

| FPGA Bank Voltages |           |
|--------------------|-----------|
| Module:            | TE0720    |
| Bank               | Value     |
| 13_HR              | JM2(7,9)  |
| 33_HR              | JM2(5)    |
| 34_HR              | JM2(1,3)  |
| 35_HR              | JM1(9,11) |
| MIO0_500           | 3.3V      |
| MIO1_501           | 1.8V      |

| Board-Module connecting plug pair |                     |             |            |         |                     |                          |      |
|-----------------------------------|---------------------|-------------|------------|---------|---------------------|--------------------------|------|
|                                   | Module: TE0720      |             |            | Mapping | Base Board: TE0703  |                          |      |
|                                   | Connector: JM1      |             |            |         | Connector: JB1      |                          |      |
|                                   | Connector Pins: 100 |             |            |         | Connector Pins: 100 |                          |      |
| XDC-Export                        | FPGA Pin            | Schem. Name | PIN Number |         | Pin Number2         | Comp. Pin / Name         | Side |
| No                                |                     | VIN         | 1          | ↔       | 2                   | 3.3V                     | 1    |
| No                                |                     | VIN         | 3          | ↔       | 4                   | 3.3V                     | 1    |
| No                                |                     | VIN         | 5          | ↔       | 6                   | 3.3V                     | 1    |
| No                                |                     | NOSEQ       | 7          | ↔       | 8                   | U5-78                    | 1    |
| No                                |                     | VCCIO35     | 9          | ↔       | 10                  | VCCIOA/M3.3VOUT/M1.8VOUT | 1    |
| No                                |                     | VCCIO35     | 11         | ↔       | 12                  | VCCIOA/M3.3VOUT/M1.8VOUT | 1    |
| No                                |                     | 3.3VIN      | 13         | ↔       | 14                  | 3.3V                     | 1    |
| No                                |                     | 3.3VIN      | 15         | ↔       | 16                  | 3.3V                     | 1    |
| No                                |                     | MIO45       | 17         | ↔       | 18                  | U2-3                     | 1    |
| No                                |                     | MIO44       | 19         | ↔       | 20                  | U2-1                     | 1    |
| No                                |                     | MIO43       | 21         | ↔       | 22                  | U2-7                     | 1    |
| No                                |                     | MIO42       | 23         | ↔       | 24                  | U2-6                     | 1    |
| No                                |                     | MIO41       | 25         | ↔       | 26                  | U2-4                     | 1    |
| No                                |                     | MIO40       | 27         | ↔       | 28                  | U2-9                     | 1    |
| No                                |                     | GND         | 29         | ↔       | 30                  | GND                      | 1    |
| Yes                               | C22                 | B35_L16_N   | 31         | ↔       | 32                  | J1-A19                   | 1    |
| Yes                               | D22                 | B35_L16_P   | 33         | ↔       | 34                  | J1-A18                   | 1    |
| Yes                               | G22                 | B35_L24_N   | 35         | ↔       | 36                  | J1-C17                   | 1    |
| Yes                               | H22                 | B35_L24_P   | 37         | ↔       | 38                  | J1-C16                   | 1    |
| No                                |                     | 1.8V        | 39         | ↔       | 40                  | M1.8VOUT                 | 1    |
| Yes                               | B22                 | B35_L18_N   | 41         | ↔       | 42                  | J1-B16                   | 1    |
| Yes                               | B21                 | B35_L18_P   | 43         | ↔       | 44                  | J1-B15                   | 1    |
| Yes                               | A22                 | B35_L15_N   | 45         | ↔       | 46                  | J1-C15                   | 1    |
| Yes                               | A21                 | B35_L15_P   | 47         | ↔       | 48                  | J1-C14                   | 1    |
