| XI         | ME7035             | Product Name           | JN       | <b>/</b> 11    | Product Name         | XME70          | 35         |
|------------|--------------------|------------------------|----------|----------------|----------------------|----------------|------------|
| Pin Number | Signal Name        | Pin Type               | Outside  | Inside         | Pin Type             | Signal Name    | Pin Number |
|            | VCCIN_5V           | VIN_IO                 | 1        | 2              | VIN_IO               | VCCIN_5V       |            |
|            | VCCIN_5V           | VIN_IO                 | 3        | 4              | VIN_IO               | VCCIN_5V       |            |
|            | VCCIN_5V           | VIN_IO                 | 5        | 6              | VIN_IO               | VCCIN_5V       |            |
|            | VCCIN_5V           | VIN_IO                 | 7        | 8              | VIN_IO               | VCCIN_5V       |            |
|            | VCCIN_5V           | VIN_IO                 | 9        | 10             | VIN_IO               | VCCIN_5V       |            |
|            | VCCIN_5V           | VIN_IO                 | 11       | 12             | VIN_IO               | VCCIN_5V       |            |
|            | VCCIN_5V           | VIN_IO                 | 13       | 14             | VIN_IO               | VCCIN_5V       |            |
|            | PG_MOD             | PG_MOD                 | 15       | 16             | PWR_EN               | PWR_EN         |            |
| F24        | MODE0              | MODE0                  | 17       | 18             | SYS_NRST             | SYS_NRST       |            |
| C26        | MODE1              | MODE1                  | 19       | 20             | OTG_NRST             | MIO8           | A24        |
|            | GND                | GND                    | 21       | 22             | GND                  | GND            |            |
| W12        | FPGA_TCK           | FPGA_TCK               | 23       | 24             | OTG_DIR              | MIO29          | E20        |
| V11        | FPGA_TDI           | FPGA_TDI               | 25       | 26             | OTG_DATA1            | MIO33          | E22        |
| W10        | FPGA_TDO           | FPGA_TDO               | 27       | 28             | OTG_DATA3            | MIO35          | D19        |
| W11        | FPGA_TMS           | FPGA_TMS               | 29       | 30             | OTG_DATA5            | MIO37          | D20        |
|            | GND                | GND                    | 31       | 32             | GND                  | GND            |            |
|            | ETH_MDI0_P         | ETH_MDI0_P             | 33       | 34             | OTG_NXT              | MIO31          | E21        |
|            | ETH_MDI0_N         | ETH_MDI0_N             | 35       | 36             | OTG_DATA6            | MIO38          | D21        |
|            | ETH_MDI1_P         | ETH_MDI1_P             | 37       | 38             | OTG_STP              | MIO30          | K19        |
|            | ETH_MDI1_N         | ETH_MDI1_N             | 39       | 40             | OTG_DATA2            | MIO34          | J16        |
|            | GND                | GND                    | 41       | 42<br>44       | GND                  | GND            | V1C        |
|            | ETH_MDI2_P         | ETH_MDI2_P             | 43       |                | OTG_CLK              | MIO36          | K16        |
|            | ETH_MDI2_N         | ETH_MDI2_N             | 45<br>47 | 46             | OTG_DATA7            | MIO39          | C21        |
|            | ETH_MDI3_P         | ETH_MDI3_P             | 47<br>49 | 48<br>50       | OTG_DATA4            | MIO32          | K17        |
|            | ETH_MDI3_N         | ETH_MDI3_N             | 51       | 50<br>52       | OTG_DATA4            | MIO28          | J18<br>C22 |
|            | PHY_LED2           | PHY_LED0               | 53       | 54             | SD_CLK               | MIO40          |            |
| D23        | PHY_LED1           | PHY_LED1               | 55<br>55 | 5 <del>4</del> | SD_CMD               | MIO41<br>MIO42 | C19<br>F17 |
| C24        | UART_RX<br>UART_TX | UART_RX                | 57       | 58             | SD_DATA0<br>SD_DATA1 |                | D18        |
