD.01 | | 708,223.35 | 0.003% | 99.153% |
| 2041 | NEOPHOTONICS CORP COMMON STOCK USD.0025 | | 707,013.36 | 0.003% | 99.157% |
| 2042 | LIBERTY MEDIA CORP LIBERTY A TRACKING STK USD.01 | | 706,979.36 | 0.003% | 99.160% |
| 2043 | NN INC COMMON STOCK USD.01 | | 701,926.39 | 0.003% | 99.163% |
| 2044 | STARRETT (L.S.) CO CL A COMMON STOCK USD1.0 | | 701,118.11 | 0.003% | 99.166% |
| 2045 | PETIQ INC COMMON STOCK USD.001 | | 697,129.41 | 0.003% | 99.169% |
| 2046 | SOUTHERN FIRST BANCSHARES COMMON STOCK USD.01 | | 693,802.38 | 0.003% | 99.172% |
| 2047 | SELECT BANCORP INC COMMON STOCK USD1.0 | | 691,732.50 | 0.003% | 99.175% |
| 2048 | SPARK THERAPEUTICS INC COMMON STOCK USD.001 | | 686,789.58 | 0.003% | 99.178% |
| 2049 | ZIX CORP COMMON STOCK USD.01 | | 682,981.62 | 0.003% | 99.181% |
| 2050 | MONEYGRAM INTERNATIONAL INC COMMON STOCK USD.01 | | 681,870.00 | 0.003% | 99.184% |
| 2051 | MIDLAND STATES BANCORP INC COMMON STOCK USD.01 | | 680,856.18 | 0.003% | 99.187% |
| 2052 | WATSCO INC CL B COMMON STOCK USD.5 | | 680,503.32 | 0.003% | 99.190% |
| 2053 | ARTESIAN RESOURCES CORP CL A COMMON STOCK USD1.0 | | 678,151.76 | 0.003% | 99.193% |
| 2054 | WEYCO GROUP INC COMMON STOCK USD1.0 | | 674,118.70 | 0.003% | 99.196% |
| 2055 | FERROGLOBE PLC COMMON STOCK USD7.5 | | 673,504.92 | 0.003% | 99.199% |
| 2056 | CRAWFORD + CO CL B COMMON STOCK USD1.0 | | 671,499.00 | 0.003% | 99.202% |
| 2057 | LIMONEIRA CO COMMON STOCK USD.01 | | 668,766.40 | 0.003% | 99.205% |
| 2058 | AKEBIA THERAPEUTICS INC COMMON STOCK USD.0001 | | 667,509.71 | 0.003% | 99.208% |
| 2059 | KIMBALL ELECTRONICS INC COMMON STOCK | | 667,495.08 | 0.003% | 99.211% |
| 2060 | TRAVELZOO COMMON STOCK USD.01 | | 667,388.19 | 0.003% | 99.214% |
| 2061 | CRAFT BREW ALLIANCE INC COMMON STOCK USD.005 | | 667,361.16 | 0.003% | 99.217% |
| 2062 | ENTRAVISION COMMUNICATIONS A COMMON STOCK USD.0001 | | 663,247.20 | 0.003% | 99.220% |
| 2063 | PRESIDIO INC COMMON STOCK USD.01 | | 660,708.45 | 0.003% | 99.223% |
| 2064 | TETRA TECHNOLOGIES INC COMMON STOCK USD.01 | | 658,719.60 | 0.003% | 99.226% |
| 2065 | APPLIED OPTOELECTRONICS INC COMMON STOCK USD.001 | | 657,719.18 | 0.003% | 99.229% |
| 2066 | FIRST BANCORP INC/ME COMMON STOCK USD.01 | | 657,631.50 | 0.003% | 99.232% |
| 2067 | GRAHAM CORP COMMON STOCK USD.1 | | 657,221.00 | 0.003% | 99.235% |
| 2068 | GENCO SHIPPING + TRADING LTD COMMON STOCK | | 655,256.61 | 0.003% | 99.237% |
| 2069 | NATHAN S FAMOUS INC COMMON STOCK USD.01 | | 650,346.15 | 0.003% | 99.240% |
| 2070 | PANHANDLE OIL AND GAS INC A COMMON STOCK USD.01666 | | 650,147.50 | 0.003% | 99.243% |
| 2071 | AMERICAN SOFTWARE INC CL A COMMON STOCK USD.1 | | 649,843.70 | 0.003% | 99.246% |
| 2072 | BARNES + NOBLE EDUCATION INC COMMON STOCK USD.01 | | 647,911.74 | 0.003% | 99.249% |
| 2073 | PRGX GLOBAL INC COMMON STOCK USD.01 | | 646,592.66 | 0.003% | 99.252% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2074 | TRANS WORLD ENTERTAINMENT CP COMMON STOCK USD.01 | | 636,235.74 | 0.003% | 99.255% |
| 2075 | PIVOTAL SOFTWARE INC CL A COMMON STOCK | | 633,153.75 | 0.003% | 99.257% |
| 2076 | RTW RETAILWINDS INC COMMON STOCK USD.001 | | 631,208.86 | 0.003% | 99.260% |
| 2077 | ULTRAGENYX PHARMACEUTICAL IN COMMON STOCK USD.001 | | 627,981.64 | 0.003% | 99.263% |
| 2078 | DIGI INTERNATIONAL INC COMMON STOCK USD.01 | | 627,910.79 | 0.003% | 99.266% |
| 2079 | CAESARS ENTERTAINMENT CORP COMMON STOCK USD.01 | | 627,314.52 | 0.003% | 99.269% |
| 2080 | BAR HARBOR BANKSHARES COMMON STOCK USD2.0 | | 626,268.03 | 0.003% | 99.271% |
| 2081 | ALTISOURCE PORTFOLIO SOL COMMON STOCK USD1.0 | | 623,130.43 | 0.003% | 99.274% |
| 2082 | CBS CORP CLASS A VOTING COMMON STOCK USD.001 | | 619,425.10 | 0.003% | 99.277% |
| 2083 | P.A.M. TRANSPORTATION SVCS COMMON STOCK USD.01 | | 612,313.17 | 0.003% | 99.280% |
| 2084 | ROSETTA STONE INC COMMON STOCK USD.00005 | | 609,899.60 | 0.003% | 99.282% |
| 2085 | IMPERVA INC COMMON STOCK USD.0001 | | 609,694.12 | 0.003% | 99.285% |
| 2086 | EAGLE PHARMACEUTICALS INC COMMON STOCK USD.001 | | 608,580.45 | 0.003% | 99.288% |
| 2087 | NUVECTRA CORP COMMON STOCK USD.001 | | 608,501.60 | 0.003% | 99.290% |
| 2088 | CITIZENS INC COMMON STOCK | | 603,261.92 | 0.003% | 99.293% |
| 2089 | LIQUIDITY SERVICES INC COMMON STOCK USD.001 | | 593,652.72 | 0.003% | 99.296% |
| 2090 | RADIANT LOGISTICS INC COMMON STOCK USD.001 | | 588,960.75 | 0.003% | 99.298% |
| 2091 | GCI LIBERTY INC PREFERRED STOCK 7 | | 583,385.71 | 0.003% | 99.301% |
| 2092 | TRECORA RESOURCES COMMON STOCK USD.1 | | 582,894.00 | 0.003% | 99.303% |
| 2093 | CONSUMER PORTFOLIO SERVICES COMMON STOCK | | 578,540.06 | 0.003% | 99.306% |
| 2094 | UNITY BANCORP INC COMMON STOCK | | 577,584.72 | 0.003% | 99.309% |
| 2095 | TWIN DISC INC COMMON STOCK | | 576,754.50 | 0.003% | 99.311% |
| 2096 | ADVERUM BIOTECHNOLOGIES INC COMMON STOCK USD.0001 | | 576,125.55 | 0.003% | 99.314% |
| 2097 | GAMCO INVESTORS INC A COMMON STOCK USD.001 | | 576,084.12 | 0.003% | 99.316% |
| 2098 | LCNB CORPORATION COMMON STOCK | | 573,685.05 | 0.003% | 99.319% |
| 2099 | JAKKS PACIFIC INC COMMON STOCK USD.001 | | 568,645.98 | 0.003% | 99.321% |
| 2100 | POTBELLY CORP COMMON STOCK USD.01 | | 567,911.40 | 0.003% | 99.324% |
| 2101 | SANDRIDGE ENERGY INC COMMON STOCK USD.001 | | 567,462.48 | 0.003% | 99.326% |
| 2102 | ENZO BIOCHEM INC COMMON STOCK USD.01 | | 567,425.80 | 0.003% | 99.329% |
| 2103 | ACNB CORP COMMON STOCK USD2.5 | | 564,964.50 | 0.003% | 99.331% |
| 2104 | AVID TECHNOLOGY INC COMMON STOCK USD.01 | | 564,784.50 | 0.003% | 99.334% |
| 2105 | HABIT RESTAURANTS INC/THE A COMMON STOCK USD.01 | | 562,590.00 | 0.002% | 99.336% |
| 2106 | CIVISTA BANCSHARES INC COMMON STOCK | | 560,697.54 | 0.002% | 99.339% |
| 2107 | RYERSON HOLDING CORP COMMON STOCK USD.01 | | 559,783.96 | 0.002% | 99.341% |
| 2108 | TEEKAY CORP COMMON STOCK USD.001 | | 557,559.56 | 0.002% | 99.344% |
| 2109 | HOME BANCORP INC COMMON STOCK USD.01 | | 557,054.40 | 0.002% | 99.346% |
| 2110 | STRATUS PROPERTIES INC COMMON STOCK USD.01 | | 553,362.48 | 0.002% | 99.349% |
| 2111 | SPARTON CORP COMMON STOCK USD1.25 | | 553,103.33 | 0.002% | 99.351% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2112 | ARATANA THERAPEUTICS INC COMMON STOCK USD.001 | | 552,447.86 | 0.002% | 99.354% |
| 2113 | NORTHRIM BANCORP INC COMMON STOCK USD1.0 | | 552,446.09 | 0.002% | 99.356% |
| 2114 | NACCO INDUSTRIES CL A COMMON STOCK USD1.0 | | 551,586.90 | 0.002% | 99.358% |
| 2115 | GAIN CAPITAL HOLDINGS INC COMMON STOCK USD.00001 | | 551,098.24 | 0.002% | 99.361% |
| 2116 | RUBICON PROJECT INC/THE COMMON STOCK USD.00001 | | 550,656.17 | 0.002% | 99.363% |
| 2117 | SAFEGUARD SCIENTIFICS INC COMMON STOCK USD.1 | | 548,766.44 | 0.002% | 99.366% |
| 2118 | CITIZENS + NORTHERN CORP COMMON STOCK USD1.0 | | 547,603.17 | 0.002% | 99.368% |
| 2119 | ABRAXAS PETROLEUM CORP COMMON STOCK USD.01 | | 547,381.65 | 0.002% | 99.371% |
| 2120 | BEL FUSE INC CL B COMMON STOCK USD.1 | | 546,595.08 | 0.002% | 99.373% |
| 2121 | EVOLUTION PETROLEUM CORP COMMON STOCK USD.001 | | 546,493.42 | 0.002% | 99.375% |
| 2122 | LIFETIME BRANDS INC COMMON STOCK USD.01 | | 544,749.36 | 0.002% | 99.378% |
| 2123 | KVH INDUSTRIES INC COMMON STOCK USD.01 | | 539,916.30 | 0.002% | 99.380% |
| 2124 | HURCO COMPANIES INC COMMON STOCK | | 538,177.50 | 0.002% | 99.383% |
| 2125 | MASTERCRAFT BOAT HOLDINGS IN COMMON STOCK USD.01 | | 537,812.00 | 0.002% | 99.385% |
| 2126 | ACLARIS THERAPEUTICS INC COMMON STOCK USD.00001 | | 537,474.70 | 0.002% | 99.387% |
| 2127 | TELENAV INC COMMON STOCK USD.001 | | 536,273.22 | 0.002% | 99.390% |
| 2128 | SPORTSMAN S WAREHOUSE HOLDIN COMMON STOCK USD.01 | | 535,801.02 | 0.002% | 99.392% |
| 2129 | LANDS END INC COMMON STOCK USD.01 | | 535,560.69 | 0.002% | 99.395% |
| 2130 | LIMELIGHT NETWORKS INC COMMON STOCK USD.001 | | 532,389.78 | 0.002% | 99.397% |
| 2131 | HERITAGE INSURANCE HOLDINGS COMMON STOCK USD.0001 | | 532,260.48 | 0.002% | 99.399% |
| 2132 | LUMBER LIQUIDATORS HOLDINGS COMMON STOCK USD.001 | | 528,826.48 | 0.002% | 99.402% |
| 2133 | RINGCENTRAL INC CLASS A COMMON STOCK USD.0001 | | 527,203.80 | 0.002% | 99.404% |
| 2134 | FOSTER (LB) CO A COMMON STOCK USD.01 | | 521,742.60 | 0.002% | 99.406% |
| 2135 | REPUBLIC FIRST BANCORP INC COMMON STOCK USD.01 | | 521,658.60 | 0.002% | 99.409% |
| 2136 | SOUTHERN NATL BANCORP OF VA COMMON STOCK USD.01 | | 521,330.70 | 0.002% | 99.411% |
| 2137 | MAXWELL TECHNOLOGIES INC COMMON STOCK USD.1 | | 520,296.57 | 0.002% | 99.413% |
| 2138 | G1 THERAPEUTICS INC COMMON STOCK | | 517,854.30 | 0.002% | 99.415% |
| 2139 | ECLIPSE RESOURCES CORP COMMON STOCK USD.01 | | 516,136.95 | 0.002% | 99.418% |
| 2140 | MBT FINANCIAL CORP COMMON STOCK | | 514,131.90 | 0.002% | 99.420% |
| 2141 | PHI INC NON VOTING COMMON STOCK USD.1 | | 511,859.85 | 0.002% | 99.422% |
| 2142 | NAPCO SECURITY TECHNOLOGIES COMMON STOCK USD.01 | | 511,796.25 | 0.002% | 99.425% |
| 2143 | MR COOPER GROUP INC COMMON STOCK USD.01 | | 508,858.68 | 0.002% | 99.427% |
| 2144 | MAIDEN HOLDINGS LTD COMMON STOCK USD.01 | | 508,559.70 | 0.002% | 99.429% |
| 2145 | PURE CYCLE CORP COMMON STOCK USD.0033 | | 504,781.62 | 0.002% | 99.431% |
| 2146 | PROOFPOINT INC COMMON STOCK USD.0001 | | 503,027.62 | 0.002% | 99.434% |
| 2147 | FIRST INTERNET BANCORP COMMON STOCK | | 502,946.64 | 0.002% | 99.436% |
| 2148 | AXT INC COMMON STOCK USD.001 | | 502,381.50 | 0.002% | 99.438% |
| 2149 | CIVEO CORP COMMON STOCK USD.01 | | 502,113.04 | 0.002% | 99.440% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2150 | LANNETT CO INC COMMON STOCK USD.001 | | 501,019.52 | 0.002% | 99.442% |