| Yes                               | G21                 | B35_L22_N   | 49         | ↔       | 50                  | J1-B14                   | 1    |
| Yes                               | G20                 | B35_L22_P   | 51         | ↔       | 52                  | J1-B13                   | 1    |
| No                                |                     | GND         | 53         | ↔       | 54                  | GND                      | 1    |
| Yes                               | D21                 | B35_L17_N   | 55         | ↔       | 56                  | J1-A13                   | 1    |
| Yes                               | E21                 | B35_L17_P   | 57         | ↔       | 58                  | J1-A12                   | 1    |
| Yes                               | B20                 | B35_L13_N   | 59         | ↔       | 60                  | J1-A11                   | 1    |
| Yes                               | B19                 | B35_L13_P   | 61         | ↔       | 62                  | J1-A10                   | 1    |
| No                                |                     | GND         | 63         | ↔       | 64                  | GND                      | 1    |
| Yes                               | C20                 | B35_L14_N   | 65         | ↔       | 66                  | J1-A9                    | 1    |
| Yes                               | D20                 | B35_L14_P   | 67         | ↔       | 68                  | J1-A8                    | 1    |
| Yes                               | G16                 | B35_L4_N    | 69         | ↔       | 70                  | J1-C9                    | 1    |
| Yes                               | G15                 | B35_L4_P    | 71         | ↔       | 72                  | J1-C8                    | 1    |
| No                                |                     | GND         | 73         | ↔       | 74                  | GND                      | 1    |
| Yes                               | C19                 | B35_L12_N   | 75         | ↔       | 76                  | J1-A7                    | 1    |
| Yes                               | D18                 | B35_L12_P   | 77         | ↔       | 78                  | J1-A6                    | 1    |
| No                                |                     | VBAT_IN     | 79         | ↔       | 80                  | VBAT                     | 1    |
| Yes                               | F19                 | B35_L20_N   | 81         | ↔       | 82                  | J1-C7                    | 1    |
| Yes                               | G19                 | B35_L20_P   | 83         | ↔       | 84                  | J1-C6                    | 1    |
| No                                |                     | MIO15       | 85         | ↔       | 86                  | U5-95                    | 1    |
| No                                |                     | MIO0        | 87         | ↔       | 88                  | U5-94                    | 1    |
| No                                |                     | JTAGMODE    | 89         | ↔       | 90                  | U5-104                   | 1    |
| No                                |                     | MIO9        | 91         | ↔       | 92                  | U5-96                    | 1    |
| No                                |                     | MIO11       | 93         | ↔       | 94                  | U5-97                    | 1    |
| No                                |                     | MIO10       | 95         | ↔       | 96                  | U5-98                    | 1    |
| No                                |                     | MIO13       | 97         | ↔       | 98                  | U5-99                    | 1    |
| No                                |                     | MIO12       | 99         | ↔       | 100                 | U5-100                   | 1    |
| No                                |                     | GND         | 2          | ↔       | 1                   | GND                      | 2    |
| No                                |                     | PHY_MDIO_P  | 4          | ↔       | 3                   | J14-2                    | 2    |
| No                                |                     | PHY_MDIO_N  | 6          | ↔       | 5                   | J14-3                    | 2    |
| No                                |                     | GND         | 8          | ↔       | 7                   | GND                      | 2    |
| No                                |                     | PHY_MDIO1_P | 10         | ↔       | 9                   | J14-4                    | 2    |
| No                                |                     | PHY_MDIO1_N | 12         | ↔       | 11                  | J14-5                    | 2    |
| No                                |                     | PHY_COM     | 14         | ↔       | 13                  |                          | 2    |
