

Pin List: XEM7360

2019-01-22

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|-----------------------|-----------------|--------------------------|--------------------------|---------|
| MC1 | 1 | B17 | L3P_T0_DQS_AD1P_15 | 37.927 | 125.193 | 151.089 | J1A-1 |
| MC1 | 2 | C19 | L4P_T0_AD9P_15 | 38.643 | 115.389 | 155.065 | J1A-3 |
| MC1 | 3 | A17 | L3N_T0_DQS_AD1N_15 | 37.969 | 127.851 | 155.737 | J1A-2 |
| MC1 | 4 | B19 | L4N_T0_AD9N_15 | 38.612 | 129.011 | 158.444 | J1A-4 |
| MC1 | 5 | | | | | | |
| MC1 | 6 | | | | | | |
| MC1 | 7 | G17 | L11P_T1_SRCC_AD12P_15 | 37.454 | 90.797 | 135.618 | J1A-5 |
| MC1 | 8 | A18 | L2P_T0_AD8P_15 | 38.715 | 138.337 | 156.513 | J1A-7 |
| MC1 | 9 | F18 | L11N_T1_SRCC_AD12N_15 | 37.386 | 88.048 | 137.800 | J1A-6 |
| MC1 | 10 | A19 | L2N_T0_AD8N_15 | 38.562 | 134.306 | 157.192 | J1A-8 |
| MC1 | 11 | | | | | | |
| MC1 | 12 | | | | | | |
| MC1 | 13 | G19 | L16P_T2_A28_15 | 38.641 | 88.278 | 137.122 | J1A-9 |
| MC1 | 14 | E15 | L10P_T1_AD4P_15 | 38.628 | 129.548 | 175.840 | J1A-11 |
| MC1 | 15 | F20 | L16N_T2_A27_15 | 38.622 | 86.947 | 134.251 | J1A-10 |
| MC1 | 16 | E16 | L10N_T1_AD4N_15 | 38.749 | 132.794 | 172.286 | J1A-12 |
| MC1 | 17 | | | | | | |
| MC1 | 18 | | | | | | |
| MC1 | 19 | F19 | L17P_T2_A26_15 | 38.650 | 99.930 | 168.342 | J1A-13 |
| MC1 | 20 | H19 | L18P_T2_A24_15 | 38.610 | 87.473 | 135.313 | J1A-15 |
| MC1 | 21 | E20 | L17N_T2_A25_15 | 38.627 | 101.389 | 157.226 | J1A-14 |
| MC1 | 22 | G20 | L18N_T2_A23_15 | 38.633 | 88.008 | 135.438 | J1A-16 |
| MC1 | 23 | | | | | | |
| MC1 | 24 | | | | | | |
| MC1 | 25 | F17 | L12P_T1_MRCC_AD5P_15 | 38.819 | 96.662 | 160.497 | J1A-17 |
| MC1 | 26 | C17 | L5P_T0_AD2P_15 | 38.664 | 112.061 | 140.487 | J1A-19 |
| MC1 | 27 | E17 | L12N_T1_MRCC_AD5N_15 | 38.673 | 99.256 | 160.575 | J1A-18 |
| MC1 | 28 | C18 | L5N_T0_AD2N_15 | 38.589 | 122.670 | 141.359 | J1A-20 |
| MC1 | 29 | K15 | IO_0_15 | 38.969 | 47.678 | 74.860 | J1B-9 |
| MC1 | 30 | D15 | L6P_T0_15 | 38.656 | 125.409 | 169.027 | J1B-10 |

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|----------------------|-----------------|--------------------------|--------------------------|---------|
| MC1 | 31 | L19 | L21P_T3_DQS_15 | 38.707 | 60.862 | 117.596 | J1A-21 |
| MC1 | 32 | C16 | L1P_T0_AD0P_15 | 38.122 | 105.465 | 140.897 | J1A-23 |
| MC1 | 33 | L20 | L21N_T3_DQS_A18_15 | 38.586 | 58.181 | 118.539 | J1A-22 |
| MC1 | 34 | B16 | L1N_T0_AD0N_15 | 38.081 | 115.376 | 148.071 | J1A-24 |
| MC1 | 35 | M17 | L23P_T3_FOE_B_15 | 37.522 | 55.691 | 88.767 | J1B-11 |
| MC1 | 36 | K20 | L19P_T3_A22_15 | 36.153 | 63.239 | 112.888 | J1B-12 |
| MC1 | 37 | J18 | L20P_T3_A20_15 | 38.821 | 84.637 | 83.982 | J1A-25 |
| MC1 | 38 | H17 | L14P_T2_SRCC_15 | 38.629 | 86.964 | 137.993 | J1A-27 |