| 2151 | PACIFIC ETHANOL INC COMMON STOCK USD.001 | | 500,717.13 | 0.002% | 99.445% |
| 2152 | HALLADOR ENERGY CO COMMON STOCK USD.01 | | 496,535.52 | 0.002% | 99.447% |
| 2153 | ORRSTOWN FINL SERVICES INC COMMON STOCK | | 496,222.50 | 0.002% | 99.449% |
| 2154 | MCEWEN MINING INC COMMON STOCK | | 494,435.76 | 0.002% | 99.451% |
| 2155 | DRIVE SHACK INC COMMON STOCK USD.01 | | 493,531.92 | 0.002% | 99.453% |
| 2156 | RGC RESOURCES INC COMMON STOCK USD5.0 | | 491,763.44 | 0.002% | 99.456% |
| 2157 | INVACARE CORP COMMON STOCK USD.25 | | 490,574.10 | 0.002% | 99.458% |
| 2158 | TIMBERLAND BANCORP INC COMMON STOCK USD.01 | | 490,064.80 | 0.002% | 99.460% |
| 2159 | SCHNEIDER NATIONAL INC CL B COMMON STOCK | | 486,129.46 | 0.002% | 99.462% |
| 2160 | VERASTEM INC COMMON STOCK USD.0001 | | 486,077.76 | 0.002% | 99.464% |
| 2161 | LIBERTY MEDIA CORP BRAVES C TRACKING STK | | 486,027.03 | 0.002% | 99.466% |
| 2162 | OMEGA FLEX INC COMMON STOCK USD.01 | | 485,170.11 | 0.002% | 99.469% |
| 2163 | HEMISPHERE MEDIA GROUP INC COMMON STOCK USD.0001 | | 480,622.60 | 0.002% | 99.471% |
| 2164 | UPLAND SOFTWARE INC COMMON STOCK USD.0001 | | 479,971.62 | 0.002% | 99.473% |
| 2165 | RIVERVIEW BANCORP INC COMMON STOCK USD.01 | | 479,846.64 | 0.002% | 99.475% |
| 2166 | MONGODB INC COMMON STOCK USD.001 | | 478,406.62 | 0.002% | 99.477% |
| 2167 | 1ST CONSTITUTION BANCORP COMMON STOCK | | 477,084.34 | 0.002% | 99.479% |
| 2168 | RA PHARMACEUTICALS INC COMMON STOCK USD.0001 | | 476,457.80 | 0.002% | 99.481% |
| 2169 | GARRETT MOTION INC COMMON STOCK USD.001 | | 475,015.96 | 0.002% | 99.483% |
| 2170 | TRIBUNE MEDIA CO A COMMON STOCK | | 474,084.86 | 0.002% | 99.485% |
| 2171 | RIGNET INC COMMON STOCK USD.001 | | 472,887.68 | 0.002% | 99.488% |
| 2172 | DIEBOLD NIXDORF INC COMMON STOCK USD1.25 | | 471,013.38 | 0.002% | 99.490% |
| 2173 | SI FINANCIAL GROUP INC COMMON STOCK USD.01 | | 468,502.19 | 0.002% | 99.492% |
| 2174 | MARINE PRODUCTS CORP COMMON STOCK USD.1 | | 468,119.53 | 0.002% | 99.494% |
| 2175 | PDVWIRELESS INC COMMON STOCK USD.0001 | | 467,113.27 | 0.002% | 99.496% |
| 2176 | HALLMARK FINL SERVICES INC COMMON STOCK USD.18 | | 466,565.05 | 0.002% | 99.498% |
| 2177 | RIGEL PHARMACEUTICALS INC COMMON STOCK USD.001 | | 463,691.50 | 0.002% | 99.500% |
| 2178 | FIRST HAWAIIAN INC COMMON STOCK USD.01 | | 463,615.96 | 0.002% | 99.502% |
| 2179 | MCCORMICK + CO INC VTG COM COMMON STOCK | | 462,237.30 | 0.002% | 99.504% |
| 2180 | IOVANCE BIOTHERAPEUTICS INC COMMON STOCK USD.000041666 | | 462,023.10 | 0.002% | 99.506% |
| 2181 | STAAR SURGICAL CO COMMON STOCK USD.01 | | 461,259.05 | 0.002% | 99.508% |
| 2182 | CAPSTAR FINANCIAL HOLDINGS I COMMON STOCK USD1.0 | | 460,798.59 | 0.002% | 99.510% |
| 2183 | RUSH ENTERPRISES INC CL B COMMON STOCK USD.01 | | 460,557.20 | 0.002% | 99.512% |
| 2184 | HUBSPOT INC COMMON STOCK USD.001 | | 459,920.34 | 0.002% | 99.514% |
| 2185 | UNIVERSAL STAINLESS + ALLOY COMMON STOCK USD.001 | | 457,365.15 | 0.002% | 99.516% |
| 2186 | MILLER INDUSTRIES INC/TENN COMMON STOCK USD.01 | | 456,759.00 | 0.002% | 99.518% |
| 2187 | ESCALADE INC COMMON STOCK | | 452,870.40 | 0.002% | 99.520% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2188 | MIDSOUTH BANCORP INC COMMON STOCK USD.1 | | 452,037.00 | 0.002% | 99.522% |
| 2189 | COMMUNITY BANKERS TRUST CORP COMMON STOCK USD.01 | | 451,784.28 | 0.002% | 99.524% |
| 2190 | COMMUNITY FINANCIAL CORP/THE COMMON STOCK USD.01 | | 451,348.64 | 0.002% | 99.526% |
| 2191 | HINGHAM INSTITUTION FOR SVGS COMMON STOCK USD1.0 | | 448,474.32 | 0.002% | 99.528% |
| 2192 | BBX CAPITAL CORP COMMON STOCK USD.01 | | 448,361.04 | 0.002% | 99.530% |
| 2193 | INTRICON CORP COMMON STOCK USD1.0 | | 447,404.80 | 0.002% | 99.532% |
| 2194 | CONSOLIDATED WATER CO ORD SH COMMON STOCK USD.6 | | 445,715.16 | 0.002% | 99.534% |
| 2195 | LEAF GROUP LTD COMMON STOCK USD.0001 | | 444,181.40 | 0.002% | 99.536% |
| 2196 | AMAG PHARMACEUTICALS INC COMMON STOCK USD.01 | | 443,274.58 | 0.002% | 99.538% |
| 2197 | NATURAL GAS SERVICES GROUP COMMON STOCK USD.01 | | 441,841.44 | 0.002% | 99.540% |
| 2198 | MARCHEX INC CLASS B COMMON STOCK USD.01 | | 441,662.25 | 0.002% | 99.542% |
| 2199 | ENTERPRISE BANCORP INC COMMON STOCK USD.01 | | 440,045.28 | 0.002% | 99.544% |
| 2200 | SB ONE BANCORP COMMON STOCK | | 440,032.32 | 0.002% | 99.546% |
| 2201 | ION GEOPHYSICAL CORP COMMON STOCK USD.01 | | 438,740.82 | 0.002% | 99.548% |
| 2202 | RHYTHM PHARMACEUTICALS INC COMMON STOCK | | 438,681.60 | 0.002% | 99.550% |
| 2203 | SYNALLOY CORP COMMON STOCK USD1.0 | | 438,357.57 | 0.002% | 99.552% |
| 2204 | PEOPLE S UTAH BANCORP COMMON STOCK USD.01 | | 436,300.65 | 0.002% | 99.554% |
| 2205 | INDEPENDENCE HOLDING CO COMMON STOCK USD1.0 | | 436,022.40 | 0.002% | 99.556% |
| 2206 | PACIFIC MERCANTILE BANCORP COMMON STOCK | | 434,069.35 | 0.002% | 99.558% |
| 2207 | GEOSPACE TECHNOLOGIES CORP COMMON STOCK USD.01 | | 433,855.11 | 0.002% | 99.560% |
| 2208 | PARTY CITY HOLDCO INC COMMON STOCK USD.01 | | 433,680.90 | 0.002% | 99.562% |
| 2209 | CLOUD PEAK ENERGY INC COMMON STOCK USD.01 | | 433,330.34 | 0.002% | 99.563% |
| 2210 | KURA ONCOLOGY INC COMMON STOCK USD.0001 | | 433,063.80 | 0.002% | 99.565% |
| 2211 | EVANS BANCORP INC COMMON STOCK USD.5 | | 432,252.96 | 0.002% | 99.567% |
| 2212 | NEW RELIC INC COMMON STOCK USD.001 | | 431,408.16 | 0.002% | 99.569% |
| 2213 | MAGNACHIP SEMICONDUCT COMMON STOCK USD.01 | | 430,986.42 | 0.002% | 99.571% |
| 2214 | AVIAT NETWORKS INC COMMON STOCK USD.01 | | 428,995.25 | 0.002% | 99.573% |
| 2215 | PENNS WOODS BANCORP INC COMMON STOCK USD8.33 | | 425,819.68 | 0.002% | 99.575% |
| 2216 | USA TRUCK INC COMMON STOCK USD.01 | | 423,785.73 | 0.002% | 99.577% |
| 2217 | STAGE STORES INC COMMON STOCK USD.01 | | 422,839.70 | 0.002% | 99.579% |
| 2218 | MALVERN BANCORP INC COMMON STOCK USD.01 | | 419,874.13 | 0.002% | 99.580% |
| 2219 | INFORMATION SERVICES GROUP COMMON STOCK USD.0001 | | 418,288.72 | 0.002% | 99.582% |
| 2220 | FIRST COMMUNITY CORP COMMON STOCK USD1.0 | | 418,017.02 | 0.002% | 99.584% |
| 2221 | CALITHERA BIOSCIENCES INC COMMON STOCK USD.001 | | 417,837.99 | 0.002% | 99.586% |
| 2222 | OPPENHEIMER HOLDINGS CL A COMMON STOCK USD.001 | | 416,081.75 | 0.002% | 99.588% |
| 2223 | VICTORY CAPITAL HOLDING A COMMON STOCK USD.01 | | 409,505.18 | 0.002% | 99.590% |
| 2224 | EASTERN CO/THE COMMON STOCK | | 408,738.72 | 0.002% | 99.591% |
| 2225 | CHEGG INC COMMON STOCK USD.001 | | 408,736.44 | 0.002% | 99.593% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2226 | RED LION HOTELS CORP COMMON STOCK USD.01 | | 406,834.80 | 0.002% | 99.595% |
| 2227 | IES HOLDINGS INC COMMON STOCK USD.01 | | 406,648.05 | 0.002% | 99.597% |
| 2228 | NORTHWEST PIPE CO COMMON STOCK USD.01 | | 406,550.24 | 0.002% | 99.599% |
| 2229 | J. JILL INC COMMON STOCK USD.01 | | 405,682.29 | 0.002% | 99.601% |
| 2230 | DASAN ZHONG SOLUTIONS INC COMMON STOCK USD.001 | | 403,709.93 | 0.002% | 99.602% |
| 2231 | PRUDENTIAL BANCORP INC COMMON STOCK USD.01 | | 402,265.60 | 0.002% | 99.604% |
| 2232 | MMA CAPITAL HOLDINGS INC COMMON STOCK | | 401,083.20 | 0.002% | 99.606% |
| 2233 | TIDEWATER INC COMMON STOCK | | 400,084.82 | 0.002% | 99.608% |
| 2234 | GENCOR INDUSTRIES INC COMMON STOCK USD.1 | | 400,053.96 | 0.002% | 99.609% |
| 2235 | BANK OF COMMERCE HOLDINGS COMMON STOCK | | 399,130.32 | 0.002% | 99.611% |
| 2236 | UFP TECHNOLOGIES INC COMMON STOCK USD.01 | | 394,395.16 | 0.002% | 99.613% |
| 2237 | INVESTAR HOLDING CORP COMMON STOCK USD1.0 | | 393,154.40 | 0.002% | 99.615% |
| 2238 | PLAYA HOTELS + RESORTS NV COMMON STOCK USD.01 | | 391,660.87 | 0.002% | 99.616% |
| 2239 | FREIGHTCAR AMERICA INC COMMON STOCK USD.01 | | 386,929.53 | 0.002% | 99.618% |
| 2240 | VOXX INTERNATIONAL CORP COMMON STOCK USD.01 | | 386,309.88 | 0.002% | 99.620% |
| 2241 | WILLSCOT CORP COMMON STOCK | | 383,497.62 | 0.002% | 99.622% |
| 2242 | ACCESS NATIONAL CORP COMMON STOCK USD.835 | | 382,937.49 | 0.002% | 99.623% |
| 2243 | CASTLIGHT HEALTH INC B COMMON STOCK USD.0001 | | 382,929.05 | 0.002% | 99.625% |
| 2244 | DORIAN LPG LTD COMMON STOCK USD.01 | | 382,238.12 | 0.002% | 99.627% |
| 2245 | LIBBEY INC COMMON STOCK USD.01 | | 382,094.64 | 0.002% | 99.628% |
| 2246 | SALEM MEDIA GROUP INC COMMON STOCK USD.01 | | 381,970.49 | 0.002% | 99.630% |
| 2247 | NATURES SUNSHINE PRODS INC COMMON STOCK | | 381,868.25 | 0.002% | 99.632% |
| 2248 | PARKE BANCORP INC COMMON STOCK USD.1 | | 381,130.98 | 0.002% | 99.633% |
| 2249 | HOMETRUST BANCSHARES INC COMMON STOCK | | 380,788.10 | 0.002% | 99.635% |
| 2250 | EARTHSTONE ENERGY INC A COMMON STOCK USD.001 | | 378,757.92 | 0.002% | 99.637% |
| 2251 | FIRST NORTHWEST BANCORP COMMON STOCK | | 378,639.56 | 0.002% | 99.638% |
| 2252 | TRANSCAT INC COMMON STOCK USD.5 | | 375,911.28 | 0.002% | 99.640% |
| 2253 | CHIMERIX INC COMMON STOCK USD.001 | | 375,908.76 | 0.002% | 99.642% |
| 2254 | GENIE ENERGY LTD B COMMON STOCK | | 371,960.55 | 0.002% | 99.643% |
| 2255 | PREMIER FINANCIAL BANCORP COMMON STOCK | | 370,707.33 | 0.002% | 99.645% |
| 2256 | PICO HOLDINGS INC COMMON STOCK USD.001 | | 368,479.10 | 0.002% | 99.647% |
| 2257 | ENTEGRA FINANCIAL CORP COMMON STOCK | | 368,042.75 | 0.002% | 99.648% |
| 2258 | PROVIDENT BANCORP INC COMMON STOCK | | 366,261.92 | 0.002% | 99.650% |
| 2259 | OIL DRI CORP OF AMERICA COMMON STOCK USD.1 | | 365,541.00 | 0.002% | 99.652% |
| 2260 | ORION GROUP HOLDINGS INC COMMON STOCK USD.01 | | 365,006.07 | 0.002% | 99.653% |
| 2261 | STEEL CONNECT INC COMMON STOCK USD.01 | | 362,505.93 | 0.002% | 99.655% |
| 2262 | BASSETT FURNITURE INDS COMMON STOCK USD5.0 | | 361,681.92 | 0.002% | 99.656% |