| No                                |                     | PHY_MDIO2_P | 16         | ↔       | 15                  | J14-6                    | 2    |
| No                                |                     | PHY_MDIO2_N | 18         | ↔       | 17                  | J14-7                    | 2    |
| No                                |                     | GND         | 20         | ↔       | 19                  | GND                      | 2    |
| No                                |                     | PHY_MDIO3_P | 22         | ↔       | 21                  | J14-8                    | 2    |
| No                                |                     | PHY_MDIO3_N | 24         | ↔       | 23                  | J14-9                    | 2    |
| No                                |                     | GND         | 26         | ↔       | 25                  | GND                      | 2    |
| No                                |                     | EN1         | 28         | ↔       | 27                  | U5-81                    | 2    |
| No                                |                     | PGOOD       | 30         | ↔       | 29                  | U5-82                    | 2    |
| No                                |                     | MODE        | 32         | ↔       | 31                  | U5-83                    | 2    |
| No                                |                     | GND         | 34         | ↔       | 33                  | GND                      | 2    |
| Yes                               | A19                 | B35_L10_N   | 36         | ↔       | 35                  | J1-B18                   | 2    |
| Yes                               | A18                 | B35_L10_P   | 38         | ↔       | 37                  | J1-B17                   | 2    |
| Yes                               | A17                 | B35_L9_N    | 40         | ↔       | 39                  | J1-A17                   | 2    |
| Yes                               | A16                 | B35_L9_P    | 42         | ↔       | 41                  | J1-A16                   | 2    |
| No                                |                     | GND         | 44         | ↔       | 43                  | GND                      | 2    |
| Yes                               | B15                 | B35_L7_N    | 46         | ↔       | 45                  | J1-A15                   | 2    |
| Yes                               | C15                 | B35_L7_P    | 48         | ↔       | 47                  | J1-A14                   | 2    |
| Yes                               | D17                 | B35_L2_N    | 50         | ↔       | 49                  | J1-C13                   | 2    |
| Yes                               | D16                 | B35_L2_P    | 52         | ↔       | 51                  | J1-C12                   | 2    |
| No                                |                     | GND         | 54         | ↔       | 53                  | GND                      | 2    |
| Yes                               | B17                 | B35_L8_N    | 56         | ↔       | 55                  | J1-B12                   | 2    |
| Yes                               | B16                 | B35_L8_P    | 58         | ↔       | 57                  | J1-B11                   | 2    |
| Yes                               | E20                 | B35_L21_N   | 60         | ↔       | 59                  | J1-C11                   | 2    |
| Yes                               | E19                 | B35_L21_P   | 62         | ↔       | 61                  | J1-C10                   | 2    |
| No                                |                     | GND         | 64         | ↔       | 63                  | GND                      | 2    |
| Yes                               | C18                 | B35_L11_N   | 66         | ↔       | 65                  | J1-B10                   | 2    |
| Yes                               | C17                 | B35_L11_P   | 68         | ↔       | 67                  | J1-B9                    | 2    |
| Yes                               | F22                 | B35_L23_N   | 70         | ↔       | 69                  | J1-B8                    | 2    |
| Yes                               | F21                 | B35_L23_P   | 72         | ↔       | 71                  | J1-B7                    | 2    |

| Board-Module connecting plug pair |                     |             |            |         |                     |                          |      |
|-----------------------------------|---------------------|-------------|------------|---------|---------------------|--------------------------|------|
|                                   | Module: TE0720      |             |            | Mapping | Base Board: TE0703  |                          |      |