| MC1 | 39 | J19 | L20N_T3_A19_15 | 38.722 | 83.627 | 91.709 | J1A-26 |
| MC1 | 40 | H18 | L14N_T2_SRCC_15 | 38.657 | 86.415 | 139.313 | J1A-28 |
| MC1 | 41 | L18 | L23N_T3_FWE_B_15 | 35.664 | 53.878 | 83.139 | J1B-13 |
| MC1 | 42 | K18 | L24N_T3_RS0_15 | 38.799 | 59.734 | 103.335 | J1B-14 |
| MC1 | 43 | G15 | L8P_T1_AD3P_15 | 38.608 | 125.702 | 159.724 | J1A-29 |
| MC1 | 44 | D19 | L15P_T2_DQS_15 | 38.587 | 120.872 | 171.388 | J1A-31 |
| MC1 | 45 | F15 | L8N_T1_AD3N_15 | 38.535 | 127.566 | 163.548 | J1A-30 |
| MC1 | 46 | D20 | L15N_T2_DQS_ADV_B_15 | 38.665 | 118.983 | 168.557 | J1A-32 |
| MC1 | 47 | L17 | L24P_T3_RS1_15 | 36.473 | 48.319 | 86.424 | J1B-15 |
| MC1 | 48 | M16 | IO_25_15 | 38.855 | 39.050 | 156.679 | J1B-16 |
| MC1 | 49 | H16 | L7P_T1_AD10P_15 | 38.028 | 103.691 | 128.994 | J1A-33 |
| MC1 | 50 | E18 | L13P_T2_MRCC_15 | 38.680 | 116.784 | 174.999 | J1A-35 |
| MC1 | 51 | G16 | L7N_T1_AD10N_15 | 37.951 | 93.502 | 132.571 | J1A-34 |
| MC1 | 52 | D18 | L13N_T2_MRCC_15 | 38.720 | 120.916 | 174.294 | J1A-36 |
| MC1 | 53 | | | | | | |
| MC1 | 54 | | | | | | |
| MC1 | 55 | K16 | L22P_T3_A17_15 | 38.538 | 46.178 | 87.228 | J1A-37 |
| MC1 | 56 | J15 | L9P_T1_DQS_AD11P_15 | 38.799 | 98.974 | 137.995 | J1A-39 |
| MC1 | 57 | K17 | L22N_T3_A16_15 | 38.638 | 50.652 | 86.879 | J1A-38 |
| MC1 | 58 | J16 | L9N_T1_DQS_AD11N_15 | 38.749 | 97.915 | 139.325 | J1A-40 |
| MC1 | 59 | | | | | | J1B-19 |
| MC1 | 60 | | | | | | J1B-20 |
| MC1 | 61 | E11 | L14P_T2_SRCC_16 | 38.561 | 107.049 | 167.095 | J1C-1 |
| MC1 | 62 | H14 | L5P_T0_16 | 38.680 | 104.254 | 153.796 | J1C-3 |
| MC1 | 63 | D11 | L14N_T2_SRCC_16 | 38.047 | 110.252 | 169.374 | J1C-2 |

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|-----------------|-----------------|--------------------------|--------------------------|---------|
| MC1 | 64 | G14 | L5N_T0_16 | 38.852 | 104.476 | 152.432 | J1C-4 |
| MC1 | 65 | | | | | | |
| MC1 | 66 | | | | | | |
| MC1 | 67 | J13 | L3P_T0_DQS_16 | 38.051 | 115.621 | 164.966 | J1C-5 |
| MC1 | 68 | G12 | L16P_T2_16 | 38.597 | 91.505 | 158.698 | J1C-7 |
| MC1 | 69 | H13 | L3N_T0_DQS_16 | 38.089 | 116.137 | 163.393 | J1C-6 |
| MC1 | 70 | F12 | L16N_T2_16 | 38.695 | 91.236 | 157.324 | J1C-8 |
| MC1 | 71 | | | | | | |
| MC1 | 72 | | | | | | |
| MC1 | 73 | D14 | L17P_T2_16 | 38.811 | 111.711 | 188.440 | J1C-9 |
| MC1 | 74 | F14 | L15P_T2_DQS_16 | 38.634 | 102.751 | 192.970 | J1C-11 |
| MC1 | 75 | D13 | L17N_T2_16 | 38.827 | 112.004 | 186.744 | J1C-10 |
| MC1 | 76 | F13 | L15N_T2_DQS_16 | 38.680 | 103.497 | 190.444 | J1C-12 |
| MC1 | 77 | | | | | | |
| MC1 | 78 | | | | | | |
| MC1 | 79 | E13 | L18P_T2_16 | 38.738 | 91.848 | 158.492 | J1C-13 |
| MC1 | 80 | B12 | L20P_T3_16 | 38.726 | 138.831 | 175.131 | J1C-15 |