| 2263 | DROPBOX INC CLASS A COMMON STOCK USD.00001 | | 361,467.99 | 0.002% | 99.658% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2264 | DESTINATION XL GROUP INC COMMON STOCK USD.01 | | 361,315.85 | 0.002% | 99.660% |
| 2265 | LSI INDUSTRIES INC COMMON STOCK | | 361,269.05 | 0.002% | 99.661% |
| 2266 | FONAR CORP COMMON STOCK USD.0001 | | 358,875.44 | 0.002% | 99.663% |
| 2267 | RCI HOSPITALITY HOLDINGS INC COMMON STOCK USD.01 | | 355,247.97 | 0.002% | 99.664% |
| 2268 | WILEY (JOHN) + SONS CL B COMMON STOCK USD1.0 | | 351,243.64 | 0.002% | 99.666% |
| 2269 | C + F FINANCIAL CORP COMMON STOCK USD1.0 | | 351,079.58 | 0.002% | 99.667% |
| 2270 | UNITED SECURITY BANCSHARE/CA COMMON STOCK | | 348,999.40 | 0.002% | 99.669% |
| 2271 | FIRST FINANCIAL NORTHWEST COMMON STOCK USD.01 | | 347,456.20 | 0.002% | 99.671% |
| 2272 | FS BANCORP INC COMMON STOCK | | 346,298.88 | 0.002% | 99.672% |
| 2273 | MIDWESTONE FINANCIAL GROUP I COMMON STOCK USD.01 | | 343,498.22 | 0.002% | 99.674% |
| 2274 | SMART GLOBAL HOLDINGS INC COMMON STOCK USD.01 | | 343,332.00 | 0.002% | 99.675% |
| 2275 | MIDDLEFIELD BANC CORP COMMON STOCK | | 343,004.12 | 0.002% | 99.677% |
| 2276 | ALBIREO PHARMA INC COMMON STOCK USD.01 | | 342,978.46 | 0.002% | 99.678% |
| 2277 | STARTEK INC COMMON STOCK USD.01 | | 341,031.95 | 0.002% | 99.680% |
| 2278 | TWO RIVER BANCORP COMMON STOCK | | 340,374.30 | 0.002% | 99.681% |
| 2279 | SHORE BANCSHARES INC COMMON STOCK USD.01 | | 337,051.74 | 0.001% | 99.683% |
| 2280 | FIBROGEN INC COMMON STOCK USD.01 | | 335,946.52 | 0.001% | 99.684% |
| 2281 | HUDSON TECHNOLOGIES INC COMMON STOCK USD.01 | | 335,474.82 | 0.001% | 99.686% |
| 2282 | NVE CORP COMMON STOCK USD.01 | | 333,965.10 | 0.001% | 99.687% |
| 2283 | HUDSON GLOBAL INC COMMON STOCK USD.001 | | 333,691.65 | 0.001% | 99.689% |
| 2284 | CHANNELADVISOR CORP COMMON STOCK USD.001 | | 333,519.75 | 0.001% | 99.690% |
| 2285 | HARVARD BIOSCIENCE INC COMMON STOCK USD.01 | | 331,651.74 | 0.001% | 99.692% |
| 2286 | PYXUS INTERNATIONAL INC COMMON STOCK | | 331,427.70 | 0.001% | 99.693% |
| 2287 | GOODRICH PETROLEUM CORP COMMON STOCK | | 327,051.00 | 0.001% | 99.694% |
| 2288 | HOWARD BANCORP INC COMMON STOCK USD.01 | | 326,240.20 | 0.001% | 99.696% |
| 2289 | COUNTY BANCORP INC COMMON STOCK USD.01 | | 325,270.62 | 0.001% | 99.697% |
| 2290 | KINGSTONE COS INC COMMON STOCK USD.01 | | 325,212.96 | 0.001% | 99.699% |
| 2291 | J ALEXANDER S HOLDINGS COMMON STOCK USD.001 | | 324,920.40 | 0.001% | 99.700% |
| 2292 | HILL INTERNATIONAL INC COMMON STOCK USD.0001 | | 324,807.56 | 0.001% | 99.702% |
| 2293 | LIVEPERSON INC COMMON STOCK USD.001 | | 323,222.68 | 0.001% | 99.703% |
| 2294 | DNB FINANCIAL CORP COMMON STOCK USD1.0 | | 321,273.00 | 0.001% | 99.705% |
| 2295 | NORTHEAST BANCORP COMMON STOCK USD1.0 | | 320,530.07 | 0.001% | 99.706% |
| 2296 | ARDELYX INC COMMON STOCK USD.000001 | | 320,472.65 | 0.001% | 99.707% |
| 2297 | PERFORMANT FINANCIAL CORP COMMON STOCK USD.01 | | 319,016.25 | 0.001% | 99.709% |
| 2298 | MACKINAC FINANCIAL CORP COMMON STOCK | | 317,485.35 | 0.001% | 99.710% |
| 2299 | INTEVAC INC COMMON STOCK | | 317,403.47 | 0.001% | 99.712% |
| 2300 | R1 RCM INC COMMON STOCK USD.01 | | 314,629.20 | 0.001% | 99.713% |
| 2301 | FIRST UNITED CORP COMMON STOCK USD.01 | | 314,085.68 | 0.001% | 99.714% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2302 | NATURAL HEALTH TRENDS CORP COMMON STOCK USD.001 | | 313,590.40 | 0.001% | 99.716% |
| 2303 | BCB BANCORP INC COMMON STOCK | | 313,053.00 | 0.001% | 99.717% |
| 2304 | ASTRONOVA INC COMMON STOCK USD.05 | | 312,300.00 | 0.001% | 99.719% |
| 2305 | PLUMAS BANCORP COMMON STOCK | | 312,285.21 | 0.001% | 99.720% |
| 2306 | GSI TECHNOLOGY INC COMMON STOCK USD.001 | | 311,242.42 | 0.001% | 99.721% |
| 2307 | KINSALE CAPITAL GROUP INC COMMON STOCK USD.01 | | 310,247.04 | 0.001% | 99.723% |
| 2308 | ZAFGEN INC COMMON STOCK USD.001 | | 310,132.35 | 0.001% | 99.724% |
| 2309 | AEGLEA BIOTHERAPEUTICS INC COMMON STOCK USD.0001 | | 309,981.14 | 0.001% | 99.725% |
| 2310 | BABCOCK + WILCOX ENTERPR COMMON STOCK USD.01 | | 309,827.69 | 0.001% | 99.727% |
| 2311 | WILLIS LEASE FINANCE CORP COMMON STOCK USD.01 | | 308,839.60 | 0.001% | 99.728% |
| 2312 | LIBERTY LATIN AMERIC CL C COMMON STOCK USD.01 | | 308,286.63 | 0.001% | 99.730% |
| 2313 | ROCKY BRANDS INC COMMON STOCK | | 307,970.00 | 0.001% | 99.731% |
| 2314 | TRINITY PLACE HOLDINGS INC COMMON STOCK | | 307,159.16 | 0.001% | 99.732% |
| 2315 | SAPIENS INTERNATIONAL CORP COMMON STOCK EUR.01 | | 306,556.79 | 0.001% | 99.734% |
| 2316 | RAFAEL HOLDINGS INC CLASS B COMMON STOCK USD.01 | | 306,423.13 | 0.001% | 99.735% |
| 2317 | EMCORE CORP COMMON STOCK | | 305,503.80 | 0.001% | 99.736% |
| 2318 | BASIC ENERGY SERVICES INC COMMON STOCK USD.01 | | 303,939.84 | 0.001% | 99.738% |
| 2319 | FIRST BUSINESS FINANCIAL SER COMMON STOCK USD.01 | | 303,907.27 | 0.001% | 99.739% |
| 2320 | MANITEX INTERNATIONAL INC COMMON STOCK | | 302,306.64 | 0.001% | 99.740% |
| 2321 | TESSCO TECHNOLOGIES INC COMMON STOCK USD.01 | | 301,128.00 | 0.001% | 99.742% |
| 2322 | PROTECTIVE INSURANCE CORP B COMMON STOCK | | 298,884.15 | 0.001% | 99.743% |
| 2323 | GRIFFIN INDUSTRIAL REALTY IN COMMON STOCK USD.01 | | 298,265.00 | 0.001% | 99.744% |
| 2324 | ULTRALIFE CORP COMMON STOCK USD.1 | | 297,897.75 | 0.001% | 99.746% |
| 2325 | CYBEROPTICS CORP COMMON STOCK | | 296,889.20 | 0.001% | 99.747% |
| 2326 | ESSA BANCORP INC COMMON STOCK USD.01 | | 296,605.61 | 0.001% | 99.748% |
| 2327 | VOCERA COMMUNICATIONS INC COMMON STOCK USD.0003 | | 296,344.85 | 0.001% | 99.750% |
| 2328 | CONTANGO OIL + GAS COMMON STOCK USD.04 | | 292,587.75 | 0.001% | 99.751% |
| 2329 | PCM INC COMMON STOCK USD.001 | | 292,079.46 | 0.001% | 99.752% |
| 2330 | BANKWELL FINANCIAL GROUP INC COMMON STOCK NPV | | 291,435.21 | 0.001% | 99.753% |
| 2331 | CLEAR CHANNEL OUTDOOR CL A COMMON STOCK USD.01 | | 289,980.87 | 0.001% | 99.755% |
| 2332 | GUARANTY BANCSHARES INC COMMON STOCK USD1.0 | | 288,478.68 | 0.001% | 99.756% |
| 2333 | SYNLOGIC INC COMMON STOCK USD.001 | | 288,188.11 | 0.001% | 99.757% |
| 2334 | SB FINANCIAL GROUP INC COMMON STOCK | | 287,447.30 | 0.001% | 99.759% |
| 2335 | CHEMUNG FINANCIAL CORP COMMON STOCK USD.01 | | 286,608.78 | 0.001% | 99.760% |
| 2336 | OCWEN FINANCIAL CORP COMMON STOCK USD.01 | | 285,286.00 | 0.001% | 99.761% |
| 2337 | URBAN ONE INC COMMON STOCK USD.001 | | 280,597.24 | 0.001% | 99.762% |
| 2338 | TELADOC HEALTH INC COMMON STOCK USD.001 | | 280,367.92 | 0.001% | 99.764% |
| 2339 | LIFEVANTAGE CORP COMMON STOCK USD.0001 | | 278,374.95 | 0.001% | 99.765% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2340 | YRC WORLDWIDE INC COMMON STOCK USD1.0 | | 278,308.80 | 0.001% | 99.766% |
| 2341 | FIRST MID ILLINOIS BNCSHS COMMON STOCK USD4.0 | | 278,182.80 | 0.001% | 99.767% |
| 2342 | EAGLE BULK SHIPPING INC COMMON STOCK USD.01 | | 276,733.69 | 0.001% | 99.769% |
| 2343 | SILVERBOW RESOURCES INC COMMON STOCK | | 275,807.88 | 0.001% | 99.770% |
| 2344 | INOVALON HOLDINGS INC A COMMON STOCK USD.000005 | | 274,950.20 | 0.001% | 99.771% |
| 2345 | TUESDAY MORNING CORP COMMON STOCK USD.01 | | 273,717.00 | 0.001% | 99.772% |
| 2346 | ADAMS RESOURCES + ENERGY INC COMMON STOCK USD.1 | | 273,176.47 | 0.001% | 99.773% |
| 2347 | CARVANA CO COMMON STOCK USD.001 | | 271,362.16 | 0.001% | 99.775% |
| 2348 | CBTX INC COMMON STOCK USD.01 | | 270,774.00 | 0.001% | 99.776% |
| 2349 | AFFIMED NV COMMON STOCK | | 269,615.23 | 0.001% | 99.777% |
| 2350 | ARC DOCUMENT SOLUTIONS INC COMMON STOCK USD.001 | | 268,441.35 | 0.001% | 99.778% |
| 2351 | HAWTHORN BANCSHARES INC COMMON STOCK USD1.0 | | 267,838.08 | 0.001% | 99.779% |
| 2352 | DELTA APPAREL INC COMMON STOCK USD.01 | | 266,909.93 | 0.001% | 99.781% |
| 2353 | BUILD A BEAR WORKSHOP INC COMMON STOCK USD.01 | | 265,692.80 | 0.001% | 99.782% |
| 2354 | HOUSTON WIRE + CABLE CO COMMON STOCK USD.001 | | 263,373.00 | 0.001% | 99.783% |
| 2355 | MVB FINANCIAL CORP COMMON STOCK USD1.0 | | 262,716.52 | 0.001% | 99.784% |
| 2356 | AMERICAN RIVER BANKSHRS (CA) COMMON STOCK | | 262,531.20 | 0.001% | 99.785% |
| 2357 | SYNDAX PHARMACEUTICALS INC COMMON STOCK USD.0001 | | 262,323.05 | 0.001% | 99.786% |
| 2358 | PFSWEB INC COMMON STOCK USD.001 | | 261,789.03 | 0.001% | 99.788% |
| 2359 | SOUTHERN MISSOURI BANCORP COMMON STOCK USD.01 | | 261,063.90 | 0.001% | 99.789% |
| 2360 | CELLDEX THERAPEUTICS INC COMMON STOCK USD.001 | | 260,926.20 | 0.001% | 99.790% |
| 2361 | CODORUS VALLEY BANCORP INC COMMON STOCK USD2.5 | | 260,525.00 | 0.001% | 99.791% |
| 2362 | ATLAS FINANCIAL HOLDINGS INC COMMON STOCK | | 258,669.66 | 0.001% | 99.792% |
| 2363 | NEW HOME CO INC/THE COMMON STOCK USD.01 | | 258,623.50 | 0.001% | 99.793% |
| 2364 | NI HOLDINGS INC COMMON STOCK USD.01 | | 258,601.20 | 0.001% | 99.794% |
| 2365 | COMPUTER TASK GROUP INC COMMON STOCK USD.01 | | 258,019.20 | 0.001% | 99.796% |
| 2366 | NORTHERN TECHNOLOGIES INTL COMMON STOCK USD.02 | | 257,462.59 | 0.001% | 99.797% |
| 2367 | MONARCH CASINO + RESORT INC COMMON STOCK USD.01 | | 257,178.02 | 0.001% | 99.798% |
| 2368 | QUORUM HEALTH CORP COMMON STOCK USD.0001 | | 256,744.71 | 0.001% | 99.799% |
| 2369 | EXTREME NETWORKS INC COMMON STOCK USD.001 | | 256,700.20 | 0.001% | 99.800% |
| 2370 | BRISTOW GROUP INC COMMON STOCK USD.01 | | 254,559.51 | 0.001% | 99.801% |
| 2371 | DIXIE GROUP INC COMMON STOCK USD3.0 | | 254,553.13 | 0.001% | 99.802% |
| 2372 | BSB BANCORP INC/MA COMMON STOCK USD.01 | | 254,139.42 | 0.001% | 99.804% |
| 2373 | ARDMORE SHIPPING CORP COMMON STOCK USD.01 | | 253,669.73 | 0.001% | 99.805% |
| 2374 | CUMBERLAND PHARMACEUTICALS COMMON STOCK | | 253,644.30 | 0.001% | 99.806% |