|                                   | Connector: JM2      |             |            |         | Connector: JB2      |                          |      |
|                                   | Connector Pins: 100 |             |            |         | Connector Pins: 100 |                          |      |
| XDC-Export                        | FPGA Pin            | Schem. Name | PIN Number |         | Pin Number2         | Comp. Pin / Name         | Side |
| No                                |                     | VCCIO34     | 1          | ↔       | 2                   | VCCIOB/M3.3VOUT/M1.8VOUT | 1    |
| No                                |                     | VCCIO34     | 3          | ↔       | 4                   | VCCIOB/M3.3VOUT/M1.8VOUT | 1    |
| No                                |                     | VCCIO33     | 5          | ↔       | 6                   | VCCIOC/M3.3VOUT/M1.8VOUT | 1    |
| No                                |                     | VCCIO13     | 7          | ↔       | 8                   | VCCIOD/M3.3VOUT/M1.8VOUT | 1    |
| No                                |                     | VCCIO13     | 9          | ↔       | 10                  | VCCIOD/M3.3VOUT/M1.8VOUT | 1    |
| Yes                               | AA22                | B33_L7_P    | 11         | ↔       | 12                  | J2-A25                   | 1    |
| Yes                               | AB22                | B33_L7_N    | 13         | ↔       | 14                  | J2-A24                   | 1    |
| Yes                               | AA21                | B33_L8_P    | 15         | ↔       | 16                  | J2-B24                   | 1    |
| Yes                               | AB21                | B33_L8_N    | 17         | ↔       | 18                  | J2-B23                   | 1    |
| No                                |                     | 1.5V        | 19         | ↔       | 20                  | NC                       | 1    |
| Yes                               | Y19                 | B33_L11_P   | 21         | ↔       | 22                  | J2-A23                   | 1    |
| Yes                               | AA19                | B33_L11_N   | 23         | ↔       | 24                  | J2-A22                   | 1    |
| Yes                               | Y18                 | B33_L12_P   | 25         | ↔       | 26                  | J2-C23                   | 1    |
| Yes                               | AA18                | B33_L12_N   | 27         | ↔       | 28                  | J2-C22                   | 1    |
| Yes                               | V15 / V19           | B33_VREF    | 29         | ↔       | 30                  | GND                      | 1    |
| Yes                               | AA17                | B33_L17_P   | 31         | ↔       | 32                  | J2-C21                   | 1    |
| Yes                               | AB17                | B33_L17_N   | 33         | ↔       | 34                  | J2-C20                   | 1    |
| Yes                               | AA16                | B33_L18_P   | 35         | ↔       | 36                  | J2-C19                   | 1    |
| Yes                               | AB16                | B33_L18_N   | 37         | ↔       | 38                  | J2-C18                   | 1    |
| No                                |                     | GND         | 39         | ↔       | 40                  | GND                      | 1    |
| Yes                               | AA12                | B13_L7_P    | 41         | ↔       | 42                  | J2-C17                   | 1    |
| Yes                               | AB12                | B13_L7_N    | 43         | ↔       | 44                  | J2-C16                   | 1    |
| Yes                               | AA11                | B13_L8_P    | 45         | ↔       | 46                  | J2-C15                   | 1    |
| Yes                               | AB11                | B13_L8_N    | 47         | ↔       | 48                  | J2-C14                   | 1    |
| No                                |                     | GND         | 49         | ↔       | 50                  | GND                      | 1    |
| Yes                               | AA9                 | B13_L11_P   | 51         | ↔       | 52                  | J2-C13                   | 1    |
| Yes                               | AA8                 | B13_L11_N   | 53         | ↔       | 54                  | J2-C12                   | 1    |
| Yes                               | AB10                | B13_L9_P    | 55         | ↔       | 56                  | J2-C11                   | 1    |
| Yes                               | AB9                 | B13_L9_N    | 57         | ↔       | 58                  | J2-C10                   | 1    |