| MC1 | 81 | E12 | L18N_T2_16 | 38.723 | 101.581 | 157.487 | J1C-14 |
| MC1 | 82 | B11 | L20N_T3_16 | 38.679 | 129.824 | 176.153 | J1C-16 |
| MC1 | 83 | | | | | | |
| MC1 | 84 | | | | | | |
| MC1 | 85 | E10 | L12P_T1_MRCC_16 | 38.800 | 132.277 | 202.332 | J1C-17 |
| MC1 | 86 | C12 | L13P_T2_MRCC_16 | 38.633 | 136.348 | 177.199 | J1C-19 |
| MC1 | 87 | D10 | L12N_T1_MRCC_16 | 38.739 | 130.903 | 197.956 | J1C-18 |
| MC1 | 88 | C11 | L13N_T2_MRCC_16 | 38.574 | 133.516 | 177.079 | J1C-20 |
| MC1 | 89 | J8 | IO_0_16 | 37.972 | 111.780 | 197.202 | J1D-9 |
| MC1 | 90 | B15 | L23P_T3_16 | 35.464 | 126.855 | 185.783 | J1D-10 |
| MC1 | 91 | D9 | L8P_T1_16 | 38.746 | 129.355 | 184.304 | J1C-21 |
| MC1 | 92 | B14 | L21P_T3_DQS_16 | 38.643 | 134.068 | 187.649 | J1C-23 |
| MC1 | 93 | D8 | L8N_T1_16 | 38.719 | 138.226 | 194.191 | J1C-22 |
| MC1 | 94 | A14 | L21N_T3_DQS_16 | 38.735 | 134.774 | 186.175 | J1C-24 |
| MC1 | 95 | A13 | L24P_T3_16 | 36.876 | 165.957 | 183.529 | J1D-11 |
| MC1 | 96 | A15 | L23N_T3_16 | 38.935 | 132.100 | 181.635 | J1D-12 |

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|-----------------|-----------------|--------------------------|--------------------------|------------|
| MC1 | 97 | F9 | L7P_T1_16 | 38.675 | 155.856 | 179.945 | J1C-25 |
| MC1 | 98 | G11 | L11P_T1_SRCC_16 | 38.749 | 110.993 | 179.606 | J1C-27 |
| MC1 | 99 | F8 | L7N_T1_16 | 38.683 | 147.513 | 181.359 | J1C-26 |
| MC1 | 100 | F10 | L11N_T1_SRCC_16 | 38.697 | 111.180 | 177.938 | J1C-28 |
| MC1 | 101 | A12 | L24N_T3_16 | 38.792 | 169.086 | 181.920 | J1D-13 |
| MC1 | 102 | J14 | IO_25_16 | 38.692 | 100.170 | 126.177 | J1D-14 |
| MC1 | 103 | J11 | L4P_T0_16 | 38.848 | 103.237 | 195.197 | J1C-29 |
| MC1 | 104 | B10 | L22P_T3_16 | 38.579 | 128.736 | 186.150 | J1C-31 |
| MC1 | 105 | J10 | L4N_T0_16 | 38.801 | 105.295 | 197.679 | J1C-30 |
| MC1 | 106 | A10 | L22N_T3_16 | 38.727 | 141.736 | 187.552 | J1C-32 |
| MC1 | 107 | H12 | L6P_T0_16 | 38.681 | 105.359 | 182.518 | J1D-15 |
| MC1 | 108 | C14 | L19P_T3_16 | 38.800 | 122.173 | 174.749 | J1D-16 |
| MC1 | 109 | G10 | L2P_T0_16 | 38.677 | 103.962 | 153.784 | J1C-33 |
| MC1 | 110 | C9 | L10P_T1_16 | 38.747 | 137.285 | 180.890 | J1C-35 |
| MC1 | 111 | G9 | L2N_T0_16 | 38.714 | 104.459 | 154.912 | J1C-34 |
| MC1 | 112 | B9 | L10N_T1_16 | 38.760 | 149.364 | 187.368 | J1C-36 |
| MC1 | 113 | | | | | | |
| MC1 | 114 | | | | | | J1D-18 |
| MC1 | 115 | H9 | L1P_T0_16 | 38.679 | 150.164 | 154.926 | J1C-37 |
| MC1 | 116 | A9 | L9P_T1_DQS_16 | 38.776 | 133.911 | 211.923 | J1C-39 |
| MC1 | 117 | H8 | L1N_T0_16 | 38.683 | 148.485 | 156.361 | J1C-38 |
| MC1 | 118 | A8 | L9N_T1_DQS_16 | 38.787 | 137.262 | 211.798 | J1C-40 |
| MC1 | 119 | | | | | | J1D-19 |