| 2375 | FIRST BANK/HAMILTON NJ COMMON STOCK USD.01 | | 253,150.44 | 0.001% | 99.807% |
| 2376 | CAMBRIDGE BANCORP COMMON STOCK USD1.0 | | 250,998.75 | 0.001% | 99.808% |
| 2377 | RICHARDSON ELEC LTD COMMON STOCK USD.05 | | 249,429.07 | 0.001% | 99.809% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2378 | PFENEX INC COMMON STOCK USD.001 | | 249,215.56 | 0.001% | 99.810% |
| 2379 | CENTRAL VALLEY COMM BANCORP COMMON STOCK | | 248,668.86 | 0.001% | 99.811% |
| 2380 | TELARIA INC COMMON STOCK USD.0001 | | 248,214.33 | 0.001% | 99.812% |
| 2381 | ARES MANAGEMENT CORP A COMMON STOCK | | 246,608.60 | 0.001% | 99.813% |
| 2382 | GAIA INC COMMON STOCK USD.0001 | | 246,578.36 | 0.001% | 99.815% |
| 2383 | LANDMARK BANCORP INC COMMON STOCK USD.01 | | 246,572.33 | 0.001% | 99.816% |
| 2384 | BIGLARI HOLDINGS INC A COMMON STOCK | | 243,883.05 | 0.001% | 99.817% |
| 2385 | MITCHAM INDUSTRIES INC COMMON STOCK USD.01 | | 243,532.80 | 0.001% | 99.818% |
| 2386 | LONESTAR RESOURCES US I CL A COMMON STOCK | | 243,458.65 | 0.001% | 99.819% |
| 2387 | THESTREET INC COMMON STOCK USD.01 | | 242,743.34 | 0.001% | 99.820% |
| 2388 | DERMIRA INC COMMON STOCK USD.001 | | 242,727.21 | 0.001% | 99.821% |
| 2389 | MSB FINANCIAL CORP/MD COMMON STOCK USD.01 | | 241,796.10 | 0.001% | 99.822% |
| 2390 | ACACIA RESEARCH CORP COMMON STOCK USD.001 | | 241,099.88 | 0.001% | 99.823% |
| 2391 | STRATTEC SECURITY CORP COMMON STOCK USD.01 | | 240,624.00 | 0.001% | 99.824% |
| 2392 | FIRST CHOICE BANCORP COMMON STOCK | | 240,057.20 | 0.001% | 99.825% |
| 2393 | TREVENA INC COMMON STOCK USD.001 | | 239,997.62 | 0.001% | 99.826% |
| 2394 | PERCEPTRON INC COMMON STOCK USD.01 | | 239,849.48 | 0.001% | 99.827% |
| 2395 | BIGLARI HOLDINGS INC B COMMON STOCK | | 239,540.22 | 0.001% | 99.829% |
| 2396 | EAGLE BANCORP MONTANA INC COMMON STOCK USD.01 | | 238,539.84 | 0.001% | 99.830% |
| 2397 | FLEXSTEEL INDS COMMON STOCK USD1.0 | | 237,823.68 | 0.001% | 99.831% |
| 2398 | TRAVELCENTERS OF AMERICA LLC COMMON STOCK USD.00001 | | 237,620.72 | 0.001% | 99.832% |
| 2399 | VIEWRAY INC COMMON STOCK USD.001 | | 237,591.94 | 0.001% | 99.833% |
| 2400 | LIBERTY MEDIA CORP BRAVES A TRACKING STK | | 237,304.10 | 0.001% | 99.834% |
| 2401 | VIACOM INC CLASS A COMMON STOCK USD.001 | | 234,827.64 | 0.001% | 99.835% |
| 2402 | FRED S INC CLASS A COMMON STOCK | | 234,789.03 | 0.001% | 99.836% |
| 2403 | OVERSEAS SHIPHOLDING GROUP A COMMON STOCK | | 234,182.84 | 0.001% | 99.837% |
| 2404 | FARMERS NATL BANC CORP COMMON STOCK | | 232,899.94 | 0.001% | 99.838% |
| 2405 | PROTAGONIST THERAPEUTICS INC COMMON STOCK USD.00001 | | 232,245.57 | 0.001% | 99.839% |
| 2406 | CATALYST BIOSCIENCES INC COMMON STOCK USD.001 | | 232,202.70 | 0.001% | 99.840% |
| 2407 | VERITEX HOLDINGS INC COMMON STOCK USD.01 | | 224,318.96 | 0.001% | 99.841% |
| 2408 | AMTECH SYSTEMS INC COMMON STOCK USD.01 | | 223,872.60 | 0.001% | 99.842% |
| 2409 | HMN FINANCIAL INC COMMON STOCK USD.01 | | 223,040.16 | 0.001% | 99.843% |
| 2410 | LAKELAND INDUSTRIES INC COMMON STOCK USD.01 | | 220,816.44 | 0.001% | 99.844% |
| 2411 | MEI PHARMA INC COMMON STOCK USD.00000002 | | 220,788.48 | 0.001% | 99.845% |
| 2412 | LUNA INNOVATIONS INC COMMON STOCK USD.001 | | 220,560.65 | 0.001% | 99.846% |
| 2413 | SALISBURY BANCORP INC COMMON STOCK USD.1 | | 219,684.96 | 0.001% | 99.847% |
| 2414 | ASHFORD INC COMMON STOCK USD.01 | | 219,121.80 | 0.001% | 99.848% |
| 2415 | PIER 1 IMPORTS INC COMMON STOCK USD.001 | | 216,912.81 | 0.001% | 99.849% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2416 | PROVIDENT FINANCIAL HLDGS COMMON STOCK USD.01 | | 216,643.50 | 0.001% | 99.850% |
| 2417 | BRIDGFORD FOODS CORP COMMON STOCK USD1.0 | | 216,324.69 | 0.001% | 99.851% |
| 2418 | FREQUENCY ELECTRONICS INC COMMON STOCK USD1.0 | | 215,572.20 | 0.001% | 99.852% |
| 2419 | UNIVERSAL TECHNICAL INSTITUT COMMON STOCK USD.0001 | | 214,222.15 | 0.001% | 99.853% |
| 2420 | FRONTIER COMMUNICATIONS CORP COMMON STOCK USD.25 | | 210,025.48 | 0.001% | 99.854% |
| 2421 | KEWAUNEE SCIENTIFIC CP COMMON STOCK USD2.5 | | 209,877.36 | 0.001% | 99.854% |
| 2422 | INDEPENDENCE CONTRACT DRILLI COMMON STOCK USD.01 | | 209,283.36 | 0.001% | 99.855% |
| 2423 | A MARK PRECIOUS METALS INC COMMON STOCK USD.01 | | 206,714.07 | 0.001% | 99.856% |
| 2424 | FARMERS + MERCHANTS BANCO/OH COMMON STOCK | | 205,959.99 | 0.001% | 99.857% |
| 2425 | CUTERA INC COMMON STOCK USD.001 | | 205,346.30 | 0.001% | 99.858% |
| 2426 | INTERNAP CORP COMMON STOCK USD.001 | | 205,018.30 | 0.001% | 99.859% |
| 2427 | HOPFED BANCORP INC COMMON STOCK USD.01 | | 204,825.48 | 0.001% | 99.860% |
| 2428 | HENNESSY ADVISORS INC COMMON STOCK | | 204,664.46 | 0.001% | 99.861% |
| 2429 | INVITAE CORP COMMON STOCK USD.0001 | | 201,988.78 | 0.001% | 99.862% |
| 2430 | TOWN SPORTS INTERNATIONAL COMMON STOCK USD.001 | | 201,651.20 | 0.001% | 99.863% |
| 2431 | GLOBALSCAPE INC COMMON STOCK USD.001 | | 201,523.84 | 0.001% | 99.864% |
| 2432 | CLEARFIELD INC COMMON STOCK USD.01 | | 201,227.20 | 0.001% | 99.864% |
| 2433 | PB BANCORP INC COMMON STOCK USD.01 | | 200,712.60 | 0.001% | 99.865% |
| 2434 | SEVERN BANCORP INC/MD COMMON STOCK USD.01 | | 199,308.48 | 0.001% | 99.866% |
| 2435 | COMMUNITY FIRST BANCSHARES I COMMON STOCK USD.01 | | 199,016.95 | 0.001% | 99.867% |
| 2436 | GREAT ELM CAPITAL GROUP INC COMMON STOCK | | 198,700.06 | 0.001% | 99.868% |
| 2437 | CRIMSON WINE GROUP LTD COMMON STOCK | | 194,944.23 | 0.001% | 99.869% |
| 2438 | GOLDFIELD CORP COMMON STOCK USD.1 | | 194,534.02 | 0.001% | 99.870% |
| 2439 | APYX MEDICAL CORP COMMON STOCK USD.001 | | 193,920.48 | 0.001% | 99.871% |
| 2440 | CITIZENS COMMUNITY BANCORP I COMMON STOCK USD.01 | | 192,188.80 | 0.001% | 99.871% |
| 2441 | NICHOLAS FINANCIAL INC COMMON STOCK | | 192,004.80 | 0.001% | 99.872% |
| 2442 | VALUE LINE INC COMMON STOCK USD.1 | | 191,511.63 | 0.001% | 99.873% |
| 2443 | SILVERCREST ASSET MANAGEME A COMMON STOCK USD.01 | | 191,001.51 | 0.001% | 99.874% |
| 2444 | LIBERTY MEDIA COR SIRIUSXM B TRACKING STK USD.01 | | 190,832.72 | 0.001% | 99.875% |
| 2445 | THE BANK OF PRINCETON COMMON STOCK USD5.0 | | 189,329.40 | 0.001% | 99.876% |
| 2446 | AWARE INC/MASS COMMON STOCK USD.01 | | 185,936.66 | 0.001% | 99.876% |
| 2447 | NORWOOD FINANCIAL CORP COMMON STOCK USD.1 | | 185,922.00 | 0.001% | 99.877% |
| 2448 | PIXELWORKS INC COMMON STOCK USD.001 | | 185,179.50 | 0.001% | 99.878% |
| 2449 | AGROFRESH SOLUTIONS INC COMMON STOCK | | 185,039.17 | 0.001% | 99.879% |
| 2450 | BANK OF SOUTH CAROLINA CORP COMMON STOCK | | 184,430.88 | 0.001% | 99.880% |
| 2451 | EVOQUA WATER TECHNOLOGIES CO COMMON STOCK USD.01 | | 183,811.20 | 0.001% | 99.881% |
| 2452 | TOWNSQUARE MEDIA INC CL A COMMON STOCK USD.01 | | 182,269.92 | 0.001% | 99.881% |
| 2453 | FIRST BANCSHARES INC/MS COMMON STOCK USD1.0 | | 180,229.50 | 0.001% | 99.882% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2454 | LINCOLN EDUCATIONAL SERVICES COMMON STOCK | | 180,137.60 | 0.001% | 99.883% |
| 2455 | RANDOLPH BANCORP INC COMMON STOCK | | 179,195.60 | 0.001% | 99.884% |
| 2456 | BLUE HILLS BANCORP INC COMMON STOCK USD.01 | | 178,914.56 | 0.001% | 99.885% |
| 2457 | FORESTAR GROUP INC COMMON STOCK USD1.0 | | 178,484.95 | 0.001% | 99.885% |
| 2458 | SHARPSRING INC COMMON STOCK USD.001 | | 178,474.60 | 0.001% | 99.886% |
| 2459 | NEW AGE BEVERAGES CORP COMMON STOCK USD.001 | | 178,349.60 | 0.001% | 99.887% |
| 2460 | BANCORP OF NEW JERSEY INC COMMON STOCK | | 178,152.66 | 0.001% | 99.888% |
| 2461 | OLD SECOND BANCORP INC COMMON STOCK USD1.0 | | 177,658.00 | 0.001% | 99.888% |
| 2462 | ASSEMBLY BIOSCIENCES INC COMMON STOCK USD.001 | | 177,363.42 | 0.001% | 99.889% |
| 2463 | BG STAFFING INC COMMON STOCK USD.01 | | 176,330.35 | 0.001% | 99.890% |
| 2464 | AROTECH CORP COMMON STOCK USD.01 | | 176,053.52 | 0.001% | 99.891% |
| 2465 | FIRST CAPITAL INC COMMON STOCK USD.01 | | 175,602.12 | 0.001% | 99.892% |
| 2466 | CPI AEROSTRUCTURES INC COMMON STOCK USD.001 | | 173,881.89 | 0.001% | 99.892% |
| 2467 | US AUTO PARTS NETWORK INC COMMON STOCK USD.001 | | 172,497.78 | 0.001% | 99.893% |
| 2468 | FINJAN HOLDINGS INC COMMON STOCK USD.001 | | 169,957.12 | 0.001% | 99.894% |
| 2469 | SAGA COMMUNICATIONS INC CL A COMMON STOCK USD.01 | | 169,273.62 | 0.001% | 99.895% |
| 2470 | SECURITY NATL FINL CORP CL A COMMON STOCK USD2.0 | | 169,046.76 | 0.001% | 99.895% |
| 2471 | PANGAEA LOGISTICS SOLUTIONS COMMON STOCK USD.0001 | | 168,904.32 | 0.001% | 99.896% |
| 2472 | TETRAPHASE PHARMACEUTICALS I COMMON STOCK USD.001 | | 168,584.70 | 0.001% | 99.897% |
| 2473 | NICOLET BANKSHARES INC COMMON STOCK | | 168,360.00 | 0.001% | 99.898% |
| 2474 | INFUSYSTEM HOLDINGS INC COMMON STOCK USD.0001 | | 166,891.60 | 0.001% | 99.898% |
| 2475 | NETSOL TECHNOLOGIES INC COMMON STOCK USD.001 | | 166,689.60 | 0.001% | 99.899% |
| 2476 | NATURAL ALTERNATIVES INTL COMMON STOCK USD.01 | | 166,628.33 | 0.001% | 99.900% |
| 2477 | AMERICAN RENAL ASSOCIATES HO COMMON STOCK USD.01 | | 166,579.20 | 0.001% | 99.901% |
| 2478 | PDL COMMUNITY BANCORP COMMON STOCK | | 166,040.42 | 0.001% | 99.901% |
| 2479 | A H BELO CORP A COMMON STOCK USD.01 | | 165,335.57 | 0.001% | 99.902% |
| 2480 | STANDARD AVB FINANCIAL CORP COMMON STOCK USD.01 | | 164,489.40 | 0.001% | 99.903% |
| 2481 | LIBERTY TAX INC COMMON STOCK USD.01 | | 163,340.25 | 0.001% | 99.904% |
| 2482 | AUBURN NATL BANCORPORATION COMMON STOCK USD.01 | | 162,194.18 | 0.001% | 99.904% |
| 2483 | CHIASMA INC COMMON STOCK USD.01 | | 160,936.28 | 0.001% | 99.905% |
| 2484 | QAD INC B COMMON STOCK USD.001 | | 160,588.80 | 0.001% | 99.906% |
| 2485 | FRANCESCAS HOLDINGS CORP COMMON STOCK USD.01 | | 160,142.20 | 0.001% | 99.906% |