| C24<br>C18 | MIO45              | UART_TX                | 59       | 60             | SD_DATA1<br>SD_DATA2 | MIO43<br>MIO44 | E18        |
| C16        | GND                | SD_DATA3<br><b>GND</b> | 61       | 62             | GND                  | GND            | E10        |
| B17        | B35 L15 P          | IO_P                   | 63       | 64             | IO_P                 | B35_L18_P      | K15        |
| A17        | B35_L15_N          | IO_P<br>IO_N           | 65       | 66             | IO_F<br>IO_N         | B35_L18_N      | J15        |
| C17        | B35_L7_P           | IO_P                   | 67       | 68             | IO_P                 | B35_L17_P      | E16        |
| C16        | B35_L7_N           | IO_F<br>IO_N           | 69       | 70             | IO_N                 | B35_L17_N      | D16        |
| C10        | GND                | GND                    | 71       | 72             | GND                  | GND            | D 10       |
| G16        | B35_L6_P           | IO_P                   | 73       | 74             | IO_P                 | B35_L4_P       | B16        |
| G15        | B35_L6_N           | IO_N                   | 75       | 76             | IO_N                 | B35_L4_N       | B15        |
| A15        | B35_L5_P           | IO_P                   | 77       | 78             | IO_P                 | B35_L23_P      | C14        |
| A14        | B35_L5_N           | IO_N                   | 79       | 80             | IO_N                 | B35_L23_N      | B14        |
|            | GND                | GND                    | 81       | 82             | GND                  | GND            |            |
| D15        | B35_L13_MRCC_P     |                        | 83       | 84             | CLK_P                |                | F15        |
| D14        | B35_L13_MRCC_N     |                        | 85       | 86             | CLK_N                |                | E15        |
| G14        | B35_L11_SRCC_P     |                        | 87       | 88             | CLK_P                | B35_L12_MRCC_P |            |
| F14        | B35_L11_SRCC_N     |                        | 89       | 90             | CLK_N                | B35_L12_MRCC_N |            |
|            | GND                | GND                    | 91       | 92             | GND                  | GND            |            |
| D13        | B35_L21_P          | IO_P                   | 93       | 94             | IO_P                 | B35_L8_P       | K13        |
| C13        | B35_L21_N          | IO_N                   | 95       | 96             | IO_N                 | B35_L8_N       | J13        |
| C12        | B35_L3_P           | IO_P                   | 97       | 98             | IO_P                 | B35_L16_P      | A13        |
| B12        | B35_L3_N           | IO_N                   | 99       | 100            | IO_N                 | B35_L16_N      | A12        |
|            | GND                | GND                    | 101      | 102            | GND                  | GND            |            |
| F13        | B35_L10_P          | IO_P                   | 103      | 104            | IO_P                 | B35_L2_P       | C11        |
| E13        | B35_L10_N          | IO_N                   | 105      | 106            | IO_N                 | B35_L2_N       | B11        |
| E10        | B35_L22_P          | IO_P                   | 107      | 108            | IO_P                 | B35_L9_P       | G12        |
| D10        | B35_L22_N          | IO_N                   | 109      | 110            | IO_N                 | B35_L9_N       | G11        |
|            | GND                | GND                    | 111      | 112            | GND                  | GND            |            |
| G10        | B35_L19_P          | IO_P                   | 113      | 114            | IO_P                 | B35_L20_P      | E11        |
| F10        | B35_L19_N          | IO_N                   | 115      | 116            | IO_N                 | B35_L20_N      | D11        |
|            | VCCIO_35           | VIN_IO                 | 117      | 118            | IO_P                 | B35_L24_P      | H13        |