| MC1 | 120 | | | | | | J1D-20 |
| MC1 | 121 | H2 | MGTXXTP3_115 | 37.231 | 92.759 | 98.181 | SFP-J2 TXp |
| MC1 | 122 | A4 | MGTXXTP3_116 | 37.370 | 97.092 | 107.997 | J16 TXp |
| MC1 | 123 | H1 | MGTXXN3_115 | 37.250 | 92.985 | 98.126 | SFP-J2 TXn |
| MC1 | 124 | A3 | MGTXXN3_116 | 37.370 | 97.421 | 108.470 | J16 TXn |
| MC1 | 125 | | | | | | |
| MC1 | 126 | | | | | | |
| MC1 | 127 | K2 | MGTXXTP2_115 | 37.489 | 91.121 | 81.732 | SFP-J3 TXp |
| MC1 | 128 | B2 | MGTXXTP2_116 | 37.387 | 106.764 | 123.805 | J17 TXp |
| MC1 | 129 | K1 | MGTXXN2_115 | 37.501 | 91.506 | 81.629 | SFP-J3 TXn |

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|-----------------|-----------------|--------------------------|--------------------------|------------|
| MC1 | 130 | B1 | MGTXTXN2_116 | 37.396 | 106.688 | 124.186 | J17 TXn |
| MC1 | 131 | | | | | | |
| MC1 | 132 | | | | | | |
| MC1 | 133 | M2 | MGTXTXP1_115 | 37.489 | 91.025 | 78.428 | J8 |
| MC1 | 134 | D2 | MGTXTXP1_116 | 37.303 | 102.531 | 117.488 | J18 TXp |
| MC1 | 135 | M1 | MGTXTXN1_115 | 37.487 | 91.072 | 78.243 | J9 |
| MC1 | 136 | D1 | MGTXTXN1_116 | 37.310 | 102.477 | 117.785 | J18 TXn |
| MC1 | 137 | | | | | | |
| MC1 | 138 | | | | | | |
| MC1 | 139 | P2 | MGTXTXP0_115 | 37.179 | 99.005 | 77.778 | J12 |
| MC1 | 140 | F2 | MGTXTXP0_116 | 37.413 | 98.203 | 107.170 | J4 |
| MC1 | 141 | P1 | MGTXTXN0_115 | 37.179 | 99.105 | 77.829 | J13 |
| MC1 | 142 | F1 | MGTXTXN0_116 | 37.448 | 98.543 | 107.106 | J5 |
| MC1 | 143 | | | | | | |
| MC1 | 144 | | | | | | |
| MC1 | 145 | H6 | MGTREFCLK0P_115 | 15.473 + 18.947 | 77.158 | 81.016 | U3 |
| MC1 | 146 | D6 | MGTREFCLK0P_116 | 29.710 + 12.677 | 92.693 | 92.271 | J19 |
| MC1 | 147 | H5 | MGTREFCLK0N_115 | 15.473 + 18.437 | 77.562 | 82.034 | U3 |
| MC1 | 148 | D5 | MGTREFCLK0N_116 | 29.700 + 12.155 | 91.466 | 91.931 | J20 |
| MC1 | 149 | | | | | | |
| MC1 | 150 | | | | | | |
| MC1 | 151 | J4 | MGTXRX3_115 | 42.610 | 80.291 | 73.848 | SFP-J2 RXn |
| MC1 | 152 | B6 | MGTXRX3_116 | 43.226 | 92.283 | 93.191 | J16 RXp |
| MC1 | 153 | J3 | MGTXRXN3_115 | 42.664 | 80.289 | 74.187 | SFP-J2 RXp |
| MC1 | 154 | B5 | MGTXRXN3_116 | 43.228 | 92.442 | 93.397 | J16 RXn |
| MC1 | 155 | | | | | | |
| MC1 | 156 | | | | | | |
| MC1 | 157 | L4 | MGTXRX2_115 | 42.280 | 82.934 | 66.647 | SFP-J3 RXn |
| MC1 | 158 | C4 | MGTXRX2_116 | 43.227 | 98.037 | 101.301 | J17 RXp |
| MC1 | 159 | L3 | MGTXRXN2_115 | 42.341 | 82.921 | 66.798 | SFP-J3 RXp |
| MC1 | 160 | C3 | MGTXRXN2_116 | 43.277 | 98.363 | 101.899 | J17 RXn |
| MC1 | 161 | | | | | | |
| MC1 | 162 | | | | | | |

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|-----------------|-----------------|--------------------------|--------------------------|---------|