| 2486 | SMARTFINANCIAL INC COMMON STOCK USD1.0 | | 159,734.61 | 0.001% | 99.907% |
| 2487 | SUMMIT STATE BANK COMMON STOCK | | 158,518.36 | 0.001% | 99.908% |
| 2488 | NATIONAL BANKSHARES INC/VA COMMON STOCK USD1.25 | | 157,159.02 | 0.001% | 99.908% |
| 2489 | OTONOMY INC COMMON STOCK USD.001 | | 156,271.35 | 0.001% | 99.909% |
| 2490 | COMSTOCK RESOURCES INC COMMON STOCK USD.5 | | 155,406.18 | 0.001% | 99.910% |
| 2491 | MAUI LAND + PINEAPPLE CO COMMON STOCK | | 154,484.16 | 0.001% | 99.911% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2492 | OLD POINT FINANCIAL CORP COMMON STOCK USD5.0 | | 153,945.16 | 0.001% | 99.911% |
| 2493 | TRANSACT TECHNOLOGIES INC COMMON STOCK USD.01 | | 153,818.42 | 0.001% | 99.912% |
| 2494 | INTEST CORP COMMON STOCK USD.01 | | 153,004.80 | 0.001% | 99.913% |
| 2495 | TURNING POINT BRANDS INC COMMON STOCK USD.01 | | 152,867.52 | 0.001% | 99.913% |
| 2496 | GUARANTY FEDERAL BNC SHS INC COMMON STOCK USD.1 | | 151,001.76 | 0.001% | 99.914% |
| 2497 | INFINITY PHARMACEUTICALS INC COMMON STOCK USD.001 | | 150,842.94 | 0.001% | 99.915% |
| 2498 | PENDRELL CORP COMMON STOCK USD.01 | | 150,000.00 | 0.001% | 99.915% |
| 2499 | PERMA PIPE INTERNATIONAL HOL COMMON STOCK USD.01 | | 148,137.50 | 0.001% | 99.916% |
| 2500 | CONTAINER STORE GROUP INC/TH COMMON STOCK USD.01 | | 148,108.50 | 0.001% | 99.917% |
| 2501 | TANDY LEATHER FACTORY INC COMMON STOCK USD.0024 | | 146,203.20 | 0.001% | 99.917% |
| 2502 | TURTLE BEACH CORP COMMON STOCK | | 145,739.51 | 0.001% | 99.918% |
| 2503 | INNODATA INC COMMON STOCK USD.01 | | 145,252.50 | 0.001% | 99.919% |
| 2504 | QUINTANA ENERGY SERVICES INC COMMON STOCK | | 144,987.84 | 0.001% | 99.919% |
| 2505 | LINDBLAD EXPEDITIONS HOLDING COMMON STOCK USD.0001 | | 144,748.84 | 0.001% | 99.920% |
| 2506 | PATRIOT TRANSPORTATION HOLDI COMMON STOCK USD.1 | | 144,070.08 | 0.001% | 99.920% |
| 2507 | PEAK RESORTS INC COMMON STOCK USD.01 | | 142,903.80 | 0.001% | 99.921% |
| 2508 | ALASKA COMM SYSTEMS GROUP COMMON STOCK USD.01 | | 142,823.52 | 0.001% | 99.922% |
| 2509 | COLONY BANKCORP COMMON STOCK USD1.0 | | 141,926.60 | 0.001% | 99.922% |
| 2510 | COMMUNITY WEST BANCSHARES COMMON STOCK | | 140,470.15 | 0.001% | 99.923% |
| 2511 | FEDERAL AGRIC MTG CORP CL A COMMON STOCK USD1.0 | | 140,195.40 | 0.001% | 99.924% |
| 2512 | CHEMOCENTRYX INC COMMON STOCK USD.001 | | 140,051.67 | 0.001% | 99.924% |
| 2513 | SCHULMAN A INC CVR COM COMMON STOCK | | 139,823.46 | 0.001% | 99.925% |
| 2514 | FIDELITY D+D BANCORP INC COMMON STOCK | | 139,463.14 | 0.001% | 99.925% |
| 2515 | RF INDUSTRIES LTD COMMON STOCK USD.01 | | 138,796.68 | 0.001% | 99.926% |
| 2516 | ASPEN AEROGELS INC COMMON STOCK USD.00001 | | 136,829.07 | 0.001% | 99.927% |
| 2517 | VIRCO MFG CORPORATION COMMON STOCK USD.01 | | 135,851.43 | 0.001% | 99.927% |
| 2518 | INSEEGO CORP COMMON STOCK | | 135,539.00 | 0.001% | 99.928% |
| 2519 | FIRST SAVINGS FINANCIAL GRP COMMON STOCK USD.01 | | 135,407.58 | 0.001% | 99.928% |
| 2520 | SMART SAND INC COMMON STOCK USD.001 | | 134,993.76 | 0.001% | 99.929% |
| 2521 | APOLLO ENDOSURGERY INC COMMON STOCK | | 134,619.00 | 0.001% | 99.930% |
| 2522 | LIMESTONE BANCORP INC COMMON STOCK | | 134,407.68 | 0.001% | 99.930% |
| 2523 | ELMIRA SAVINGS BANK COMMON STOCK USD1.0 | | 134,277.75 | 0.001% | 99.931% |
| 2524 | CORE MOLDING TECHNOLOGIES IN COMMON STOCK USD.01 | | 134,030.61 | 0.001% | 99.931% |
| 2525 | ITERIS INC COMMON STOCK USD.1 | | 133,843.59 | 0.001% | 99.932% |
| 2526 | ACCURAY INC COMMON STOCK USD.001 | | 133,290.08 | 0.001% | 99.933% |
| 2527 | MISONIX INC COMMON STOCK USD.01 | | 132,242.60 | 0.001% | 99.933% |
| 2528 | OAK VALLEY BANCORP COMMON STOCK | | 132,052.80 | 0.001% | 99.934% |
| 2529 | ATLANTICUS HOLDINGS CORP COMMON STOCK | | 131,218.36 | 0.001% | 99.934% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2530 | KALVISTA PHARMACEUTICALS INC COMMON STOCK USD.001 | | 130,547.50 | 0.001% | 99.935% |
| 2531 | ID SYSTEMS INC COMMON STOCK USD.01 | | 129,374.96 | 0.001% | 99.936% |
| 2532 | EPIZYME INC COMMON STOCK USD.0001 | | 129,070.48 | 0.001% | 99.936% |
| 2533 | CALIFORNIA FIRST NATL BANCOR COMMON STOCK USD.01 | | 128,807.45 | 0.001% | 99.937% |
| 2534 | NETWORK 1 TECHNOLOGIES INC COMMON STOCK USD.01 | | 128,169.25 | 0.001% | 99.937% |
| 2535 | TERRAFORM POWER INC A COMMON STOCK USD.01 | | 128,065.08 | 0.001% | 99.938% |
| 2536 | AIRGAIN INC COMMON STOCK USD.0001 | | 127,898.46 | 0.001% | 99.938% |
| 2537 | BRIGHTCOVE COMMON STOCK USD.001 | | 127,424.00 | 0.001% | 99.939% |
| 2538 | ASPEN GROUP INC COMMON STOCK USD.001 | | 126,977.08 | 0.001% | 99.939% |
| 2539 | KEY TRONIC CORP COMMON STOCK | | 126,865.10 | 0.001% | 99.940% |
| 2540 | BAYCOM CORP COMMON STOCK | | 126,279.21 | 0.001% | 99.941% |
| 2541 | KOPIN CORP COMMON STOCK USD.01 | | 125,091.78 | 0.001% | 99.941% |
| 2542 | GOLDEN OCEAN GROUP LTD COMMON STOCK USD.05 | | 124,795.44 | 0.001% | 99.942% |
| 2543 | MELINTA THERAPEUTICS INC COMMON STOCK USD.001 | | 124,424.57 | 0.001% | 99.942% |
| 2544 | LEVEL ONE BANCORP INC COMMON STOCK | | 124,262.20 | 0.001% | 99.943% |
| 2545 | ARK RESTAURANTS CORP COMMON STOCK USD.01 | | 124,223.76 | 0.001% | 99.943% |
| 2546 | STEWARDSHIP FINANCIAL CORP COMMON STOCK | | 122,740.80 | 0.001% | 99.944% |
| 2547 | OHIO VALLEY BANC CORP COMMON STOCK USD1.0 | | 122,697.13 | 0.001% | 99.944% |
| 2548 | WELLESLEY BANK COMMON STOCK | | 122,610.80 | 0.001% | 99.945% |
| 2549 | LRAD CORP COMMON STOCK USD.00001 | | 121,831.92 | 0.001% | 99.946% |
| 2550 | STEIN MART INC COMMON STOCK USD.01 | | 120,639.29 | 0.001% | 99.946% |
| 2551 | SIEBERT FINANCIAL CORP COMMON STOCK USD.01 | | 120,046.92 | 0.001% | 99.947% |
| 2552 | CORVUS PHARMACEUTICALS INC COMMON STOCK USD.0001 | | 119,770.45 | 0.001% | 99.947% |
| 2553 | APPLIED GENETIC TECHNOLOGIES COMMON STOCK USD.001 | | 119,475.18 | 0.001% | 99.948% |
| 2554 | CROWN CRAFTS INC COMMON STOCK USD.01 | | 119,426.40 | 0.001% | 99.948% |
| 2555 | WIRELESS TELECOM GROUP INC COMMON STOCK USD.01 | | 118,414.77 | 0.001% | 99.949% |
| 2556 | PEOPLES BANCORP OF NC COMMON STOCK | | 117,261.24 | 0.001% | 99.949% |
| 2557 | SUMMIT FINANCIAL GROUP INC COMMON STOCK USD2.5 | | 117,095.84 | 0.001% | 99.950% |
| 2558 | MID PENN BANCORP INC COMMON STOCK USD1.0 | | 116,527.24 | 0.001% | 99.950% |
| 2559 | AMCON DISTRIBUTING CO COMMON STOCK USD.01 | | 116,508.00 | 0.001% | 99.951% |
| 2560 | NORTHEAST COMMUNITY BANCORP COMMON STOCK USD.01 | | 116,472.30 | 0.001% | 99.951% |
| 2561 | UNION BANKSHARES INC /VT COMMON STOCK USD2.0 | | 116,462.25 | 0.001% | 99.952% |
| 2562 | CITIZENS FIRST CORP COMMON STOCK | | 116,193.46 | 0.001% | 99.952% |
| 2563 | KENTUCKY FIRST FEDERAL BANCO COMMON STOCK USD.01 | | 116,018.90 | 0.001% | 99.953% |
| 2564 | POLARITYTE INC COMMON STOCK USD.001 | | 115,946.55 | 0.001% | 99.953% |
| 2565 | BLUE CAPITAL REINSURANCE HOL COMMON STOCK USD1.0 | | 115,060.00 | 0.001% | 99.954% |
| 2566 | ESPEY MFG + ELECTRONICS CORP COMMON STOCK USD.333 | | 114,980.88 | 0.001% | 99.954% |
| 2567 | GREEN BRICK PARTNERS INC COMMON STOCK USD.01 | | 114,906.04 | 0.001% | 99.955% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2568 | PATHFINDER BANCORP INC COMMON STOCK USD.01 | | 114,869.70 | 0.001% | 99.955% |
| 2569 | ADURO BIOTECH INC COMMON STOCK USD.0001 | | 113,126.64 | 0.001% | 99.956% |
| 2570 | SPARK ENERGY INC CLASS A COMMON STOCK USD.01 | | 113,054.88 | 0.001% | 99.956% |
| 2571 | SURGERY PARTNERS INC COMMON STOCK USD.01 | | 110,705.32 | 0.000% | 99.957% |
| 2572 | MASTECH DIGITAL INC COMMON STOCK USD.01 | | 110,703.60 | 0.000% | 99.957% |
| 2573 | SYROS PHARMACEUTICALS INC COMMON STOCK USD.001 | | 110,592.35 | 0.000% | 99.958% |
| 2574 | DLH HOLDINGS CORP COMMON STOCK USD.001 | | 110,100.21 | 0.000% | 99.958% |
| 2575 | CARE.COM INC COMMON STOCK USD.001 | | 109,217.36 | 0.000% | 99.959% |
| 2576 | FRIEDMAN INDUSTRIES COMMON STOCK USD1.0 | | 108,555.90 | 0.000% | 99.959% |
| 2577 | SOUND FINANCIAL BANCORP INC COMMON STOCK USD.01 | | 107,382.45 | 0.000% | 99.960% |
| 2578 | UNITED BANCORP INC/OHIO COMMON STOCK USD1.0 | | 107,013.24 | 0.000% | 99.960% |
| 2579 | CARBO CERAMICS INC COMMON STOCK USD.01 | | 106,936.92 | 0.000% | 99.961% |
| 2580 | ALPHA PRO TECH LTD COMMON STOCK USD.01 | | 106,781.22 | 0.000% | 99.961% |
| 2581 | ALDEYRA THERAPEUTICS INC COMMON STOCK USD.001 | | 106,132.10 | 0.000% | 99.962% |
| 2582 | SMTC CORPORATION COMMON STOCK USD.01 | | 105,941.28 | 0.000% | 99.962% |
| 2583 | TECOGEN INC/WALTHAM MA COMMON STOCK USD.001 | | 105,502.32 | 0.000% | 99.963% |
| 2584 | PCSB FINANCIAL CORP COMMON STOCK USD.01 | | 105,487.08 | 0.000% | 99.963% |
| 2585 | ACME UNITED CORP COMMON STOCK USD2.5 | | 104,153.25 | 0.000% | 99.964% |
| 2586 | AIR T INC COMMON STOCK USD.25 | | 104,100.50 | 0.000% | 99.964% |
| 2587 | ALLEGIANCE BANCSHARES INC COMMON STOCK USD1.0 | | 103,325.04 | 0.000% | 99.964% |
| 2588 | ASURE SOFTWARE INC COMMON STOCK USD.01 | | 103,276.40 | 0.000% | 99.965% |
| 2589 | OPHTHOTECH CORP COMMON STOCK USD.001 | | 102,930.00 | 0.000% | 99.965% |
| 2590 | CENTRIC BRANDS INC COMMON STOCK USD.1 | | 102,735.36 | 0.000% | 99.966% |
| 2591 | ROCKY MOUNTAIN CHOC FACT INC COMMON STOCK USD.001 | | 102,627.23 | 0.000% | 99.966% |
| 2592 | BEASLEY BROADCAST GRP INC A COMMON STOCK USD.001 | | 101,902.50 | 0.000% | 99.967% |
| 2593 | LAUREATE EDUCATION INC A COMMON STOCK USD.001 | | 100,797.36 | 0.000% | 99.967% |
| 2594 | EASTMAN KODAK CO COMMON STOCK USD.01 | | 100,725.00 | 0.000% | 99.968% |
| 2595 | STEMLINE THERAPEUTICS INC COMMON STOCK USD.0001 | | 99,712.00 | 0.000% | 99.968% |
| 2596 | DAILY JOURNAL CORP COMMON STOCK USD.01 | | 99,684.00 | 0.000% | 99.969% |
