

| TYPE | BANK | HF35 Package |
|---------------------|------|--------------|
| Transceiver I/O | 1C | 28 |
| Transceiver I/O | 1D | 28 |
| Transceiver I/O | 1E | 28 |
| Transceiver I/O | 1F | 28 |
| LVDS I/O | 2K | 48 |
| LVDS I/O | 2L | 48 |
| LVDS I/O | 2M | 48 |
| LVDS I/O | 2N | 48 |
| LVDS I/O | 3A | 48 |
| LVDS I/O | 3B | 48 |
| LVDS I/O | 3C | 48 |
| LVDS I/O | 3D | 48 |
| 3V I/O | 6A | 8 |
| SDM shared LVDS I/O | SDM | 29 |

- i. Total LVDS channels per bank supporting SERDES Non-DPA and DPA mode is equivalent to (LVDS I/O per bank)/2, inclusive of clock pair. Please refer to Dedicated Tx/Rx Channel column in the pin-out table for the channel availability.
- ii. Total LVDS channels supporting SERDES Soft-CDR mode is 12 pairs per bank. Please refer to Soft CDR column in the pin out table for the channel availability.

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|------|--------------------------------|----------------------|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| 1F | | | REFCLK_GXB11F_CHTp | | | | | | | | | | |
| 1F | | | REFCLK_GXB11F_CHTn | | | | | | | | | | |
| 1F | | | GXB11F_TX_CH5n | | | | | | | | | | |
| 1F | | | GXB11F_TX_CH5p | | | | | | | | | | |
| 1F | | | GXB11F_RX_CH5n,GXB11F_REFCLK5n | | | | | | | | | | |
| 1F | | | GXB11F_RX_CH5p,GXB11F_REFCLK5p | | | | | | | | | | |
| 1F | | | GXB11F_TX_CH4n | | | | | Yes | | | | | |
| 1F | | | GXB11F_TX_CH4p | | | | | Yes | | | | | |
| 1F | | | GXB11F_RX_CH4n,GXB11F_REFCLK4n | | | | | Yes | | | | | |
| 1F | | | GXB11F_RX_CH4p,GXB11F_REFCLK4p | | | | | Yes | | | | | |
| 1F | | | GXB11F_TX_CH3n | | | | | Yes | | | | | |
| 1F | | | GXB11F_TX_CH3p | | | | | Yes | | | | | |
| 1F | | | GXB11F_RX_CH3n,GXB11F_REFCLK3n | | | | | Yes | | | | | |
| 1F | | | GXB11F_RX_CH3p,GXB11F_REFCLK3p | | | | | Yes | | | | | |
| 1F | | | GXB11F_TX_CH2n | | | | | | | | | | |
| 1F | | | GXB11F_TX_CH2p | | | | | | | | | | |
| 1F | | | GXB11F_RX_CH2n,GXB11F_REFCLK2n | | | | | | | | | | |
| 1F | | | GXB11F_RX_CH2p,GXB11F_REFCLK2p | | | | | | | | | | |
| 1F | | | GXB11F_TX_CH1n | | | | | Yes | | | | | |
| 1F | | | GXB11F_TX_CH1p | | | | | Yes | | | | | |
| 1F | | | GXB11F_RX_CH1n,GXB11F_REFCLK1n | | | | | Yes | | | | | |
| 1F | | | GXB11F_RX_CH1p,GXB11F_REFCLK1p | | | | | Yes | | | | | |
| 1F | | | GXB11F_TX_CH0n | | | | | Yes | | | | | |
| 1F | | | GXB11F_TX_CH0p | | | | | Yes | | | | | |
| 1F | | | GXB11F_RX_CH0n,GXB11F_REFCLK0n | | | | | Yes | | | | | |
| 1F | | | GXB11F_RX_CH0p,GXB11F_REFCLK0p | | | | | Yes | | | | | |
| 1F | | | REFCLK_GXB11F_CHBp | | | | | | | | | | |