| MC1 | 163 | N4 | MGTXRX1_115 | 42.880 | 84.367 | 64.961 | J10 |
| MC1 | 164 | E4 | MGTXRX1_116 | 43.192 | 90.970 | 96.977 | J18 RXp |
| MC1 | 165 | N3 | MGTXRX1_115 | 42.949 | 84.669 | 65.236 | J11 |
| MC1 | 166 | E3 | MGTXRX1_116 | 43.184 | 91.086 | 97.060 | J18 RXn |
| MC1 | 167 | | | | | | |
| MC1 | 168 | | | | | | |
| MC1 | 169 | R4 | MGTXRX0_115 | 43.353 | 91.270 | 65.858 | J14 |
| MC1 | 170 | G4 | MGTXRX0_116 | 43.295 | 84.910 | 85.237 | J6 |
| MC1 | 171 | R3 | MGTXRX0_115 | 43.355 | 91.312 | 66.071 | J15 |
| MC1 | 172 | G3 | MGTXRX0_116 | 43.293 | 84.814 | 85.544 | J7 |
| MC1 | 173 | | | | | | |
| MC1 | 174 | | | | | | |
| MC1 | 175 | | | | | | |
| MC1 | 176 | | | | | | |
| MC1 | 177 | | | | | | |
| MC1 | 178 | | | | | | |
| MC1 | 179 | | | | | | |
| MC1 | 180 | | | | | | |
| MC2 | 1 | AE23 | L22P_T3_12 | 37.393 | 127.470 | 91.233 | J2A-1 |
| MC2 | 2 | U26 | L4P_T0_12 | 37.730 | 101.964 | 108.272 | J2A-3 |
| MC2 | 3 | AF23 | L22N_T3_12 | 36.939 | 117.675 | 91.775 | J2A-2 |
| MC2 | 4 | V26 | L4N_T0_12 | 37.842 | 106.002 | 103.864 | J2A-4 |
| MC2 | 5 | | | | | | |
| MC2 | 6 | | | | | | |
| MC2 | 7 | AC23 | L14P_T2_SRCC_12 | 36.786 | 99.139 | 75.847 | J2A-5 |
| MC2 | 8 | V21 | L6P_T0_12 | 37.262 | 66.128 | 65.769 | J2A-7 |
| MC2 | 9 | AC24 | L14N_T2_SRCC_12 | 37.019 | 102.482 | 73.899 | J2A-6 |
| MC2 | 10 | W21 | L6N_T0_VREF_12 | 37.359 | 70.962 | 59.497 | J2A-8 |
| MC2 | 11 | | | | | | |
| MC2 | 12 | | | | | | |
| MC2 | 13 | AF24 | L20P_T3_12 | 37.417 | 134.071 | 91.808 | J2A-9 |
| MC2 | 14 | W25 | L5P_T0_12 | 36.331 | 97.808 | 92.418 | J2A-11 |
| MC2 | 15 | AF25 | L20N_T3_12 | 37.364 | 138.167 | 91.359 | J2A-10 |

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|-----------------|-----------------|--------------------------|--------------------------|---------|
| MC2 | 16 | W26 | L5N_T0_12 | 37.207 | 108.939 | 97.517 | J2A-12 |
| MC2 | 17 | | | | | | |
| MC2 | 18 | | | | | | |
| MC2 | 19 | Y25 | L10P_T1_12 | 36.384 | 99.435 | 83.024 | J2A-13 |
| MC2 | 20 | W23 | L8P_T1_12 | 38.687 | 97.612 | 92.423 | J2A-15 |
| MC2 | 21 | Y26 | L10N_T1_12 | 36.389 | 108.311 | 94.268 | J2A-14 |
| MC2 | 22 | W24 | L8N_T1_12 | 38.701 | 97.855 | 84.023 | J2A-16 |
| MC2 | 23 | Y20 | IO_25_12 | 37.195 | 61.890 | 53.088 | J2B-7 |
| MC2 | 24 | AA22 | L13N_T2_MRCC_12 | 37.342 | 80.316 | 69.982 | J2B-8 |
| MC2 | 25 | Y23 | L12P_T1_MRCC_12 | 38.062 | 97.877 | 66.877 | J2A-17 |
| MC2 | 26 | AB21 | L18P_T2_12 | 36.358 | 81.571 | 51.693 | J2A-19 |
| MC2 | 27 | AA24 | L12N_T1_MRCC_12 | 38.004 | 98.531 | 70.328 | J2A-18 |
| MC2 | 28 | AC21 | L18N_T2_12 | 35.898 | 79.446 | 51.552 | J2A-20 |
| MC2 | 29 | Y22 | L13P_T2_MRCC_12 | 37.330 | 79.587 | 70.808 | J2B-9 |
| MC2 | 30 | V24 | L3N_T0_DQS_12 | 36.339 | 92.771 | 81.753 | J2B-10 |