|            | VCCIO_35           | VIN_IO                 | 119      | 120            | IO_N                 | B35_L24_N      | H12        |

| Number   Signal Name   Pin Type   Inside   Outside   Pin Type   AA24   B13_L1_P   IO_P   3   4   IO_P   AB24   B13_L2_P   IO_P   7   8   IO_P   AB22   B13_L2_N   IO_N   9   10   IO_N   AB21   B13_L3_P   IO_P   13   14   IO_P   AF25   B13_L3_N   IO_N   15   I6   IO_N   AE23   B13_L4_P   IO_P   17   18   IO_P   AF23   B13_L4_N   IO_N   19   20   IO_N   AC21   B13_L11_SRCC_P   AC22   B13_L11_SRCC_P   AC22   B13_L12_MRCC_P   AD21   B13_L12_MRCC_P   AD21   B13_L12_MRCC_P   AD21   B13_L12_MRCC_P   AE20   B13_L12_MRCC_P   AI20   B13_L12_MRCC_P   AI20   B13_L12_MRCC_P   AI21   B13_L1_P   IO_P   AI21   AI20   B13_L1_P   IO_P   AI21   AI31   AI32   IO_P   AI33   AI40   IO_P   AI34   IO_P   AI34   IO_P   AI35   IO_P   | Signal Name   Signal Name   GND   |
|--|---|
| GND  | B13_L17_P   |
| AB24 B13_L1_N IO_N 5 6 IO_N AB21 B13_L2_P IO_P 7 8 IO_P AB22 B13_L2_N IO_N 9 10 IO_N GND GND 11 12 GND AF24 B13_L3_P IO_P 13 14 IO_P AF25 B13_L3_N IO_N 15 16 IO_N AF26 B13_L4_P IO_P 17 18 IO_P AF27 B13_L4_N IO_N 19 20 IO_N AF28 B13_L4_N IO_N 19 20 IO_N AF29 B13_L1_SRCC_P CLK_P 23 24 CLK_P AF29 B13_L11_SRCC_N CLK_P 23 24 CLK_P AF20 B13_L12_MRCC_N CLK_N 25 26 CLK_N AD20 B13_L12_MRCC_N CLK_P 27 28 CLK_P AD21 B13_L12_MRCC_N GND 31 32 GND AF29 B13_L12_MRCC_N IO_N 35 36 IO_N AF20 B13_L1_N IO_N 35 36 IO_N AF21 B13_L5_N IO_N 39 40 IO_N AF21 B13_L8_N IO_N 39 40 IO_N AF21 B13_L9_P IO_P 43 44 IO_P AF18 B13_L1_D IO_N 45 46 IO_N AF18 B13_L1_D IO_N 49 50 IO_N AF18 B13_L5_P IO_P 53 54 IO_P AF18 B13_L5_N IO_N 55 56 IO_N  | B13_L15_N AB25 B13_L6_P AB26 B13_L6_N AC26 GND B13_L15_P AD25 B13_L15_N AD26 B13_L16_P AE25 B13_L16_N AE26 GND B13_L13_MRCC_P AC23 B13_L13_MRCC_N AC24 B13_L14_SRCC_N AD24 GND B13_L14_SRCC_N AD24 GND B13_L18_P AE22 B13_L18_N AF22 B13_L20_P AA22 B13_L20_N AA23 GND B13_L21_P AA20 B13_L22_P AC18 B13_L22_N AC19 GND |
| AB21 B13_L2_P IO_P 7 8 IO_P AB22 B13_L2_N IO_N 9 10 IO_N GND GND 11 12 GND  AF24 B13_L3_P IO_P 13 14 IO_P AF25 B13_L3_N IO_N 15 16 IO_N AF28 B13_L4_P IO_P 17 18 IO_P AF29 B13_L4_N IO_N 19 20 IO_N GND GND 21 22 GND  AC21 B13_L11_SRCC_P AC22 B13_L11_SRCC_N AD20 B13_L12_MRCC_P AD21 B13_L12_MRCC_N GND 31 32 GND AE20 B13_L12_MRCC_N GND 31 32 GND AE20 B13_L12_MRCC_N IO_P 33 34 IO_P AE21 B13_L7_N IO_N 35 36 IO_N AE20 B13_L8_P IO_P 37 38 IO_P AE21 B13_L8_N IO_P 37 38 IO_P AB19 B13_L8_N IO_N 39 40 IO_N GND GND 41 42 GND W18 B13_L9_P IO_P 43 44 IO_P W19 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_N IO_N 49 50 IO_N GND GND GND 51 52 GND Y18 B13_L5_N IO_P 53 54 IO_P  Y18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P  | B13_L6_P AB26 B13_L6_N AC26 GND B13_L15_P AD25 B13_L15_N AD26 B13_L16_P AE25 B13_L16_N AE26 GND B13_L13_MRCC_P AC23 B13_L13_MRCC_N AC24 B13_L14_SRCC_N AD24 GND B13_L18_P AE22 B13_L18_N AF22 B13_L20_P AA22 B13_L20_N AA23 GND B13_L21_P AA20 B13_L22_P AC18 B13_L22_N AC19 GND  |
| AB22 B13_L2_N  | B13_L6_N AC26  GND  B13_L15_P AD25  B13_L15_N AD26  B13_L16_P AE25  B13_L16_N AE26  GND  B13_L13_MRCC_P AC23  B13_L13_MRCC_N AD24  B13_L14_SRCC_N AD24  GND  B13_L18_P AE22  B13_L18_N AF22  B13_L20_P AA22  B13_L20_N AA23  GND  B13_L21_P AA20  B13_L22_P AC18  B13_L22_N AC19  GND                                   |
| GND         GND         11         12         GND           AF24         B13_L3_P         IO_P         13         14         IO_P           AF25         B13_L3_N         IO_N         15         16         IO_N           AE23         B13_L4_P         IO_P         17         18         IO_P           AF23         B13_L4_N         IO_N         19         20         IO_N           AF23         B13_L4_N         IO_N         19         20         IO_N           GND         GND         21         22         GND           AC21         B13_L11_SRCC_N         CLK_P         23         24         CLK_P           AC22         B13_L11_SRCC_N         CLK_N         25         26         CLK_N           AD20         B13_L12_MRCC_N         CLK_N         27         28         CLK_N           AD21         B13_L12_MRCC_N         CLK_N         29         30         CLK_N           AE20         B13_L7_N         IO_P         33         34         IO_P           AE21         B13_L8_P         IO_P         37         38         IO_P           AB19         B13_L8_N         IO_N         39  | GND  B13_L15_P  B13_L15_N  AD26  B13_L16_P  AE25  B13_L16_N  B13_L13_MRCC_P  B13_L13_MRCC_N  B13_L14_SRCC_P  AD23  B13_L14_SRCC_N  AD24  GND  B13_L18_P  AF22  B13_L18_N  AF22  B13_L20_P  AA23  GND  B13_L21_P  AA20  B13_L21_N  AB20  B13_L22_P  AC18  B13_L22_N  GND   |