| No                                |                     | GND         | 59         | ↔       | 60                  | GND                      | 1    |
| Yes                               | T4                  | B13_L20_P   | 61         | ↔       | 62                  | J2-C9                    | 1    |
| Yes                               | U4                  | B13_L20_N   | 63         | ↔       | 64                  | J2-C8                    | 1    |
| Yes                               | AB7                 | B13_L17_P   | 65         | ↔       | 66                  | J2-C7                    | 1    |
| Yes                               | AB6                 | B13_L17_N   | 67         | ↔       | 68                  | J2-C6                    | 1    |
| No                                |                     | GND         | 69         | ↔       | 70                  | GND                      | 1    |
| Yes                               | AB5                 | B13_L16_P   | 71         | ↔       | 72                  | J2-C5                    | 1    |
| Yes                               | AB4                 | B13_L16_N   | 73         | ↔       | 74                  | J2-C4                    | 1    |
| Yes                               | Y4                  | B13_L18_P   | 75         | ↔       | 76                  | J2-A5                    | 1    |
| Yes                               | AA4                 | B13_L18_N   | 77         | ↔       | 78                  | J2-A4                    | 1    |
| No                                |                     | GND         | 79         | ↔       | 80                  | GND                      | 1    |
| Yes                               | AB2                 | B13_L15_P   | 81         | ↔       | 82                  | J2-C3                    | 1    |
| Yes                               | AB1                 | B13_L15_N   | 83         | ↔       | 84                  | J2-C2                    | 1    |
| Yes                               | V5                  | B13_L21_P   | 85         | ↔       | 86                  | J2-B4                    | 1    |
| Yes                               | V4                  | B13_L21_N   | 87         | ↔       | 88                  | J2-B3                    | 1    |
| Yes                               | U7                  | B13_M025    | 89         | ↔       | 90                  | R13-2                    | 1    |
| No                                |                     | 3.3VIN      | 91         | ↔       | 92                  | VCCJTAG                  | 1    |
| No                                |                     | X_TMS       | 93         | ↔       | 94                  | U5-4                     | 1    |
| No                                |                     | X_TDI       | 95         | ↔       | 96                  | U5-3                     | 1    |
| No                                |                     | X_TDO       | 97         | ↔       | 98                  | U5-2                     | 1    |
| No                                |                     | X_TCK       | 99         | ↔       | 100                 | U5-1                     | 1    |
| No                                |                     | VIN         | 2          | ↔       | 1                   | 3.3V                     | 2    |
| No                                |                     | VIN         | 4          | ↔       | 3                   | 3.3V                     | 2    |
| No                                |                     | VIN         | 6          | ↔       | 5                   | 3.3V                     | 2    |
| No                                |                     | VIN         | 8          | ↔       | 7                   | 3.3V                     | 2    |
| No                                |                     | 3.3V        | 10         | ↔       | 9                   | M3.3VOUT                 | 2    |
| No                                |                     | 3.3V        | 12         | ↔       | 11                  | M3.3VOUT                 | 2    |
| Yes                               | W20                 | B33_L4_P    | 14         | ↔       | 13                  | J2-B22                   | 2    |
| Yes                               | W21                 | B33_L4_N    | 16         | ↔       | 15                  | J2-B21                   | 2    |
| No                                |                     | RESIN       | 18         | ↔       | 17                  | U5-119                   | 2    |
| No                                |                     | GND         | 20         | ↔       | 19                  | GND                      | 2    |
| Yes                               | W17                 | B33_L13_P   | 22         | ↔       | 21                  | J2-A21                   | 2    |
| Yes                               | W18                 | B33_L13_N   | 24         | ↔       | 23                  | J2-A20                   | 2    |