| MC2 | 31 | AD26 | L21P_T3_DQS_12 | 37.444 | 127.841 | 125.926 | J2A-21 |
| MC2 | 32 | AA25 | L7P_T1_12 | 37.240 | 112.847 | 81.431 | J2A-23 |
| MC2 | 33 | AE26 | L21N_T3_DQS_12 | 37.308 | 129.825 | 123.027 | J2A-22 |
| MC2 | 34 | AB25 | L7N_T1_12 | 37.253 | 121.267 | 89.756 | J2A-24 |
| MC2 | 35 | U24 | L2P_T0_12 | 37.414 | 84.914 | 107.164 | J2B-11 |
| MC2 | 36 | U25 | L2N_T0_12 | 37.494 | 96.183 | 106.724 | J2B-12 |
| MC2 | 37 | AD25 | L23P_T3_12 | 37.286 | 119.716 | 119.946 | J2A-25 |
| MC2 | 38 | AA23 | L11P_T1_SRCC_12 | 37.114 | 114.243 | 75.676 | J2A-27 |
| MC2 | 39 | AE25 | L23N_T3_12 | 37.108 | 118.350 | 110.767 | J2A-26 |
| MC2 | 40 | AB24 | L11N_T1_SRCC_12 | 37.040 | 117.531 | 80.420 | J2A-28 |
| MC2 | 41 | V23 | L3P_T0_DQS_12 | 36.537 | 90.043 | 79.438 | J2B-13 |
| MC2 | 42 | V22 | L1N_T0_12 | 37.157 | 77.096 | 72.380 | J2B-14 |
| MC2 | 43 | AD23 | L16P_T2_12 | 37.358 | 102.886 | 80.523 | J2A-29 |
| MC2 | 44 | AB22 | L17P_T2_12 | 37.272 | 84.794 | 68.514 | J2A-31 |
| MC2 | 45 | AD24 | L16N_T2_12 | 37.335 | 108.167 | 80.530 | J2A-30 |
| MC2 | 46 | AC22 | L17N_T2_12 | 37.228 | 88.251 | 59.980 | J2A-32 |
| MC2 | 47 | U22 | L1P_T0_12 | 36.808 | 78.086 | 74.294 | J2B-15 |
| MC2 | 48 | U21 | IO_0_12 | 36.077 | 64.127 | 72.941 | J2B-16 |

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|-----------------|-----------------|--------------------------|--------------------------|---------|
| MC2 | 49 | AD21 | L19P_T3_12 | 37.316 | 95.704 | 91.046 | J2A-33 |
| MC2 | 50 | W20 | L15P_T2_DQS_12 | 36.404 | 76.537 | 62.323 | J2A-35 |
| MC2 | 51 | AE21 | L19N_T3_VREF_12 | 37.405 | 96.561 | 89.926 | J2A-34 |
| MC2 | 52 | Y21 | L15N_T2_DQS_12 | 36.392 | 74.954 | 60.705 | J2A-36 |
| MC2 | 53 | | | | | | |
| MC2 | 54 | | | | | | |
| MC2 | 55 | AE22 | L24P_T3_12 | 37.266 | 101.993 | 91.823 | J2A-37 |
| MC2 | 56 | AB26 | L9P_T1_DQS_12 | 37.908 | 128.836 | 95.541 | J2A-39 |
| MC2 | 57 | AF22 | L24N_T3_12 | 37.250 | 103.455 | 90.539 | J2A-38 |
| MC2 | 58 | AC26 | L9N_T1_DQS_12 | 36.593 | 131.897 | 97.876 | J2A-40 |
| MC2 | 59 | | | | | | J2B-19 |
| MC2 | 60 | | | | | | J2B-20 |
| MC2 | 61 | AE17 | L1P_T0_32 | 37.324 | 199.285 | 172.375 | J2C-1 |
| MC2 | 62 | W18 | L21P_T3_DQS_32 | 36.842 | 128.673 | 139.459 | J2C-3 |
| MC2 | 63 | AF17 | L1N_T0_32 | 37.354 | 191.558 | 168.816 | J2C-2 |
| MC2 | 64 | W19 | L21N_T3_DQS_32 | 37.732 | 127.539 | 136.495 | J2C-4 |
| MC2 | 65 | | | | | | |
| MC2 | 66 | | | | | | |
| MC2 | 67 | AF19 | L5P_T0_32 | 37.325 | 160.704 | 175.969 | J2C-5 |
| MC2 | 68 | Y17 | L19P_T3_32 | 37.056 | 141.080 | 137.727 | J2C-7 |
| MC2 | 69 | AF20 | L5N_T0_32 | 37.340 | 156.274 | 181.111 | J2C-6 |
| MC2 | 70 | Y18 | L19N_T3_VREF_32 | 37.116 | 142.466 | 130.788 | J2C-8 |