| AF24 B13_L3_P IO_P 13 14 IO_P AF25 B13_L3_N IO_N 15 16 IO_N AE23 B13_L4_P IO_P 17 18 IO_P AF23 B13_L4_N IO_N 19 20 IO_N GND GND 21 22 GND AC21 B13_L11_SRCC_P CLK_P 23 24 CLK_P AC22 B13_L11_SRCC_N CLK_N 25 26 CLK_N AD20 B13_L12_MRCC_N CLK_N 29 30 CLK_N GND GND 31 32 GND AE20 B13_L7_P IO_P 33 34 IO_P AE21 B13_L7_N IO_N 35 36 IO_N AA19 B13_L8_P IO_P 37 38 IO_P AB19 B13_L8_N IO_N 39 40 IO_N GND GND 41 42 GND W18 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_N IO_N 49 50 IO_N GND GND GND 51 52 GND Y18 B13_L5_P IO_P 53 54 IO_P  AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO  | B13_L15_P AD25 B13_L15_N AD26 B13_L16_P AE25 B13_L16_N AE26 GND B13_L13_MRCC_P AC23 B13_L13_MRCC_N AD24 B13_L14_SRCC_N AD24 GND B13_L14_SRCC_N AD24 GND B13_L18_P AE22 B13_L18_N AF22 B13_L20_P AA22 B13_L20_N AA23 GND B13_L21_P AA20 B13_L21_N AB20 B13_L22_P AC18 B13_L22_N AC19 GND                                 |
| AF25 B13_L3_N IO_N 15 16 IO_N AE23 B13_L4_P IO_P 17 18 IO_P AF23 B13_L4_N IO_N 19 20 IO_N GND GND 21 22 GND AC21 B13_L11_SRCC_P CLK_P 23 24 CLK_P AC22 B13_L11_SRCC_N CLK_N 25 26 CLK_N AD20 B13_L12_MRCC_P CLK_P 27 28 CLK_P AD21 B13_L12_MRCC_N CLK_N 29 30 CLK_N GND GND 31 32 GND AE20 B13_L7_P IO_P 33 34 IO_P AE21 B13_L7_N IO_N 35 36 IO_N AA19 B13_L8_P IO_P 37 38 IO_P AB19 B13_L8_N IO_N 39 40 IO_N GND GND 41 42 GND W18 B13_L9_P IO_P 43 44 IO_P W19 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_P IO_P 47 48 IO_P AF18 B13_L10_N IO_N 49 50 IO_N GND GND GND 51 52 GND  Y18 B13_L5_P IO_P 53 54 IO_P  AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO   | B13_L15_N AD26 B13_L16_P AE25 B13_L16_N AE26 GND B13_L13_MRCC_P AC23 B13_L13_MRCC_N AC24 B13_L14_SRCC_N AD23 B13_L14_SRCC_N AD24 GND B13_L18_P AE22 B13_L18_N AF22 B13_L20_P AA22 B13_L20_N AA23 GND B13_L21_P AA20 B13_L21_N AB20 B13_L22_P AC18 B13_L22_N AC19 GND  |
| AE23 B13_L4_P IO_P 17 18 IO_P AF23 B13_L4_N IO_N 19 20 IO_N GND GND 21 22 GND  AC21 B13_L11_SRCC_P CLK_P 23 24 CLK_P AC22 B13_L11_SRCC_N CLK_N 25 26 CLK_N AD20 B13_L12_MRCC_N CLK_N 29 30 CLK_N GND GND 31 32 GND  AE20 B13_L7_P IO_P 33 34 IO_P AE21 B13_L7_N IO_N 35 36 IO_N AA19 B13_L8_P IO_P 37 38 IO_P AB19 B13_L8_N IO_N 39 40 IO_N GND GND GND 41 42 GND W18 B13_L9_N IO_P 43 44 IO_P W19 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_N IO_N 45 46 IO_N AE18 B13_L10_N IO_N 49 50 IO_N GND GND GND 51 52 GND  Y18 B13_L5_P IO_P 53 54 IO_P  AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P  | B13_L16_P AE25 B13_L16_N AE26 GND B13_L13_MRCC_P AC23 B13_L13_MRCC_N AC24 B13_L14_SRCC_N AD24 GND B13_L18_P AE22 B13_L18_N AF22 B13_L20_P AA22 B13_L20_N AA23 GND B13_L21_P AA20 B13_L21_N AB20 B13_L22_P AC18 B13_L22_N AC19 GND   |
| AF23 B13_L4_N  | B13_L16_N   |
| GND  AC21  B13_L11_SRCC_P  AC22  B13_L11_SRCC_N  AD20  B13_L12_MRCC_P  AD21  B13_L12_MRCC_N  GND  GND  CLK_N  GND  AE20  B13_L7_P  IO_P  AE21  B13_L8_P  IO_P  AB19  B13_L8_N  GND  GND  GND  W18  B13_L9_P  W19  B13_L9_N  AE18  B13_L10_P  IO_P  AF18  B13_L10_N  GND  GND  GND  GND  GND  GND  GND  G   | GND B13_L13_MRCC_P AC23 B13_L13_MRCC_N AC24 B13_L14_SRCC_P AD23 B13_L14_SRCC_N AD24 GND B13_L18_P AE22 B13_L18_N AF22 B13_L20_P AA22 B13_L20_N AA23 GND B13_L21_P AA20 B13_L21_N AB20 B13_L22_P AC18 B13_L22_N AC19 GND   |
| AC21   | B13_L13_MRCC_P B13_L13_MRCC_N AC24 B13_L14_SRCC_P AD23 B13_L14_SRCC_N AD24 GND B13_L18_P AF22 B13_L20_P AA22 B13_L20_N AA23 GND B13_L21_P AA20 B13_L21_N AB20 B13_L22_P AC18 B13_L22_N AC19 GND   |
| AC22 B13_L11_SRCC_N AD20 B13_L12_MRCC_P AD21 B13_L12_MRCC_N GND GND 31 32 GND AE20 B13_L7_P IO_P 33 34 IO_P AE21 B13_L7_N IO_N 35 36 IO_N AA19 B13_L8_P IO_P 37 38 IO_P AB19 B13_L8_N IO_N 39 40 IO_N GND GND 41 42 GND W18 B13_L9_P IO_P 43 44 IO_P W19 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_P IO_P 47 48 IO_P AF18 B13_L10_N IO_N 49 50 IO_N GND GND GND 51 52 GND Y18 B13_L5_P IO_P 53 54 IO_P AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P  | B13_L13_MRCC_N AC24 B13_L14_SRCC_P AD23 B13_L14_SRCC_N AD24 GND B13_L18_P AE22 B13_L20_P AA22 B13_L20_N AA23 GND B13_L21_P AA20 B13_L21_N AB20 B13_L22_P AC18 B13_L22_N AC19 GND  |