| Yes                               | W16                 | B33_L14_P   | 26         | ↔       | 25                  | J2-B20                   | 2    |
| Yes                               | Y16                 | B33_L14_N   | 28         | ↔       | 27                  | J2-B19                   | 2    |
| No                                |                     | GND         | 30         | ↔       | 29                  | GND                      | 2    |
| Yes                               | U12                 | B13_L5_P    | 32         | ↔       | 31                  | J2-A19                   | 2    |
| Yes                               | U11                 | B13_L5_N    | 34         | ↔       | 33                  | J2-A18                   | 2    |
| Yes                               | U10                 | B13_L6_P    | 36         | ↔       | 35                  | J2-B18                   | 2    |
| Yes                               | U9                  | B13_L6_N    | 38         | ↔       | 37                  | J2-B17                   | 2    |
| No                                |                     | GND         | 40         | ↔       | 39                  | GND                      | 2    |
| Yes                               | V10                 | B13_L1_P    | 42         | ↔       | 41                  | J2-A17                   | 2    |
| Yes                               | V9                  | B13_L1_N    | 44         | ↔       | 43                  | J2-A16                   | 2    |
| Yes                               | Y9                  | B13_L12_P   | 46         | ↔       | 45                  | J2-B16                   | 2    |
| Yes                               | Y8                  | B13_L12_N   | 48         | ↔       | 47                  | J2-B15                   | 2    |
| No                                |                     | GND         | 50         | ↔       | 49                  | GND                      | 2    |
| Yes                               | AA7                 | B13_L14_P   | 52         | ↔       | 51                  | J2-A15                   | 2    |
| Yes                               | AA6                 | B13_L14_N   | 54         | ↔       | 53                  | J2-A14                   | 2    |
| Yes                               | Y6                  | B13_L13_P   | 56         | ↔       | 55                  | J2-B14                   | 2    |
| Yes                               | Y5                  | B13_L13_N   | 58         | ↔       | 57                  | J2-B13                   | 2    |
| No                                |                     | GND         | 60         | ↔       | 59                  | GND                      | 2    |
| Yes                               | V12                 | B13_L4_P    | 62         | ↔       | 61                  | J2-A13                   | 2    |
| Yes                               | W12                 | B13_L4_N    | 64         | ↔       | 63                  | J2-A12                   | 2    |
| Yes                               | W11                 | B13_L3_P    | 66         | ↔       | 65                  | J2-B12                   | 2    |
| Yes                               | W10                 | B13_L3_N    | 68         | ↔       | 67                  | J2-B11                   | 2    |
| No                                |                     | GND         | 70         | ↔       | 69                  | GND                      | 2    |
| Yes                               | Y11                 | B13_L10_P   | 72         | ↔       | 71                  | J2-A11                   | 2    |

| Board-Module connecting plug pair |                    |             |            |         |                    |                  |      |
|-----------------------------------|--------------------|-------------|------------|---------|--------------------|------------------|------|
|                                   | Module: TE0720     |             |            | Mapping | Base Board: TE0703 |                  |      |
|                                   | Connector: JM3     |             |            |         | Connector: JB3     |                  |      |
|                                   | Connector Pins: 60 |             |            |         | Connector Pins: 60 |                  |      |
| XDC-Export                        | FPGA Pin           | Schem. Name | PIN Number |         | Pin Number2        | Comp. Pin / Name | Side |
| No                                |                    | SOUT_N      | 1          | ↔       | 2                  | NC               | 1    |
| No                                |                    | SOUT_P      | 3          | ↔       | 4                  | NC               | 1    |
| No                                |                    | GND         | 5          | ↔       | 6                  | GND              | 1    |