| 2597 | LEE ENTERPRISES COMMON STOCK USD.01 | | 98,769.10 | 0.000% | 99.969% |
| 2598 | FULGENT GENETICS INC COMMON STOCK USD.0001 | | 98,187.58 | 0.000% | 99.969% |
| 2599 | CODA OCTOPUS GROUP INC COMMON STOCK USD.001 | | 97,860.88 | 0.000% | 99.970% |
| 2600 | COLLECTORS UNIVERSE COMMON STOCK USD.001 | | 97,684.64 | 0.000% | 99.970% |
| 2601 | HORNBECK OFFSHORE SERVICES COMMON STOCK USD.01 | | 97,297.92 | 0.000% | 99.971% |
| 2602 | EXONE CO/THE COMMON STOCK USD.01 | | 97,280.90 | 0.000% | 99.971% |
| 2603 | S+W SEED CO COMMON STOCK USD.001 | | 97,072.11 | 0.000% | 99.972% |
| 2604 | IF BANCORP INC COMMON STOCK USD.01 | | 96,797.32 | 0.000% | 99.972% |
| 2605 | TRANSENTERIX INC COMMON STOCK USD.001 | | 96,784.50 | 0.000% | 99.972% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2606 | RBB BANCORP COMMON STOCK | | 96,617.43 | 0.000% | 99.973% |
| 2607 | SERVICOURCE INTERNATIONAL COMMON STOCK USD.0001 | | 96,437.52 | 0.000% | 99.973% |
| 2608 | ACER THERAPEUTICS INC COMMON STOCK USD.0001 | | 96,233.96 | 0.000% | 99.974% |
| 2609 | UNITED BANCSHARES INC/OHIO COMMON STOCK USD1.0 | | 95,642.00 | 0.000% | 99.974% |
| 2610 | LIBERTY BROADBAND B COMMON STOCK USD.01 | | 95,370.65 | 0.000% | 99.975% |
| 2611 | MAGYAR BANCORP INC COMMON STOCK USD.01 | | 94,165.75 | 0.000% | 99.975% |
| 2612 | ALITHYA GROUP INC CLASS A COMMON STOCK | | 93,048.57 | 0.000% | 99.975% |
| 2613 | WAYSIDE TECHNOLOGY GROUP INC COMMON STOCK USD.01 | | 91,920.00 | 0.000% | 99.976% |
| 2614 | MCCLATCHY CO CLASS A COMMON STOCK USD.01 | | 91,738.80 | 0.000% | 99.976% |
| 2615 | BK TECHNOLOGIES INC COMMON STOCK USD.6 | | 91,672.50 | 0.000% | 99.977% |
| 2616 | AUTOWEB INC COMMON STOCK USD.001 | | 91,149.25 | 0.000% | 99.977% |
| 2617 | DULUTH HOLDINGS INC CL B COMMON STOCK | | 90,853.23 | 0.000% | 99.977% |
| 2618 | FTD COS INC COMMON STOCK USD.0001 | | 90,093.52 | 0.000% | 99.978% |
| 2619 | FIRST US BANCSHARES INC COMMON STOCK USD.01 | | 89,842.95 | 0.000% | 99.978% |
| 2620 | MAYS (J.W.) INC COMMON STOCK USD1.0 | | 89,536.23 | 0.000% | 99.979% |
| 2621 | EIGER BIOPHARMACEUTICALS INC COMMON STOCK USD.0001 | | 88,422.48 | 0.000% | 99.979% |
| 2622 | SIMULATIONS PLUS INC COMMON STOCK USD.001 | | 87,560.00 | 0.000% | 99.979% |
| 2623 | MANNATECH INC COMMON STOCK USD.0001 | | 86,367.20 | 0.000% | 99.980% |
| 2624 | ISSUER DIRECT CORP COMMON STOCK USD.01 | | 86,316.75 | 0.000% | 99.980% |
| 2625 | AMREP CORP COMMON STOCK USD.1 | | 86,019.15 | 0.000% | 99.981% |
| 2626 | UNITED GUARDIAN INC COMMON STOCK USD.1 | | 85,372.70 | 0.000% | 99.981% |
| 2627 | HARLEYSVILLE FINANCIAL CORP COMMON STOCK USD.01 | | 83,157.70 | 0.000% | 99.981% |
| 2628 | HAMILTON BANCORP INC/MD COMMON STOCK | | 83,094.20 | 0.000% | 99.982% |
| 2629 | CITIZENS HOLDING COMPANY COMMON STOCK USD.2 | | 82,827.36 | 0.000% | 99.982% |
| 2630 | SOUTHWEST GEORGIA FINL CORP COMMON STOCK USD1.0 | | 82,782.96 | 0.000% | 99.982% |
| 2631 | SUPPORT.COM INC COMMON STOCK USD.0001 | | 82,643.70 | 0.000% | 99.983% |
| 2632 | ACETO CORP COMMON STOCK USD.01 | | 82,617.36 | 0.000% | 99.983% |
| 2633 | SPRING BANK PHARMACEUTICALS COMMON STOCK USD.0001 | | 82,143.34 | 0.000% | 99.983% |
| 2634 | DATA I/O CORP COMMON STOCK | | 81,530.00 | 0.000% | 99.984% |
| 2635 | HORIZON GLOBAL CORP COMMON STOCK USD.01 | | 80,704.91 | 0.000% | 99.984% |
| 2636 | LIBERTY LATIN AMERIC CL A COMMON STOCK USD.01 | | 80,508.80 | 0.000% | 99.985% |
| 2637 | PQ GROUP HOLDINGS INC COMMON STOCK | | 80,344.25 | 0.000% | 99.985% |
| 2638 | APTEVO THERAPEUTICS INC COMMON STOCK USD.001 | | 80,173.83 | 0.000% | 99.985% |
| 2639 | REVANCE THERAPEUTICS INC COMMON STOCK USD.001 | | 79,956.36 | 0.000% | 99.986% |
| 2640 | HARBORONE BANCORP INC COMMON STOCK | | 78,226.47 | 0.000% | 99.986% |
| 2641 | CSS INDUSTRIES INC COMMON STOCK USD.1 | | 77,142.00 | 0.000% | 99.986% |
| 2642 | ALJ REGIONAL HOLDINGS INC COMMON STOCK USD.01 | | 76,670.37 | 0.000% | 99.987% |
| 2643 | AMERISERV FINANCIAL INC COMMON STOCK USD.01 | | 76,021.92 | 0.000% | 99.987% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2644 | PROTECTIVE INSURANCE CORP A COMMON STOCK | | 75,378.00 | 0.000% | 99.987% |
| 2645 | FAUQUIER BANKSHARES INC COMMON STOCK USD3.13 | | 75,366.72 | 0.000% | 99.988% |
| 2646 | XBIOTECH INC COMMON STOCK | | 75,031.60 | 0.000% | 99.988% |
| 2647 | MERRIMACK PHARMACEUTICALS IN COMMON STOCK USD.01 | | 75,019.10 | 0.000% | 99.988% |
| 2648 | ESQUIRE FINANCIAL HOLDINGS I COMMON STOCK USD.01 | | 74,474.40 | 0.000% | 99.989% |
| 2649 | CALADRIUS BIOSCIENCES INC COMMON STOCK USD.001 | | 74,211.76 | 0.000% | 99.989% |
| 2650 | FLANIGAN S ENTERPRISES INC COMMON STOCK USD.1 | | 74,096.33 | 0.000% | 99.989% |
| 2651 | JOUNCE THERAPEUTICS INC COMMON STOCK USD.001 | | 73,803.00 | 0.000% | 99.990% |
| 2652 | DESTINATION MATERNITY CORP COMMON STOCK USD.01 | | 73,672.44 | 0.000% | 99.990% |
| 2653 | EMMIS COMMUNICATIONS CLASS A COMMON STOCK USD.01 | | 73,401.90 | 0.000% | 99.990% |
| 2654 | BANCORP 34 INC COMMON STOCK USD.01 | | 73,166.40 | 0.000% | 99.991% |
| 2655 | MIDSTATES PETROLEUM CO INC COMMON STOCK | | 73,117.36 | 0.000% | 99.991% |
| 2656 | UNIQUE FABRICATING INC COMMON STOCK USD.001 | | 73,090.40 | 0.000% | 99.991% |
| 2657 | INNOVATIVE SOLUTIONS + SUPP COMMON STOCK USD.001 | | 71,699.99 | 0.000% | 99.992% |
| 2658 | SAVARA INC COMMON STOCK USD.001 | | 71,604.63 | 0.000% | 99.992% |
| 2659 | VERU INC COMMON STOCK USD.01 | | 70,669.20 | 0.000% | 99.992% |
| 2660 | CAROLINA TRUST BANCSHARES IN COMMON STOCK | | 70,562.22 | 0.000% | 99.992% |
| 2661 | COMPX INTERNATIONAL INC COMMON STOCK USD.01 | | 70,513.41 | 0.000% | 99.993% |
| 2662 | LIPOCINE INC COMMON STOCK USD.0001 | | 70,435.30 | 0.000% | 99.993% |
| 2663 | XENON PHARMACEUTICALS INC COMMON STOCK | | 70,167.20 | 0.000% | 99.993% |
| 2664 | ALPHATEC HOLDINGS INC COMMON STOCK USD.0001 | | 69,984.69 | 0.000% | 99.994% |
| 2665 | RAMACO RESOURCES INC COMMON STOCK | | 69,131.70 | 0.000% | 99.994% |
| 2666 | PZENA INVESTMENT MANAGM CL A COMMON STOCK USD.01 | | 69,035.65 | 0.000% | 99.994% |
| 2667 | IDENTIV INC COMMON STOCK USD.001 | | 68,054.40 | 0.000% | 99.995% |
| 2668 | COCRYSTAL PHARMA INC COMMON STOCK USD.001 | | 67,701.60 | 0.000% | 99.995% |
| 2669 | IEC ELECTRONICS CORP COMMON STOCK USD.01 | | 67,667.60 | 0.000% | 99.995% |
| 2670 | SIERRA ONCOLOGY INC COMMON STOCK USD.001 | | 67,359.60 | 0.000% | 99.996% |
| 2671 | MANNING + NAPIER INC COMMON STOCK USD.01 | | 67,251.36 | 0.000% | 99.996% |
| 2672 | DONEGAL GROUP INC B COMMON STOCK USD.01 | | 67,000.40 | 0.000% | 99.996% |
| 2673 | NORTHWAY FINANCIAL INC COMMON STOCK USD1. | | 66,636.60 | 0.000% | 99.996% |
| 2674 | VBI VACCINES INC COMMON STOCK | | 66,625.60 | 0.000% | 99.997% |
| 2675 | MOLECULAR TEMPLATES INC COMMON STOCK USD.001 | | 66,001.48 | 0.000% | 99.997% |
| 2676 | EDUCATIONAL DEVELOPMENT CORP COMMON STOCK USD.2 | | 64,981.54 | 0.000% | 99.997% |
| 2677 | BLACK BOX CORP COMMON STOCK USD.001 | | 64,717.92 | 0.000% | 99.998% |
| 2678 | COMMUNICATIONS SYSTEMS INC COMMON STOCK USD.05 | | 64,168.30 | 0.000% | 99.998% |
| 2679 | LIMBACH HOLDINGS INC COMMON STOCK USD.0001 | | 64,157.12 | 0.000% | 99.998% |
| 2680 | MOLSON COORS BREWING CO A COMMON STOCK USD.01 | | 62,888.10 | 0.000% | 99.998% |
| 2681 | PIERIS PHARMACEUTICALS INC COMMON STOCK USD.001 | | 62,382.32 | 0.000% | 99.999% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2682 | LANTRONIX INC COMMON STOCK USD.0001 | | 62,328.00 | 0.000% | 99.999% |
| 2683 | EP ENERGY CORP CL A COMMON STOCK USD.01 | | 62,318.20 | 0.000% | 99.999% |
| 2684 | BOWL AMERICA INC CLASS A COMMON STOCK USD.1 | | 61,712.48 | 0.000% | 100.000% |
| 2685 | PRO DEX INC COMMON STOCK | | 61,608.00 | 0.000% | 100.000% |
| 2686 | FAMOUS DAVE S OF AMERICA COMMON STOCK USD.01 | | 60,831.27 | 0.000% | 100.000% |
| 2687 | CAMPING WORLD HOLDINGS INC A COMMON STOCK USD.01 | | 60,710.71 | 0.000% | 100.000% |
| 2688 | USA TECHNOLOGIES INC COMMON STOCK | | 60,314.45 | 0.000% | 100.001% |
| 2689 | GSE SYSTEMS INC COMMON STOCK USD.01 | | 60,043.20 | 0.000% | 100.001% |
| 2690 | BEL FUSE INC CL A COMMON STOCK USD.1 | | 59,867.50 | 0.000% | 100.001% |
| 2691 | LAKE SHORE BANCORP INC COMMON STOCK USD.01 | | 59,555.20 | 0.000% | 100.001% |
| 2692 | CELADON GROUP INC COMMON STOCK USD.033 | | 59,289.39 | 0.000% | 100.002% |
| 2693 | ZEDGE INC CL B COMMON STOCK | | 58,982.11 | 0.000% | 100.002% |
| 2694 | RANGER ENERGY SERVICES INC COMMON STOCK | | 58,896.64 | 0.000% | 100.002% |
| 2695 | ALTISOURCE ASSET MANAGEMENT COMMON STOCK | | 58,697.13 | 0.000% | 100.002% |
| 2696 | PROFIRE ENERGY INC COMMON STOCK USD.001 | | 58,604.65 | 0.000% | 100.003% |
| 2697 | SENECA FOODS CORP CL B COMMON STOCK USD.25 | | 57,681.15 | 0.000% | 100.003% |
| 2698 | EMCLAIRE FINANCIAL CORP COMMON STOCK USD1.25 | | 57,646.00 | 0.000% | 100.003% |
| 2699 | COLLEGIUM PHARMACEUTICAL INC COMMON STOCK USD.001 | | 57,399.31 | 0.000% | 100.003% |
| 2700 | IRIDEX CORP COMMON STOCK USD.01 | | 56,884.10 | 0.000% | 100.004% |
| 2701 | CATALYST PHARMACEUTICALS INC COMMON STOCK USD.001 | | 55,785.60 | 0.000% | 100.004% |
| 2702 | ROCKET PHARMACEUTICALS INC COMMON STOCK USD.01 | | 55,649.10 | 0.000% | 100.004% |
| 2703 | PRIMEENERGY CORP COMMON STOCK USD.1 | | 55,472.00 | 0.000% | 100.004% |
| 2704 | OCONEE FEDERAL FINANCIAL COR COMMON STOCK USD.01 | | 55,402.50 | 0.000% | 100.005% |
| 2705 | ELEVATE CREDIT INC COMMON STOCK | | 55,287.68 | 0.000% | 100.005% |
| 2706 | GOOSEHEAD INSURANCE INC A COMMON STOCK USD.01 | | 55,209.00 | 0.000% | 100.005% |
| 2707 | SESEN BIO INC COMMON STOCK USD.001 | | 55,181.20 | 0.000% | 100.005% |
| 2708 | WILLIAMS INDUSTRIAL SERVICES COMMON STOCK USD.01 | | 55,081.26 | 0.000% | 100.006% |