| AD20 B13_L12_MRCC_P AD21 B13_L12_MRCC_N GND GND 31 32 GND AE20 B13_L7_P IO_P 33 34 IO_P AE21 B13_L7_N IO_N 35 36 IO_N AA19 B13_L8_P IO_P 37 38 IO_P AB19 B13_L8_N IO_N 39 40 IO_N GND GND 41 42 GND W18 B13_L9_P IO_P 43 44 IO_P W19 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_P IO_P 47 48 IO_P AF18 B13_L10_N IO_N 49 50 IO_N GND GND GND 51 52 GND Y18 B13_L5_P IO_P 53 54 IO_P AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P  | B13_L14_SRCC_P B13_L14_SRCC_N GND B13_L18_P B13_L18_N B13_L20_P B13_L20_N B13_L21_P B13_L21_N B13_L21_N B13_L22_P B13_L22_N AC18 B13_L22_N GND B13_L22_N GND  |
| AD21 B13_L12_MRCC_N GND GND 31 32 GND  AE20 B13_L7_P IO_P 33 34 IO_P  AE21 B13_L7_N IO_N 35 36 IO_N  AA19 B13_L8_P IO_P 37 38 IO_P  AB19 B13_L8_N IO_N 39 40 IO_N  GND GND GND 41 42 GND  W18 B13_L9_P IO_P 43 44 IO_P  W19 B13_L9_N IO_N 45 46 IO_N  AE18 B13_L10_P IO_P 47 48 IO_P  AF18 B13_L10_N IO_N 49 50 IO_N  GND GND GND 51 52 GND  Y18 B13_L5_P IO_P 53 54 IO_P  AA18 B13_L5_N IO_N 55 56 IO_N  VCCIO_13 VIN_IO 57 58 IO_P   | B13_L14_SRCC_N GND  B13_L18_P  B13_L18_N  AF22  B13_L20_P  AA22  B13_L20_N  AA23  GND  B13_L21_P  AA20  B13_L21_N  B13_L22_P  AC18  B13_L22_N  GND  |
| GND  AE20 B13_L7_P IO_P AE21 B13_L7_N IO_N AA19 B13_L8_P IO_P AB19 B13_L8_N IO_N GND GND W18 B13_L9_P IO_P W19 B13_L9_N IO_N AE18 B13_L10_P IO_P AF18 B13_L10_N IO_N GND GND GND GND GND GND GND AE18 B13_L10_P IO_P AF18 B13_L10_N IO_N AE18 B13_L5_P IO_P AE18 B13_L5_P IO_P AE18 B13_L5_N IO_N FEB SEB IO_P AE20 B13_L5_N IO_N FEB SEB IO_P B13_L5_N IO_N IO_N IO_N IO_N IO_N IO_N IO_N IO  | GND  B13_L18_P AE22  B13_L18_N AF22  B13_L20_P AA22  B13_L20_N AA23  GND  B13_L21_P AA20  B13_L21_N AB20  B13_L22_P AC18  B13_L22_N AC19  GND   |
| AE20 B13_L7_P IO_P 33 34 IO_P AE21 B13_L7_N IO_N 35 36 IO_N AA19 B13_L8_P IO_P 37 38 IO_P AB19 B13_L8_N IO_N 39 40 IO_N GND GND 41 42 GND W18 B13_L9_P IO_P 43 44 IO_P W19 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_P IO_P 47 48 IO_P AF18 B13_L10_N IO_N 49 50 IO_N GND GND GND 51 52 GND Y18 B13_L5_P IO_P 53 54 IO_P AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P  | B13_L18_P AE22 B13_L18_N AF22 B13_L20_P AA22 B13_L20_N AA23 GND B13_L21_P AA20 B13_L21_N AB20 B13_L22_P AC18 B13_L22_N AC19 GND   |
| AE21 B13_L7_N IO_N 35 36 IO_N AA19 B13_L8_P IO_P 37 38 IO_P AB19 B13_L8_N IO_N 39 40 IO_N GND GND 41 42 GND W18 B13_L9_P IO_P 43 44 IO_P W19 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_P IO_P 47 48 IO_P AF18 B13_L10_N IO_N 49 50 IO_N GND GND 51 52 GND Y18 B13_L5_P IO_P 53 54 IO_P AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P  | B13_L18_N AF22 B13_L20_P AA22 B13_L20_N AA23 GND B13_L21_P AA20 B13_L21_N AB20 B13_L22_P AC18 B13_L22_N AC19 GND  |
| AA19 B13_L8_P IO_P 37 38 IO_P AB19 B13_L8_N IO_N 39 40 IO_N GND GND 41 42 GND W18 B13_L9_P IO_P 43 44 IO_P W19 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_P IO_P 47 48 IO_P AF18 B13_L10_N IO_N 49 50 IO_N GND GND 51 52 GND Y18 B13_L5_P IO_P 53 54 IO_P AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P  | B13_L20_P AA22 B13_L20_N AA23  GND  B13_L21_P AA20 B13_L21_N AB20 B13_L22_P AC18 B13_L22_N AC19 GND   |
| AB19 B13_L8_N   IO_N   39   40   IO_N   41   42   GND   42   GND   43   44   IO_P   43   44   IO_P   45   46   IO_N   45   46   IO_N   45   46   IO_N   46   IO_P   47   48   IO_P   48   IO_P   49   50   IO_N   49   50   IO_N   51   52   GND   51   52   GND   51   52   GND   51   54   IO_P   53   54   IO_P   55   56   IO_N   55   56   IO_N   55   56   IO_N   55   56   IO_N   55   56   IO_P   58   IO_P   10   IO_P   IO_P | B13_L20_N AA23  GND  B13_L21_P AA20  B13_L21_N AB20  B13_L22_P AC18  B13_L22_N AC19  GND  |
| GND         GND         41         42         GND           W18         B13_L9_P         IO_P         43         44         IO_P           W19         B13_L9_N         IO_N         45         46         IO_N           AE18         B13_L10_P         IO_P         47         48         IO_P           AF18         B13_L10_N         IO_N         49         50         IO_N           GND         51         52         GND           Y18         B13_L5_P         IO_P         53         54         IO_P           AA18         B13_L5_N         IO_N         55         56         IO_N           VCCIO_13         VIN_IO         57         58         IO_P  | GND  B13_L21_P  |