| 1F | | | REFCLK_GXB11F_CHBn | | | | | | | | | | |
| 1E | | | REFCLK_GXB11E_CHTp | | | | | | | | | | |
| 1E | | | REFCLK_GXB11E_CHTn | | | | | | | | | | |
| 1E | | | GXB11E_TX_CH5n | | | | | | | | | | |
| 1E | | | GXB11E_TX_CH5p | | | | | | | | | | |
| 1E | | | GXB11E_RX_CH5n,GXB11E_REFCLK5n | | | | | | | | | | |
| 1E | | | GXB11E_RX_CH5p,GXB11E_REFCLK5p | | | | | | | | | | |
| 1E | | | GXB11E_TX_CH4n | | | | | Yes | | | | | |
| 1E | | | GXB11E_TX_CH4p | | | | | Yes | | | | | |
| 1E | | | GXB11E_RX_CH4n,GXB11E_REFCLK4n | | | | | Yes | | | | | |
| 1E | | | GXB11E_RX_CH4p,GXB11E_REFCLK4p | | | | | Yes | | | | | |
| 1E | | | GXB11E_TX_CH3n | | | | | Yes | | | | | |
| 1E | | | GXB11E_TX_CH3p | | | | | Yes | | | | | |
| 1E | | | GXB11E_RX_CH3n,GXB11E_REFCLK3n | | | | | Yes | | | | | |
| 1E | | | GXB11E_RX_CH3p,GXB11E_REFCLK3p | | | | | Yes | | | | | |
| 1E | | | GXB11E_TX_CH2n | | | | | | | | | | |
| 1E | | | GXB11E_TX_CH2p | | | | | | | | | | |
| 1E | | | GXB11E_RX_CH2n,GXB11E_REFCLK2n | | | | | | | | | | |
| 1E | | | GXB11E_RX_CH2p,GXB11E_REFCLK2p | | | | | | | | | | |
| 1E | | | GXB11E_TX_CH1n | | | | | Yes | | | | | |
| 1E | | | GXB11E_TX_CH1p | | | | | Yes | | | | | |
| 1E | | | GXB11E_RX_CH1n,GXB11E_REFCLK1n | | | | | Yes | | | | | |
| 1E | | | GXB11E_RX_CH1p,GXB11E_REFCLK1p | | | | | Yes | | | | | |
| 1E | | | GXB11E_TX_CH0n | | | | | Yes | | | | | |
| 1E | | | GXB11E_TX_CH0p | | | | | Yes | | | | | |
| 1E | | | GXB11E_RX_CH0n,GXB11E_REFCLK0n | | | | | Yes | | | | | |
| 1E | | | GXB11E_RX_CH0p,GXB11E_REFCLK0p | | | | | Yes | | | | | |
| 1E | | | REFCLK_GXB11E_CHBp | | | | | | | | | | |
| 1E | | | REFCLK_GXB11E_CHBn | | | | | | | | | | |
| 1D | | | REFCLK_GXB11D_CHTp | | | | | | | | | | |
| 1D | | | REFCLK_GXB11D_CHTn | | | | | | | | | | |
| 1D | | | GXB11D_TX_CH5n | | | | | | | | | | |
| 1D | | | GXB11D_TX_CH5p | | | | | | | | | | |
| 1D | | | GXB11D_RX_CH5n,GXB11D_REFCLK5n | | | | | | | | | | |
| 1D | | | GXB11D_RX_CH5p,GXB11D_REFCLK5p | | | | | | | | | | |
| 1D | | | GXB11D_TX_CH4n | | | | | | | | | | |
| 1D | | | GXB11D_TX_CH4p | | | | | Yes | | | | | |
| 1D | | | GXB11D_RX_CH4n,GXB11D_REFCLK4n | | | | | Yes | | | | | |
| 1D | | | GXB11D_RX_CH4p,GXB11D_REFCLK4p | | | | | Yes | | | | | |
| 1D | | | GXB11D_TX_CH3n | | | | | Yes | | | | | |
| 1D | | | GXB11D_TX_CH3p | | | | | Yes | | | | | |
| 1D | | | GXB11D_RX_CH3n,GXB11D_REFCLK3n | | | | | Yes | | | | | |
| 1D | | | GXB11D_RX_CH3p,GXB11D_REFCLK3p | | | | | Yes | | | | | |
| 1D | | | GXB11D_TX_CH2n | | | | | | | | | | |
| 1D | | | GXB11D_TX_CH2p | | | | | | | | | | |
| 1D | | | GXB11D_RX_CH2n,GXB11D_REFCLK2n | | | | | | | | | | |