| Yes                               | J18                | B34_L7_P    | 7          | ↔       | 8                  | J1-B22           | 1    |
| Yes                               | K18                | B34_L7_N    | 9          | ↔       | 10                 | J1-B21           | 1    |
| No                                |                    | GND         | 11         | ↔       | 12                 | GND              | 1    |
| Yes                               | J16                | B34_L2_P    | 13         | ↔       | 14                 | J1-C21           | 1    |
| Yes                               | J17                | B34_L2_N    | 15         | ↔       | 16                 | J1-C20           | 1    |
| No                                |                    | GND         | 17         | ↔       | 18                 | GND              | 1    |
| Yes                               | L17                | B34_L4_P    | 19         | ↔       | 20                 | J1-B20           | 1    |
| Yes                               | M17                | B34_L4_N    | 21         | ↔       | 22                 | J1-B19           | 1    |
| No                                |                    | GND         | 23         | ↔       | 24                 | GND              | 1    |
| Yes                               | N17                | B34_L5_P    | 25         | ↔       | 26                 | J1-A23           | 1    |
| Yes                               | N18                | B34_L5_N    | 27         | ↔       | 28                 | J1-A22           | 1    |
| No                                |                    | GND         | 29         | ↔       | 30                 | GND              | 1    |
| Yes                               | L18                | B34_L12_P   | 31         | ↔       | 32                 | J1-A21           | 1    |
| Yes                               | L19                | B34_L12_N   | 33         | ↔       | 34                 | J1-A20           | 1    |
| No                                |                    | GND         | 35         | ↔       | 36                 | GND              | 1    |
| Yes                               | J21                | B34_L8_P    | 37         | ↔       | 38                 | J1-C19           | 1    |
| Yes                               | J22                | B34_L8_N    | 39         | ↔       | 40                 | J1-C18           | 1    |
| Yes                               | J20                | B34_L9_P    | 41         | ↔       | 42                 | J1-C24           | 1    |
| Yes                               | K21                | B34_L9_N    | 43         | ↔       | 44                 | J1-C25           | 1    |
| No                                |                    | GND         | 45         | ↔       | 46                 | GND              | 1    |
| No                                |                    | OTG-D_P     | 47         | ↔       | 48                 | OTG-D_P          | 1    |
| No                                |                    | OTG-D_N     | 49         | ↔       | 50                 | OTG-D_N          | 1    |
| No                                |                    | OTG-ID      | 51         | ↔       | 52                 | J12-4            | 1    |
| No                                |                    | VBUS_V_EN   | 53         | ↔       | 54                 | U1-4             | 1    |
| No                                |                    | USB-VBUS    | 55         | ↔       | 56                 | R5-1             | 1    |
| Yes                               | R19                | B34_L22_P   | 57         | ↔       | 58                 | J1-C22           | 1    |
| Yes                               | T19                | B34_L22_N   | 59         | ↔       | 60                 | J1-C23           | 1    |
| No                                |                    | SIN_N       | 2          | ↔       | 1                  | NC               | 2    |
| No                                |                    | SIN_P       | 4          | ↔       | 3                  | NC               | 2    |
| No                                |                    | GND         | 6          | ↔       | 5                  | GND              | 2    |
| Yes                               | J15                | B34_L1_P    | 8          | ↔       | 7                  | J1-B23           | 2    |
| Yes                               | K15                | B34_L1_N    | 10         | ↔       | 9                  | J1-B24           | 2    |
| No                                |                    | GND         | 12         | ↔       | 11                 | GND              | 2    |
| Yes                               | P20                | B34_L18_P   | 14         | ↔       | 13                 | J1-A24           | 2    |