| W18 B13_L9_P IO_P 43 44 IO_P W19 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_P IO_P 47 48 IO_P 50 IO_N GND GND 51 52 GND Y18 B13_L5_P IO_P 53 54 IO_P AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P   | B13_L21_P AA20 B13_L21_N AB20 B13_L22_P AC18 B13_L22_N AC19 GND   |
| W19 B13_L9_N IO_N 45 46 IO_N AE18 B13_L10_P IO_P 47 48 IO_P AF18 B13_L10_N IO_N 49 50 IO_N GND GND 51 52 GND Y18 B13_L5_P IO_P 53 54 IO_P AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P   | B13_L21_N AB20<br>B13_L22_P AC18<br>B13_L22_N AC19<br>GND   |
| AE18 B13_L10_P IO_P 47 48 IO_P AF18 B13_L10_N IO_N 49 50 IO_N GND GND 51 52 GND Y18 B13_L5_P IO_P 53 54 IO_P AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P  | B13_L22_P AC18<br>B13_L22_N AC19<br>GND   |
| AF18 B13_L10_N IO_N 49 50 IO_N GND 51 52 GND F18 B13_L5_P IO_P 53 54 IO_P AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P   | B13_L22_N AC19<br>GND   |
| GND         GND         51         52         GND           Y18         B13_L5_P         IO_P         53         54         IO_P           AA18         B13_L5_N         IO_N         55         56         IO_N           VCCIO_13         VIN_IO         57         58         IO_P  | GND   |
| Y18       B13_L5_P       IO_P       53       54       IO_P         AA18       B13_L5_N       IO_N       55       56       IO_N         VCCIO_13       VIN_IO       57       58       IO_P  |   |
| AA18 B13_L5_N IO_N 55 56 IO_N VCCIO_13 VIN_IO 57 58 IO_P   | B13_L23_P AF19  |
| VCCIO_13 VIN_IO 57 58 IO_P   |   |
|  | B13_L23_N AF20  |
| 100 CO 10 N  | B13_L24_P AD18  |
| VCCIO_13   | B13_L24_N AD19  |
| GND GND 61 62 GND  | GND   |
| AE16 B12_L1_P IO_P 63 64 IO_P AE15 B12_L1_N IO_N 65 66 IO_N  | B12_L17_P Y17   |
| 102  | B12_L17_N AA17  |
|  | B12_L6_P AC17   |
|  | B12_L6_N AC16<br>GND  |
|  | B12_L15_P AD16  |
| 1-   | B12_L15_N AD15  |
| AB16 B12_L3_N IO_N 75 76 IO_N W16 B12_L4_P IO_P 77 78 IO_P   | B12_L16_P Y16   |
| W15 B12_L4_N IO_N 79 80 IO_N   | B12_L16_N Y15   |
| GND GND 81 82 GND  | GND   |
| AC12 B12_L11_SRCC_P CLK_P 83 84 CLK_P  | B12 L13 MRCC P AC14   |
| AD11 B12_L11_SRCC_N CLK_N 85 86 CLK_N  | B12_L13_MRCC_N AD14   |
| AC13 B12_L12_MRCC_P CLK_P 87 88 CLK_P  | B12_L14_SRCC_P AB15   |
| AD13 B12_L12_MRCC_N CLK_N 89 90 CLK_N  | B12 L14 SRCC N AB14   |
| GND GND 91 92 GND  | GND   |
| AE11 B12_L7_P IO_P 93 94 IO_P  | B12_L19_P AE12  |
| AF10 B12_L7_N IO_N 95 96 IO_N  | B12_L19_N AF12  |
| AE10 B12_L8_P IO_P 97 98 IO_P  | B12_L20_P AE13  |
| AD10 B12_L8_N IO_N 99 100 IO_N   | B12_L20_N AF13  |
| GND GND 101 102 GND  | GND   |
| AB12 B12_L9_P IO_P 103 104 IO_P  | B12_L21_P AA15  |
| AC11 B12_L9_N IO_N 105 106 IO_N  | B12_L21_N AA14  |
| AA13 B12_L10_P IO_P 107 108 IO_P   | B12_L22_P Y12   |
| AA12 B12_L10_N IO_N 109 110 IO_N   | B12_L22_N Y11   |
| GND GND 111 112 GND  | GND   |
| W13 B12_L5_P IO_P 113 114 IO_P   | B12_L23_P AB11  |
| Y13 B12_L5_N IO_N 115 116 IO_N   | B12_L23_N AB10  |
| VCCIO_12 VIN_IO 117 118 IO_P   | B12_L24_P Y10   |
| VCCIO_12 VIN_IO 119 120 IO_N   | B12_L24_N AA10  |

| XI         | ME7035                       | Product Name           | J٨       | 14       | Product Name         | XME70                        | 35         |
|------------|------------------------------|------------------------|----------|----------|----------------------|------------------------------|------------|
| Pin Number |                              | Pin Type               | Inside   | Outside  | Pin Type             | Signal Name                  | Pin Number |
|            | GND                          | GND                    | 1        | 2        | GND                  | GND                          |            |
|            |                              | MGT_CLK_P              | 3        | 4        | MGT_CLK_P            |                              |            |
|            |                              | MGT_CLK_N              | 5        | 6        | MGT_CLK_N            |                              |            |
|            | GND                          | GND                    | 7        | 8        | GND                  | GND                          |            |
|            |                              | MGT_RX_P               | 9        | 10       | MGT_TX_P             |                              |            |