| 2709 | ADVANCED EMISSIONS SOLUTIONS COMMON STOCK | | 54,944.40 | 0.000% | 100.006% |
| 2710 | CSP INC COMMON STOCK USD.01 | | 54,682.69 | 0.000% | 100.006% |
| 2711 | CYNERGISTEK INC/DE COMMON STOCK USD.001 | | 54,671.16 | 0.000% | 100.006% |
| 2712 | NATIONAL HOLDINGS CORP COMMON STOCK USD.02 | | 54,445.50 | 0.000% | 100.007% |
| 2713 | PROGENICS PHARMACEUTICALS COMMON STOCK USD.0013 | | 53,499.60 | 0.000% | 100.007% |
| 2714 | FLEXION THERAPEUTICS INC COMMON STOCK USD.001 | | 53,351.16 | 0.000% | 100.007% |
| 2715 | BANK OF THE JAMES FINANCIAL COMMON STOCK USD2.14 | | 52,793.00 | 0.000% | 100.007% |
| 2716 | OVID THERAPEUTICS INC COMMON STOCK USD.001 | | 51,935.62 | 0.000% | 100.008% |
| 2717 | CENTRAL EUROPEAN MEDIA ENT A COMMON STOCK USD.08 | | 51,924.84 | 0.000% | 100.008% |
| 2718 | SENSUS HEALTHCARE INC COMMON STOCK USD.01 | | 51,136.41 | 0.000% | 100.008% |
| 2719 | BERKSHIRE BANCORP INC COMMON STOCK USD.1 | | 50,435.00 | 0.000% | 100.008% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2720 | IRADIMED CORP COMMON STOCK USD.0001 | | 49,898.40 | 0.000% | 100.009% |
| 2721 | NOBILITY HOMES INC COMMON STOCK USD.1 | | 49,861.50 | 0.000% | 100.009% |
| 2722 | COMMERCIAL NATL FINL CORP/PA COMMON STOCK USD2. | | 48,875.67 | 0.000% | 100.009% |
| 2723 | PERMA FIX ENVIRONMENTAL SVCS COMMON STOCK USD.001 | | 48,734.30 | 0.000% | 100.009% |
| 2724 | FULL HOUSE RESORTS INC COMMON STOCK USD.0001 | | 48,387.08 | 0.000% | 100.009% |
| 2725 | CHRISTOPHER + BANKS CORP COMMON STOCK USD.01 | | 48,269.62 | 0.000% | 100.010% |
| 2726 | AQUINOX PHARMACEUTICALS INC COMMON STOCK USD.000001 | | 48,222.00 | 0.000% | 100.010% |
| 2727 | CCUR HOLDINGS INC COMMON STOCK USD.01 | | 47,237.01 | 0.000% | 100.010% |
| 2728 | RCM TECHNOLOGIES INC COMMON STOCK USD.05 | | 47,092.10 | 0.000% | 100.010% |
| 2729 | BSQUARE CORP COMMON STOCK | | 47,022.35 | 0.000% | 100.010% |
| 2730 | HAVERTY FURNITURE COS CL A COMMON STOCK USD1.0 | | 46,889.96 | 0.000% | 100.011% |
| 2731 | ALPINE IMMUNE SCIENCES INC COMMON STOCK USD.001 | | 46,647.68 | 0.000% | 100.011% |
| 2732 | EROS INTERNATIONAL PLC COMMON STOCK GBP.3 | | 45,595.00 | 0.000% | 100.011% |
| 2733 | LAZYDAYS HOLDINGS INC COMMON STOCK USD.0001 | | 44,247.60 | 0.000% | 100.011% |
| 2734 | CENTRAL FEDERAL CORP COMMON STOCK USD.01 | | 43,860.88 | 0.000% | 100.011% |
| 2735 | DISCOVERY INC B COMMON STOCK USD.01 | | 43,790.81 | 0.000% | 100.012% |
| 2736 | PATRIOT NATIONAL BANCORP INC COMMON STOCK USD2.0 | | 43,263.00 | 0.000% | 100.012% |
| 2737 | ELECTROMED INC COMMON STOCK USD.01 | | 43,234.46 | 0.000% | 100.012% |
| 2738 | WILLAMETTE VALLEY VINEYARDS COMMON STOCK | | 43,131.40 | 0.000% | 100.012% |
| 2739 | PIONEER POWER SOLUTIONS INC COMMON STOCK USD.001 | | 43,050.00 | 0.000% | 100.012% |
| 2740 | ECOLOGY AND ENVIRON CL A COMMON STOCK USD.01 | | 42,717.78 | 0.000% | 100.013% |
| 2741 | TAYLOR DEVICES INC COMMON STOCK USD.025 | | 42,624.00 | 0.000% | 100.013% |
| 2742 | ATLANTIC AMERICAN CORP COMMON STOCK USD1.0 | | 42,502.46 | 0.000% | 100.013% |
| 2743 | MARIN SOFTWARE INC COMMON STOCK USD.001 | | 42,453.45 | 0.000% | 100.013% |
| 2744 | GRAY TELEVISION INC A COMMON STOCK | | 42,265.00 | 0.000% | 100.013% |
| 2745 | IMMUCELL CORP COMMON STOCK USD.1 | | 40,510.80 | 0.000% | 100.014% |
| 2746 | SYNACOR INC COMMON STOCK USD.01 | | 40,056.20 | 0.000% | 100.014% |
| 2747 | LIFEWAY FOODS INC COMMON STOCK | | 40,030.84 | 0.000% | 100.014% |
| 2748 | PEOPLES FINANCIAL SERVICES COMMON STOCK USD2.0 | | 39,742.12 | 0.000% | 100.014% |
| 2749 | LIGHTPATH TECHNOLOGIES INC A COMMON STOCK USD.01 | | 39,379.21 | 0.000% | 100.014% |
| 2750 | OCEAN BIO CHEM INC COMMON STOCK USD.01 | | 39,360.00 | 0.000% | 100.014% |
| 2751 | TRUPANION INC COMMON STOCK USD.00001 | | 39,132.02 | 0.000% | 100.015% |
| 2752 | HARTE HANKS INC COMMON STOCK USD1.0 | | 38,419.92 | 0.000% | 100.015% |
| 2753 | EMERSON RADIO CORP COMMON STOCK USD.01 | | 37,944.00 | 0.000% | 100.015% |
| 2754 | LADENBURG THALMANN FINANCIAL COMMON STOCK USD.0001 | | 37,526.98 | 0.000% | 100.015% |
| 2755 | GAINSCO INC COMMON STOCK USD.1 | | 37,301.00 | 0.000% | 100.015% |
| 2756 | SHARPS COMPLIANCE CORP COMMON STOCK USD.01 | | 37,273.92 | 0.000% | 100.015% |
| 2757 | SEARS HOMETOWN AND OUTLET ST COMMON STOCK USD.01 | | 37,172.76 | 0.000% | 100.016% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2758 | ABEONA THERAPEUTICS INC COMMON STOCK USD.01 | | 37,142.28 | 0.000% | 100.016% |
| 2759 | BALLANTYNE STRONG INC COMMON STOCK USD.01 | | 35,975.45 | 0.000% | 100.016% |
| 2760 | 1347 PROPERTY INSURANCE HOLD COMMON STOCK USD.001 | | 35,906.64 | 0.000% | 100.016% |
| 2761 | FIRST ACCEPTANCE CORP COMMON STOCK USD.01 | | 35,844.64 | 0.000% | 100.016% |
| 2762 | GOOD TIMES RESTAURANTS INC COMMON STOCK USD.001 | | 35,750.00 | 0.000% | 100.016% |
| 2763 | SOLENO THERAPEUTICS INC COMMON STOCK USD.001 | | 35,463.69 | 0.000% | 100.017% |
| 2764 | DOVER MOTORSPORTS INC COMMON STOCK USD.1 | | 35,114.64 | 0.000% | 100.017% |
| 2765 | VAALCO ENERGY INC COMMON STOCK USD.1 | | 34,714.05 | 0.000% | 100.017% |
| 2766 | UNICO AMERICAN CORP COMMON STOCK | | 34,607.50 | 0.000% | 100.017% |
| 2767 | SUPERIOR DRILLING PRODUCTS I COMMON STOCK USD.001 | | 34,543.08 | 0.000% | 100.017% |
| 2768 | ICAD INC COMMON STOCK USD.01 | | 34,243.50 | 0.000% | 100.017% |
| 2769 | IMMUNE DESIGN CORP COMMON STOCK USD.001 | | 34,136.70 | 0.000% | 100.017% |
| 2770 | POLAR POWER INC COMMON STOCK | | 33,906.60 | 0.000% | 100.018% |
| 2771 | ONCOMED PHARMACEUTICALS INC COMMON STOCK USD.001 | | 33,872.12 | 0.000% | 100.018% |
| 2772 | ADMA BIOLOGICS INC COMMON STOCK USD.0001 | | 33,763.53 | 0.000% | 100.018% |
| 2773 | WESTELL TECHNOLOGIES INC A COMMON STOCK USD.01 | | 33,643.89 | 0.000% | 100.018% |
| 2774 | INTELLICHECK INC COMMON STOCK USD.001 | | 33,384.00 | 0.000% | 100.018% |
| 2775 | VINCE HOLDING CORP COMMON STOCK USD.001 | | 33,233.46 | 0.000% | 100.018% |
| 2776 | EVINE LIVE INC COMMON STOCK USD.01 | | 32,770.43 | 0.000% | 100.018% |
| 2777 | CLEARONE INC COMMON STOCK USD.001 | | 32,472.50 | 0.000% | 100.019% |
| 2778 | ALLENA PHARMACEUTICALS INC COMMON STOCK USD.001 | | 32,165.90 | 0.000% | 100.019% |
| 2779 | CONTANGO ORE INC COMMON STOCK USD.001 | | 31,867.50 | 0.000% | 100.019% |
| 2780 | WVS FINANCIAL CORP COMMON STOCK USD.01 | | 31,858.89 | 0.000% | 100.019% |
| 2781 | ARQULE INC COMMON STOCK USD.01 | | 31,699.88 | 0.000% | 100.019% |
| 2782 | NEWSSTAR FINANCIAL INCCVR COMMON STOCK | | 31,302.51 | 0.000% | 100.019% |
| 2783 | NATIONAL SECURITY GROUP INC COMMON STOCK USD1.0 | | 31,250.02 | 0.000% | 100.019% |
| 2784 | STRATA SKIN SCIENCES INC COMMON STOCK USD.001 | | 31,231.20 | 0.000% | 100.020% |
| 2785 | OPTICAL CABLE CORP COMMON STOCK | | 31,051.50 | 0.000% | 100.020% |
| 2786 | FSB BANCORP INC/NY COMMON STOCK USD.01 | | 31,051.35 | 0.000% | 100.020% |
| 2787 | TRACON PHARMACEUTICALS INC COMMON STOCK USD.001 | | 30,961.35 | 0.000% | 100.020% |
| 2788 | FUNKO INC CLASS A COMMON STOCK USD.0001 | | 30,245.00 | 0.000% | 100.020% |
| 2789 | COMMAND SECURITY CORPORATION COMMON STOCK USD.0001 | | 29,937.74 | 0.000% | 100.020% |
| 2790 | ADESTO TECHNOLOGIES CORP COMMON STOCK USD.0001 | | 29,040.00 | 0.000% | 100.020% |
| 2791 | SCYNEXIS INC COMMON STOCK USD.001 | | 28,969.92 | 0.000% | 100.021% |
| 2792 | PSYCHEMEDICS CORP COMMON STOCK USD.005 | | 28,724.70 | 0.000% | 100.021% |
| 2793 | EVOLVING SYSTEMS INC COMMON STOCK USD.001 | | 28,364.16 | 0.000% | 100.021% |
| 2794 | LGL GROUP INC/THE COMMON STOCK USD.01 | | 28,102.70 | 0.000% | 100.021% |
| 2795 | KELLY SERVICES INC CL B COMMON STOCK USD1.0 | | 27,877.88 | 0.000% | 100.021% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2796 | MEDICAL TRANSCRIPTION BILLIN COMMON STOCK USD.001 | | 27,789.40 | 0.000% | 100.021% |
| 2797 | PROPHASE LABS INC COMMON STOCK USD.0005 | | 27,706.88 | 0.000% | 100.021% |
| 2798 | NCS MULTISTAGE HOLDINGS INC COMMON STOCK USD.01 | | 27,501.27 | 0.000% | 100.021% |
| 2799 | CELSION CORP COMMON STOCK USD.01 | | 26,709.63 | 0.000% | 100.022% |
| 2800 | ARC GROUP WORLDWIDE INC COMMON STOCK USD.0005 | | 26,469.00 | 0.000% | 100.022% |
| 2801 | RED VIOLET INC COMMON STOCK USD.001 | | 26,353.40 | 0.000% | 100.022% |
| 2802 | ARAVIVE INC COMMON STOCK USD.0001 | | 26,294.40 | 0.000% | 100.022% |
| 2803 | QUMU CORP COMMON STOCK USD.01 | | 26,180.10 | 0.000% | 100.022% |
| 2804 | BROADWIND ENERGY INC COMMON STOCK USD.001 | | 25,781.60 | 0.000% | 100.022% |
| 2805 | VAXART INC COMMON STOCK USD.1 | | 25,715.00 | 0.000% | 100.022% |
| 2806 | ACM RESEARCH INC CLASS A COMMON STOCK USD.0001 | | 25,622.40 | 0.000% | 100.022% |
| 2807 | CHECKPOINT THERAPEUTICS INC COMMON STOCK | | 25,085.06 | 0.000% | 100.022% |
| 2808 | NABRIVA THERAPEUTICS PLC COMMON STOCK | | 24,657.94 | 0.000% | 100.023% |
| 2809 | FFBW INC COMMON STOCK | | 24,653.74 | 0.000% | 100.023% |
| 2810 | SIFCO INDUSTRIES COMMON STOCK USD1.0 | | 24,557.10 | 0.000% | 100.023% |
| 2811 | HOME FEDERAL BANCORP INC/LA COMMON STOCK USD.01 | | 24,275.04 | 0.000% | 100.023% |
| 2812 | CHAPARRAL ENERGY INC CLASS A COMMON STOCK USD.01 | | 24,108.00 | 0.000% | 100.023% |
| 2813 | SIGMA DESIGNS INC COMMON STOCK | | 23,948.09 | 0.000% | 100.023% |
| 2814 | ZYNERBA PHARMACEUTICALS INC COMMON STOCK USD.001 | | 23,353.11 | 0.000% | 100.023% |
| 2815 | OPIANT PHARMACEUTICALS INC COMMON STOCK USD.001 | | 23,120.00 | 0.000% | 100.023% |
| 2816 | QURATE RETAIL GROUP INC B COMMON STOCK USD.01 | | 22,517.10 | 0.000% | 100.023% |
| 2817 | SEQUENTIAL BRANDS GROUP INC COMMON STOCK USD.01 | | 22,356.39 | 0.000% | 100.024% |
| 2818 | CKX LANDS INC COMMON STOCK | | 22,279.91 | 0.000% | 100.024% |