| MC2 | 71 | | | | | | |
| MC2 | 72 | | | | | | |
| MC2 | 73 | AA17 | L11P_T1_SRCC_32 | 36.396 | 111.006 | 147.066 | J2C-9 |
| MC2 | 74 | V16 | L20P_T3_32 | 37.069 | 161.498 | 122.249 | J2C-11 |
| MC2 | 75 | AA18 | L11N_T1_SRCC_32 | 37.215 | 110.887 | 148.288 | J2C-10 |
| MC2 | 76 | V17 | L20N_T3_32 | 37.082 | 150.501 | 125.112 | J2C-12 |
| MC2 | 77 | | | | | | |
| MC2 | 78 | | | | | | |
| MC2 | 79 | AA14 | L7P_T1_32 | 37.155 | 102.125 | 143.071 | J2C-13 |
| MC2 | 80 | Y15 | L9P_T1_DQS_32 | 36.923 | 113.175 | 145.409 | J2C-15 |
| MC2 | 81 | AA15 | L7N_T1_32 | 37.232 | 101.554 | 140.349 | J2C-14 |

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|-----------------|-----------------|--------------------------|--------------------------|---------|
| MC2 | 82 | Y16 | L9N_T1_DQS_32 | 37.013 | 113.439 | 148.712 | J2C-16 |
| MC2 | 83 | | | | | | |
| MC2 | 84 | | | | | | |
| MC2 | 85 | AB16 | L12P_T1_MRCC_32 | 36.045 | 147.256 | 145.683 | J2C-17 |
| MC2 | 86 | AC14 | L8P_T1_32 | 37.303 | 114.591 | 138.091 | J2C-19 |
| MC2 | 87 | AC16 | L12N_T1_MRCC_32 | 36.349 | 143.906 | 144.947 | J2C-18 |
| MC2 | 88 | AD14 | L8N_T1_32 | 37.237 | 129.444 | 140.778 | J2C-20 |
| MC2 | 89 | | | | | | |
| MC2 | 90 | AD16 | L6P_T0_32 | 37.129 | 151.636 | 150.500 | J2D-10 |
| MC2 | 91 | AE18 | L3P_T0_DQS_32 | 37.316 | 181.953 | 175.822 | J2C-21 |
| MC2 | 92 | AD20 | L15P_T2_DQS_32 | 37.097 | 156.233 | 172.214 | J2C-23 |
| MC2 | 93 | AF18 | L3N_T0_DQS_32 | 37.162 | 179.100 | 173.256 | J2C-22 |
| MC2 | 94 | AE20 | L15N_T2_DQS_32 | 37.178 | 152.730 | 168.954 | J2C-24 |
| MC2 | 95 | W14 | L24N_T3_32 | 37.179 | 115.275 | 105.925 | J2D-11 |
| MC2 | 96 | W16 | L22N_T3_32 | 37.196 | 117.205 | 114.122 | J2D-12 |
| MC2 | 97 | AB17 | L14P_T2_SRCC_32 | 37.341 | 121.596 | 137.365 | J2C-25 |
| MC2 | 98 | AC19 | L17P_T2_32 | 37.803 | 151.015 | 174.716 | J2C-27 |
| MC2 | 99 | AC17 | L14N_T2_SRCC_32 | 37.346 | 123.002 | 138.870 | J2C-26 |
| MC2 | 100 | AD19 | L17N_T2_32 | 37.364 | 134.671 | 167.390 | J2C-28 |
| MC2 | 101 | V18 | L23P_T3_32 | 37.323 | 122.815 | 135.407 | J2D-13 |
| MC2 | 102 | V19 | L23N_T3_32 | 37.315 | 125.201 | 135.220 | J2D-14 |
| MC2 | 103 | AB14 | L10P_T1_32 | 37.203 | 111.469 | 143.398 | J2C-29 |
| MC2 | 104 | AC18 | L13P_T2_MRCC_32 | 36.426 | 146.226 | 154.500 | J2C-31 |
| MC2 | 105 | AB15 | L10N_T1_32 | 37.137 | 126.264 | 154.729 | J2C-30 |
| MC2 | 106 | AD18 | L13N_T2_MRCC_32 | 36.162 | 143.070 | 154.187 | J2C-32 |
| MC2 | 107 | V14 | L24P_T3_32 | 37.346 | 116.803 | 104.337 | J2D-15 |
| MC2 | 108 | W15 | L22P_T3_32 | 36.565 | 118.066 | 106.436 | J2D-16 |
| MC2 | 109 | AF14 | L2P_T0_32 | 37.085 | 154.633 | 148.067 | J2C-33 |
| MC2 | 110 | AB19 | L18P_T2_32 | 37.326 | 139.665 | 142.729 | J2C-35 |