|            |                              | MGT_RX_N               | 11       | 12       | MGT_TX_N             |                              |            |
|            | GND                          | GND                    | 13       | 14       |                      | GND                          |            |
|            |                              | MGT_RX_P               | 15       | 16       | MGT_TX_P             |                              |            |
|            |                              | MGT_RX_N               | 17       | 18       | MGT_TX_N             |                              |            |
|            | GND                          | GND                    | 19       | 20       |                      | GND                          |            |
|            |                              | MGT_RX_P               | 21       | 22       | MGT_TX_P             |                              |            |
|            | CND                          | MGT_RX_N               | 23<br>25 | 24<br>26 | MGT_TX_N             | CND                          |            |
|            | GND                          | GND<br>MCT DV D        | 25<br>27 | 28       | MCT TV D             | GND                          |            |
|            |                              | MGT_RX_P               | 29       | 30       | MGT_TX_P             |                              |            |
|            | GND                          | MGT_RX_N<br><b>GND</b> | 31       | 30       | MGT_TX_N<br>GND      | GND                          |            |
| R6         |                              | MGT CLK P              | 33       | 34       | MGT CLK P            | MGT112_CLK1_P                | U6         |
| R5         |                              | MGT_CLK_P              | 35       | 36       | MGT_CLK_P            | MGT112_CLK1_P                | U5         |
| 11.5       | GND                          | GND                    | 37       | 38       | GND                  | GND                          | 33         |
| T4         | MGT112_RX3_P                 | MGT_RX_P               | 39       | 40       | MGT_TX_P             | MGT112_TX3_P                 | R2         |
| T3         | MGT112_RX3_F<br>MGT112_RX3_N | MGT_RX_F               | 41       | 42       | MGT_TX_F<br>MGT_TX_N | MGT112_TX3_F<br>MGT112_TX3_N | R1         |
|            | GND                          | GND                    | 43       | 44       | GND                  | GND                          |            |
| V4         | MGT112_RX2_P                 | MGT_RX_P               | 45       | 46       | MGT_TX_P             | MGT112_TX2_P                 | U2         |
| V3         | MGT112_RX2_N                 | MGT_RX_N               | 47       | 48       | MGT_TX_N             | MGT112_TX2_N                 | U1         |
|            | GND                          | GND                    | 49       | 50       | GND                  | GND                          |            |
| Y4         | MGT112_RX1_P                 | MGT_RX_P               | 51       | 52       | MGT_TX_P             | MGT112_TX1_P                 | W2         |
| Y3         | MGT112_RX1_N                 | MGT_RX_N               | 53       | 54       | MGT_TX_N             | MGT112_TX1_N                 | W1         |
|            | GND                          | GND                    | 55       | 56       | GND                  | GND                          |            |
| AB4        | MGT112_RX0_P                 | MGT_RX_P               | 57       | 58       | MGT_TX_P             | MGT112_TX0_P                 | AA2        |
| AB3        | MGT112_RX0_N                 | MGT_RX_N               | 59       | 60       | MGT_TX_N             | MGT112_TX0_N                 | AA1        |
|            | GND                          | GND                    | 61       | 62       | GND                  | GND                          |            |
| W6         | MGT111_CLK0_P                | MGT_CLK_P              | 63       | 64       | MGT_CLK_P            | MGT111_CLK1_P                | AA6        |
| W5         | MGT111_CLK0_N                | MGT_CLK_N              | 65       | 66       | MGT_CLK_N            | MGT111_CLK1_N                | AA5        |