| Yes                               | P21                | B34_L18_N   | 16         | ↔       | 15                 | J1-A25           | 2    |
| No                                |                    | GND         | 18         | ↔       | 17                 | GND              | 2    |
| Yes                               | P17                | B34_L20_P   | 20         | ↔       | 19                 | J1-B25           | 2    |
| Yes                               | P18                | B34_L20_N   | 22         | ↔       | 21                 | J1-B26           | 2    |
| No                                |                    | GND         | 24         | ↔       | 23                 | GND              | 2    |
| Yes                               | L21                | B34_L10_P   | 26         | ↔       | 25                 | J1-A26           | 2    |
| Yes                               | L22                | B34_L10_N   | 28         | ↔       | 27                 | J1-A27           | 2    |
| No                                |                    | GND         | 30         | ↔       | 29                 | GND              | 2    |
| Yes                               | M19                | B34_L13_P   | 32         | ↔       | 31                 | J1-B27           | 2    |
| Yes                               | M20                | B34_L13_N   | 34         | ↔       | 33                 | J1-B28           | 2    |
| No                                |                    | GND         | 36         | ↔       | 35                 | GND              | 2    |
| Yes                               | T16                | B34_L21_P   | 38         | ↔       | 37                 | J1-A28           | 2    |
| Yes                               | T17                | B34_L21_N   | 40         | ↔       | 39                 | J1-A29           | 2    |
| Yes                               | M21                | B34_L15_P   | 42         | ↔       | 41                 | J1-B29           | 2    |
| Yes                               | M22                | B34_L15_N   | 44         | ↔       | 43                 | J1-B30           | 2    |
| No                                |                    | GND         | 46         | ↔       | 45                 | GND              | 2    |
| Yes                               | R20                | B34_L17_P   | 48         | ↔       | 47                 | J1-A30           | 2    |
| Yes                               | R21                | B34_L17_N   | 50         | ↔       | 49                 | J1-A31           | 2    |
| Yes                               | R18                | B34_L23_P   | 52         | ↔       | 51                 | J1-C26           | 2    |
| Yes                               | T18                | B34_L23_N   | 54         | ↔       | 53                 | J1-C27           | 2    |
| Yes                               | M16 / P15          | B34_VREF    | 56         | ↔       | 55                 | GND              | 2    |
| Yes                               | N19                | B34_L14_P   | 58         | ↔       | 57                 | J1-C28           | 2    |
| Yes                               | N20                | B34_L14_N   | 60         | ↔       | 59                 | J1-C29           | 2    |

|     |     |           |     |   |    |        |   |
|-----|-----|-----------|-----|---|----|--------|---|
| No  |     | GND       | 74  | ↔ | 73 | GND    | 2 |
| Yes | E18 | B35_L5_N  | 76  | ↔ | 75 | J1-B6  | 2 |
| Yes | F18 | B35_L5_P  | 78  | ↔ | 77 | J1-B5  | 2 |
| Yes | D15 | B35_L3_N  | 80  | ↔ | 79 | J1-C5  | 2 |
| Yes | E15 | B35_L3_P  | 82  | ↔ | 81 | J1-C4  | 2 |
| No  |     | GND       | 84  | ↔ | 83 | GND    | 2 |
| Yes | F17 | B35_L6_N  | 86  | ↔ | 85 | J1-B4  | 2 |
| Yes | G17 | B35_L6_P  | 88  | ↔ | 87 | J1-B3  | 2 |
| No  |     | GND       | 90  | ↔ | 89 | GND    | 2 |
| No  |     | MIO14     | 92  | ↔ | 91 | U5-105 | 2 |
| Yes | E16 | B35_L1_N  | 94  | ↔ | 93 | J1-C3  | 2 |
| Yes | F16 | B35_L1_P  | 96  | ↔ | 95 | J1-C2  | 2 |
| Yes | H20 | B35_L19_N | 98  | ↔ | 97 | J1-A5  | 2 |
| Yes | H19 | B35_L19_P | 100 | ↔ | 99 | J1-A4  | 2 |

|     |     |           |     |   |    |        |   |
|-----|-----|-----------|-----|---|----|--------|---|
| Yes | Y10 | B13_L10_N | 74  | ↔ | 73 | J2-A10 | 2 |
| Yes | V8  | B13_L2_P  | 76  | ↔ | 75 | J2-B10 | 2 |
| Yes | W8  | B13_L2_N  | 78  | ↔ | 77 | J2-B9  | 2 |
| No  |     | GND       | 80  | ↔ | 79 | GND    | 2 |
| Yes | V7  | B13_L23_P | 82  | ↔ | 81 | J2-A9  | 2 |
| Yes | W7  | B13_L23_N | 84  | ↔ | 83 | J2-A8  | 2 |
| Yes | W6  | B13_L24_P | 86  | ↔ | 85 | J2-B8  | 2 |
| Yes | W5  | B13_L24_N | 88  | ↔ | 87 | J2-B7  | 2 |
| No  |     | GND       | 90  | ↔ | 89 | GND    | 2 |
| Yes | R6  | B13_L19_P | 92  | ↔ | 91 | J2-A7  | 2 |
| Yes | T6  | B13_L19_N | 94  | ↔ | 93 | J2-A6  | 2 |
| Yes | U6  | B13_L22_P | 96  | ↔ | 95 | J2-B6  | 2 |
| Yes | U5  | B13_L22_N | 98  | ↔ | 97 | J2-B5  | 2 |
| Yes | R7  | B13_IO0   | 100 | ↔ | 99 | R8-2   | 2 |