| MC2 | 111 | AF15 | L2N_T0_32 | 37.152 | 155.545 | 160.454 | J2C-34 |
| MC2 | 112 | AB20 | L18N_T2_32 | 37.323 | 150.232 | 148.945 | J2C-36 |
| MC2 | 113 | | | | | | |
| MC2 | 114 | | | | | | J2D-18 |

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|-----------------|-----------------|--------------------------|--------------------------|---------|
| MC2 | 115 | AD15 | L4P_T0_32 | 36.081 | 154.805 | 147.744 | J2C-37 |
| MC2 | 116 | AA19 | L16P_T2_32 | 37.945 | 128.318 | 141.186 | J2C-39 |
| MC2 | 117 | AE15 | L4N_T0_32 | 36.609 | 154.258 | 154.997 | J2C-38 |
| MC2 | 118 | AA20 | L16N_T2_32 | 37.950 | 141.842 | 143.768 | J2C-40 |
| MC2 | 119 | | | | | | J2D-19 |
| MC2 | 120 | | | | | | J2D-20 |
| MC2 | 121 | | | | | | J2E-1 |
| MC2 | 122 | | | | | | J2E-2 |
| MC2 | 123 | | | | | | J2E-3 |
| MC2 | 124 | | | | | | J2E-4 |
| MC2 | 125 | | | | | | J2E-5 |
| MC2 | 126 | | | | | | J2E-6 |
| MC2 | 127 | | | | | | J2E-7 |
| MC2 | 128 | | | | | | J2E-8 |
| MC2 | 129 | | | | | | J2E-9 |
| MC2 | 130 | | | | | | |
| MC2 | 131 | | | | | | J2E-11 |
| MC2 | 132 | | | | | | |
| MC2 | 133 | | | | | | J2E-13 |
| MC2 | 134 | | | | | | |
| MC2 | 135 | | | | | | J2E-15 |
| MC2 | 136 | | | | | | |
| MC2 | 137 | | | | | | |
| MC2 | 138 | | | | | | |
| MC2 | 139 | | | | | | |
| MC2 | 140 | | | | | | |
| MC2 | 141 | | | | | | |
| MC2 | 142 | | | | | | |
| MC2 | 143 | | | | | | |
| MC2 | 144 | | | | | | |
| MC2 | 145 | | | | | | |
| MC2 | 146 | | | | | | |
| MC2 | 147 | N12 | VP_0 | | | | J2E-17 |

| Connector | Pin | FPGA Pin | Pin Description | PCB Length (mm) | K160T Package Delay (ps) | K410T Package Delay (ps) | BRK7360 |
|-----------|-----|----------|-----------------|-----------------|--------------------------|--------------------------|---------|
| MC2 | 148 | P11 | VN_0 | | | | J2E-10 |
| MC2 | 149 | | | | | | J2E-19 |
| MC2 | 150 | | | | | | |
| MC2 | 151 | | | | | | |
| MC2 | 152 | | | | | | |
| MC2 | 153 | | | | | | |
| MC2 | 154 | | | | | | |
| MC2 | 155 | | | | | | |
| MC2 | 156 | | | | | | |
| MC2 | 157 | | | | | | |
| MC2 | 158 | | | | | | |
| MC2 | 159 | | | | | | |
| MC2 | 160 | | | | | | |
| MC2 | 161 | | | | | | |
| MC2 | 162 | | | | | | |
| MC2 | 163 | | | | | | |
| MC2 | 164 | | | | | | |
| MC2 | 165 | | | | | | |
| MC2 | 166 | | | | | | |
| MC2 | 167 | | | | | | |
| MC2 | 168 | | | | | | |
| MC2 | 169 | | | | | | |
| MC2 | 170 | | IPMI_SDA | | | | J2E-12 |
| MC2 | 171 | | | | | | |
| MC2 | 172 | | IPMI_SCL | | | | J2E-14 |
| MC2 | 173 | | | | | | |
| MC2 | 174 | | | | | | |
| MC2 | 175 | N8 | TMS_0 | | | | J21-4 |
| MC2 | 176 | L8 | TCK_0 | | | | J21-6 |
| MC2 | 177 | R6 | TDI_0 | | | | J21-10 |
| MC2 | 178 | | | | | | |
| MC2 | 179 | R7 | TDO_0 | | | | J21-8 |
| MC2 | 180 | | PRSNT_M2C | | | | J2E-16 |