|            | GND                          | GND                    | 67       | 68       | GND                  | GND                          |            |
| AD4        | MGT111_RX3_P                 | MGT_RX_P               | 69       | 70       | MGT_TX_P             | MGT111_TX3_P                 | AC2        |
| AD3        | MGT111_RX3_N                 | MGT_RX_N               | 71       | 72       | MGT_TX_N             | MGT111_TX3_N                 | AC1        |
|            | GND                          | GND                    | 73       | 74       | GND                  | GND                          |            |
| AC6        | MGT111_RX2_P                 | MGT_RX_P               | 75       | 76       | MGT_TX_P             | MGT111_TX2_P                 | AE2        |
| AC5        | MGT111_RX2_N                 | MGT_RX_N               | 77       | 78       | MGT_TX_N             | MGT111_TX2_N                 | AE1        |
|            | GND                          | GND                    | 79       | 80       | GND                  | GND                          |            |
| AE6        | MGT111_RX1_P                 | MGT_RX_P               | 81       | 82       | MGT_TX_P             | MGT111_TX1_P                 | AF4        |
| AE5        | MGT111_RX1_N                 | MGT_RX_N               | 83<br>05 | 84       | MGT_TX_N             | MGT111_TX1_N                 | AF3        |
| 400        | GND                          | GND                    | 85<br>87 | 86       | GND                  | GND                          | 450        |
| AD8        | MGT111_RX0_P                 | MGT_RX_P               | 87<br>80 | 88       | MGT_TX_P             | MGT111_TX0_P                 | AF8        |
| AD7        | MGT111_RX0_N                 | MGT_RX_N               | 89       | 90       | MGT_TX_N             | MGT111_TX0_N                 | AF7        |
|            | GND                          | GND                    | 91       | 92<br>94 | GND                  | GND                          |            |
|            |                              | MGT_CLK_P              | 93<br>95 | 94       | MGT_CLK_P            |                              |            |
|            | GND                          | MGT_CLK_N              | 95<br>97 | 98       | MGT_CLK_N            | GND                          |            |
|            | CIAD                         | GND<br>MGT_RX_P        | 99       | 100      | GND<br>MGT_TX_P      |                              |            |
|            |                              | MGT_RX_P<br>MGT_RX_N   | 101      | 100      | MGT_TX_N             |                              |            |
|            | GND                          | GND                    | 101      | 104      | GND                  | GND                          |            |
|            | 5.15                         | MGT_RX_P               | 105      | 104      | MGT_TX_P             | 5.15                         |            |
|            |                              | MGT_RX_N               | 107      | 108      | MGT_TX_N             |                              |            |
|            | GND                          | GND                    | 109      | 110      | GND                  | GND                          |            |
|            |                              | MGT_RX_P               | 111      | 112      | MGT_TX_P             |                              |            |
|            |                              | MGT_RX_N               | 113      | 114      | MGT_TX_N             |                              |            |
|            | GND                          | GND                    | 115      | 116      | GND                  | GND                          |            |
|            |                              | MGT_RX_P               | 117      | 118      | MGT_TX_P             |                              |            |
|            |                              | MGT_RX_N               | 119      | 120      | MGT_TX_N             |                              |            |
|            |                              |                        |          |          |                      |                              |            |