| 2819 | P + F INDUSTRIES CL A COMMON STOCK USD1.0 | | 22,177.37 | 0.000% | 100.024% |
| 2820 | CUI GLOBAL INC COMMON STOCK USD.001 | | 22,025.61 | 0.000% | 100.024% |
| 2821 | INTERGROUP CORP COMMON STOCK USD.01 | | 21,785.86 | 0.000% | 100.024% |
| 2822 | SIGMATRON INTERNATIONAL INC COMMON STOCK USD.01 | | 21,622.35 | 0.000% | 100.024% |
| 2823 | BOSTON OMAHA CORP CL A COMMON STOCK | | 21,598.20 | 0.000% | 100.024% |
| 2824 | CAPITAL PROPERTIES INC CL A COMMON STOCK USD.01 | | 21,175.00 | 0.000% | 100.024% |
| 2825 | DOVER DOWNS GAMING + ENTERTA COMMON STOCK USD.1 | | 21,079.70 | 0.000% | 100.024% |
| 2826 | FIVE STAR SENIOR LIVING INC COMMON STOCK USD.01 | | 20,600.45 | 0.000% | 100.024% |
| 2827 | CHICAGO RIVET + MACHINE CO COMMON STOCK USD1.0 | | 20,569.50 | 0.000% | 100.024% |
| 2828 | SYPRIS SOLUTIONS INC COMMON STOCK USD.01 | | 20,513.22 | 0.000% | 100.025% |
| 2829 | NUVERRA ENVIRONMENTAL SOLUTI COMMON STOCK USD.001 | | 20,368.80 | 0.000% | 100.025% |
| 2830 | AQUABOUTY TECHNOLOGIES COMMON STOCK USD.001 | | 20,096.15 | 0.000% | 100.025% |
| 2831 | AVALON HOLDINGS CORP A COMMON STOCK USD.01 | | 19,615.30 | 0.000% | 100.025% |
| 2832 | QUEST RESOURCE HOLDING CORP COMMON STOCK USD.001 | | 19,448.00 | 0.000% | 100.025% |
| 2833 | CELLULAR BIOMEDICINE GROUP I COMMON STOCK USD.001 | | 19,426.00 | 0.000% | 100.025% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|---|--------------------------|------------------|--------------|-------------------|
| Equity | | 22,580,120,430.59 | | | 100.029% |
| 2834 | POWER SOLUTIONS INTERNATIONA COMMON STOCK USD.001 | | 19,240.00 | 0.000% | 100.025% |
| 2835 | COFFEE HOLDING CO INC COMMON STOCK USD.001 | | 19,062.00 | 0.000% | 100.025% |
| 2836 | AMERICAN BILTRITE INC COMMON STOCK USD.01 | | 18,828.00 | 0.000% | 100.025% |
| 2837 | AEHR TEST SYSTEMS COMMON STOCK USD.01 | | 18,721.98 | 0.000% | 100.025% |
| 2838 | LIBERTY TRIPADVISOR HDG B COMMON STOCK USD.01 | | 18,651.82 | 0.000% | 100.025% |
| 2839 | NORDIC AMERICAN TANKERS LTD COMMON STOCK USD.01 | | 18,026.00 | 0.000% | 100.025% |
| 2840 | HV BANCORP INC COMMON STOCK USD.01 | | 17,976.00 | 0.000% | 100.026% |
| 2841 | NEXEO SOLUTIONS INC COMMON STOCK | | 17,772.71 | 0.000% | 100.026% |
| 2842 | Q.E.P. COMPANY INC COMMON STOCK USD.001 | | 17,286.00 | 0.000% | 100.026% |
| 2843 | MIMECAST LTD COMMON STOCK USD.01 | | 17,252.19 | 0.000% | 100.026% |
| 2844 | ACTUA CORP COMMON STOCK USD.001 | | 17,200.19 | 0.000% | 100.026% |
| 2845 | NEWLINK GENETICS CORP COMMON STOCK USD.01 | | 16,381.04 | 0.000% | 100.026% |
| 2846 | HTG MOLECULAR DIAGNOSTICS COMMON STOCK USD.001 | | 16,271.24 | 0.000% | 100.026% |
| 2847 | U.S. GLOBAL INVESTORS INC A COMMON STOCK USD.025 | | 15,547.40 | 0.000% | 100.026% |
| 2848 | NEXA RESOURCES SA COMMON STOCK | | 15,470.00 | 0.000% | 100.026% |
| 2849 | ICC HOLDINGS INC COMMON STOCK USD.01 | | 15,015.00 | 0.000% | 100.026% |
| 2850 | CENTURY CASINOS INC COMMON STOCK USD.01 | | 14,780.00 | 0.000% | 100.026% |
| 2851 | SERVOTRONICS INC COMMON STOCK USD.2 | | 14,656.35 | 0.000% | 100.026% |
| 2852 | BELLICUM PHARMACEUTICALS INC COMMON STOCK USD.01 | | 14,629.20 | 0.000% | 100.026% |
| 2853 | CITIUS PHARMACEUTICALS INC COMMON STOCK | | 14,495.52 | 0.000% | 100.026% |
| 2854 | BARNWELL INDUSTRIES INC COMMON STOCK USD.5 | | 14,249.62 | 0.000% | 100.027% |
| 2855 | BIO RAD LABORATORIES CL B COMMON STOCK USD.0001 | | 14,160.24 | 0.000% | 100.027% |
| 2856 | AEROCENTURY CORP COMMON STOCK USD.001 | | 13,962.63 | 0.000% | 100.027% |
| 2857 | LIBERTY MEDIA CORP BRAVES B TRACKING STK USD.01 | | 13,937.40 | 0.000% | 100.027% |
| 2858 | DIGIRAD CORP COMMON STOCK USD.0001 | | 13,566.00 | 0.000% | 100.027% |
| 2859 | FIRST BANCORP OF INDIANA INC COMMON STOCK USD.01 | | 13,335.00 | 0.000% | 100.027% |
| 2860 | ASCENT CAPITAL GROUP INC A COMMON STOCK USD.01 | | 13,299.78 | 0.000% | 100.027% |
| 2861 | CCA INDUSTRIES INC COMMON STOCK USD.01 | | 13,116.40 | 0.000% | 100.027% |
| 2862 | RICEBRAN TECHNOLOGIES COMMON STOCK | | 13,101.00 | 0.000% | 100.027% |
| 2863 | ROADRUNNER TRANSPORTATION SY COMMON STOCK USD.01 | | 12,846.51 | 0.000% | 100.027% |
| 2864 | CLEARSIDE BIOMEDICAL INC COMMON STOCK USD.001 | | 12,399.16 | 0.000% | 100.027% |
| 2865 | CLEMENTIA PHARMACEUTICALS IN COMMON STOCK | | 11,760.00 | 0.000% | 100.027% |
| 2866 | ORCHIDS PAPER PRODUCTS CO COMMON STOCK USD.001 | | 11,525.34 | 0.000% | 100.027% |
| 2867 | RUBICON TECHNOLOGY INC COMMON STOCK USD.001 | | 11,336.50 | 0.000% | 100.027% |
| 2868 | VIRTRA INC COMMON STOCK USD.005 | | 11,052.00 | 0.000% | 100.027% |
| 2869 | CONTINENTAL MATERIALS CORP COMMON STOCK USD.25 | | 11,016.41 | 0.000% | 100.027% |
| 2870 | ADVANTAGE TECHNOLOGIES GRP COMMON STOCK USD.01 | | 10,943.80 | 0.000% | 100.027% |
| 2871 | TETON ADVISORS INC CLASS A COMMON STOCK USD.001 | | 10,765.88 | 0.000% | 100.027% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------|--|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 2872 | AMERICAN SUPERCONDUCTOR CORP COMMON STOCK USD.01 | | 10,614.80 | 0.000% | 100.028% |
| 2873 | KEY ENERGY SERVICES INC COMMON STOCK USD.01 | | 10,312.74 | 0.000% | 100.028% |
| 2874 | HEAT BIOLOGICS INC COMMON STOCK USD.0002 | | 10,199.84 | 0.000% | 100.028% |
| 2875 | PAPA MURPHY S HOLDINGS INC COMMON STOCK USD.01 | | 10,008.25 | 0.000% | 100.028% |
| 2876 | AMERICAN SHARED HOSPITAL SER COMMON STOCK | | 9,946.02 | 0.000% | 100.028% |
| 2877 | NOVUS THERAPEUTICS INC COMMON STOCK USD.001 | | 9,937.60 | 0.000% | 100.028% |
| 2878 | ASTA FUNDING INC COMMON STOCK USD.01 | | 9,759.66 | 0.000% | 100.028% |
| 2879 | TRIO TECH INTERNATIONAL COMMON STOCK | | 9,748.98 | 0.000% | 100.028% |
| 2880 | NANTHEALTH INC COMMON STOCK USD.0001 | | 9,674.79 | 0.000% | 100.028% |
| 2881 | MEDIA GEN INC CVR COMMON STOCK | | 9,651.80 | 0.000% | 100.028% |
| 2882 | INTELLIGENT SYSTEMS CORP COMMON STOCK USD.01 | | 9,418.68 | 0.000% | 100.028% |
| 2883 | EGAIN CORP COMMON STOCK USD.001 | | 9,250.56 | 0.000% | 100.028% |
| 2884 | READING INTERNATIONAL INC B COMMON STOCK USD.01 | | 9,135.00 | 0.000% | 100.028% |
| 2885 | ATOMERA INC COMMON STOCK USD.001 | | 8,727.67 | 0.000% | 100.028% |
| 2886 | KOSS CORP COMMON STOCK USD.005 | | 8,495.55 | 0.000% | 100.028% |
| 2887 | IMAGE SENSING SYSTEMS INC COMMON STOCK USD.01 | | 8,424.00 | 0.000% | 100.028% |
| 2888 | GOUVERNEUR BANCORP INC COMMON STOCK USD.01 | | 8,355.00 | 0.000% | 100.028% |
| 2889 | GLEN BURNIE BANCORP COMMON STOCK USD1.0 | | 8,270.99 | 0.000% | 100.028% |
| 2890 | NEUROTROPE INC COMMON STOCK | | 8,211.00 | 0.000% | 100.028% |
| 2891 | FIRST BANCSHARES INC (MO) COMMON STOCK USD.01 | | 7,715.64 | 0.000% | 100.028% |
| 2892 | BROADVISION INC COMMON STOCK USD.0001 | | 7,356.42 | 0.000% | 100.028% |
| 2893 | QUALSTAR CORP COMMON STOCK | | 7,082.25 | 0.000% | 100.028% |
| 2894 | PEDEVCO CORP COMMON STOCK USD.001 | | 7,024.71 | 0.000% | 100.028% |
| 2895 | FIVE POINT HOLDINGS LLC CL A COMMON STOCK | | 6,967.76 | 0.000% | 100.028% |
| 2896 | ALLIED HEALTHCARE PRODUCTS COMMON STOCK USD.01 | | 6,964.00 | 0.000% | 100.028% |
| 2897 | CYANOTECH CORP COMMON STOCK USD.005 | | 6,949.02 | 0.000% | 100.029% |
| 2898 | MOLECULIN BIOTECH INC COMMON STOCK USD.001 | | 6,665.36 | 0.000% | 100.029% |
| 2899 | GEE GROUP INC COMMON STOCK | | 6,526.43 | 0.000% | 100.029% |
| 2900 | KONA GRILL INC COMMON STOCK USD.01 | | 6,277.95 | 0.000% | 100.029% |
| 2901 | PHI INC VOTING COMMON STOCK USD.1 | | 6,043.50 | 0.000% | 100.029% |
| 2902 | PARKER DRILLING CO COMMON STOCK USD.167 | | 5,732.06 | 0.000% | 100.029% |
| 2903 | VICAL INC COMMON STOCK USD.01 | | 5,310.00 | 0.000% | 100.029% |
| 2904 | COMMAND CENTER INC COMMON STOCK USD.001 | | 5,208.00 | 0.000% | 100.029% |
| 2905 | ASSOCIATED CAPITAL GROUP A COMMON STOCK USD.001 | | 5,073.12 | 0.000% | 100.029% |
| 2906 | MICRON SOLUTIONS INC COMMON STOCK USD.01 | | 4,761.40 | 0.000% | 100.029% |
| 2907 | TSR INC COMMON STOCK USD.01 | | 3,492.15 | 0.000% | 100.029% |
| 2908 | EVI INDUSTRIES INC COMMON STOCK USD.025 | | 3,335.00 | 0.000% | 100.029% |
| 2909 | TOFUTTI BRANDS INC COMMON STOCK USD.01 | | 3,010.35 | 0.000% | 100.029% |

| Row Id | Security Name | Notional Amount USD | Market Value USD | Asset Weight | Cumulative Weight |
|---------------------|--|---------------------|--------------------------|--------------|-------------------|
| Equity | | | 22,580,120,430.59 | | 100.029% |
| 2910 | VSBCORP INC COMMON STOCK USD.0001 | | 2,641.14 | 0.000% | 100.029% |
| 2911 | NEVADA GOLD + CASINOS INC COMMON STOCK USD.12 | | 2,618.00 | 0.000% | 100.029% |
| 2912 | PEOPLES FINANCIAL CORP/MISS COMMON STOCK USD1.0 | | 1,575.50 | 0.000% | 100.029% |
| 2913 | OBSEVA SA COMMON STOCK | | 1,266.00 | 0.000% | 100.029% |
| 2914 | DAVIDSTEA INC COMMON STOCK | | 1,221.30 | 0.000% | 100.029% |
| 2915 | REVOLUTION LIGHTING TECHNOLO COMMON STOCK USD.001 | | 1,151.47 | 0.000% | 100.029% |
| 2916 | LAZARE KAPLAN INTERNATIONAL COMMON STOCK USD1.0 | | 515.58 | 0.000% | 100.029% |
| 2917 | ENRON TOPRS 8.125PCT ESCROW CUSIP | | 0.00 | 0.000% | 100.029% |
| 2918 | CAPITAL BANK CORP CVR CAPITAL BANK CORP CVR | | 0.00 | 0.000% | 100.029% |
| 2919 | MEDCATH CORPORATION COMMON STOCK USD.01 | | 0.00 | 0.000% | 100.029% |
| 2920 | FERROGLOBE REP + WRNTY INS TRU NON TRANSFERABLE BENE INT UNI | | 0.00 | 0.000% | 100.029% |
| 2921 | STEADYMED LTD CVR | | 0.00 | 0.000% | 100.029% |
| 2922 | FRD ACQUISITION CO SHS COMMON STOCK | | 0.00 | 0.000% | 100.029% |
| Index Future | | | -6,507,136.09 | | -0.029% |
| 2923 | S+P500 EMINI FUT MAR19 XCME 20190315 | 191,021,500.00 | -6,507,136.09 | -0.029% | 100.000% |
| Total | | | 22,573,613,294.50 | | 100.00% |