| 1D | | | GXB11D_RX_CH2p,GXB11D_REFCLK2p | | | | | | | | | | |
| 1D | | | GXB11D_TX_CH1n | | | | | Yes | | | | | |
| 1D | | | GXB11D_TX_CH1p | | | | | Yes | | | | | |
| 1D | | | GXB11D_RX_CH1n,GXB11D_REFCLK1n | | | | | Yes | | | | | |
| 1D | | | GXB11D_RX_CH1p,GXB11D_REFCLK1p | | | | | Yes | | | | | |
| 1D | | | GXB11D_TX_CH0n | | | | | Yes | | | | | |
| 1D | | | GXB11D_TX_CH0p | | | | | Yes | | | | | |
| 1D | | | GXB11D_RX_CH0n,GXB11D_REFCLK0n | | | | | Yes | | | | | |
| 1D | | | GXB11D_RX_CH0p,GXB11D_REFCLK0p | | | | | Yes | | | | | |
| 1D | | | REFCLK_GXB11D_CHBp | | | | | | | | | | |
| 1D | | | REFCLK_GXB11D_CHBn | | | | | | | | | | |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|-----------|--------------------------------|---|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| 1C | | | REFCLK_GXBLLC_CHTp | | | | | | AC28 | | | | |
| 1C | | | REFCLK_GXBLLC_CHTn | | | | | | AC27 | | | | |
| 1C | | | GXBLLC_TX_CH5n | | | | | | AH33 | | | | |
| 1C | | | GXBLLC_TX_CH5p | | | | | | AH34 | | | | |
| 1C | | | GXBLLC_RX_CH5n,GXBLLC_REFCLK5n | | | | | | AD29 | | | | |
| 1C | | | GXBLLC_RX_CH5p,GXBLLC_REFCLK5p | | | | | | AD30 | | | | |
| 1C | | | GXBLLC_TX_CH4n | | | | | Yes | AJ31 | | | | |
| 1C | | | GXBLLC_TX_CH4p | | | | | Yes | AJ32 | | | | |
| 1C | | | GXBLLC_RX_CH4n,GXBLLC_REFCLK4n | | | | | Yes | AE31 | | | | |
| 1C | | | GXBLLC_RX_CH4p,GXBLLC_REFCLK4p | | | | | Yes | AE32 | | | | |
| 1C | | | GXBLLC_TX_CH3n | | | | | Yes | AK33 | | | | |
| 1C | | | GXBLLC_TX_CH3p | | | | | Yes | AK34 | | | | |
| 1C | | | GXBLLC_RX_CH3n,GXBLLC_REFCLK3n | | | | | Yes | AF29 | | | | |
| 1C | | | GXBLLC_RX_CH3p,GXBLLC_REFCLK3p | | | | | Yes | AF30 | | | | |
| 1C | | | GXBLLC_TX_CH2n | | | | | | AL31 | | | | |
| 1C | | | GXBLLC_TX_CH2p | | | | | | AL32 | | | | |
| 1C | | | GXBLLC_RX_CH2n,GXBLLC_REFCLK2n | | | | | | AH29 | | | | |
| 1C | | | GXBLLC_RX_CH2p,GXBLLC_REFCLK2p | | | | | | AH30 | | | | |
| 1C | | | GXBLLC_TX_CH1n | | | | | Yes | AM33 | | | | |
| 1C | | | GXBLLC_TX_CH1p | | | | | Yes | AM34 | | | | |
| 1C | | | GXBLLC_RX_CH1n,GXBLLC_REFCLK1n | | | | | Yes | AK29 | | | | |
| 1C | | | GXBLLC_RX_CH1p,GXBLLC_REFCLK1p | | | | | Yes | AK30 | | | | |
| 1C | | | GXBLLC_TX_CH0n | | | | | Yes | AN31 | | | | |
| 1C | | | GXBLLC_TX_CH0p | | | | | Yes | AN32 | | | | |
| 1C | | | GXBLLC_RX_CH0n,GXBLLC_REFCLK0n | | | | | Yes | AM29 | | | | |
| 1C | | | GXBLLC_RX_CH0p,GXBLLC_REFCLK0p | | | | | Yes | AM30 | | | | |
| 1C | | | REFCLK_GXBLLC_CHBp | | | | | | AE28 | | | | |
| 1C | | | REFCLK_GXBLLC_CHBn | | | | | | AE27 | | | | |
| 6A | | | I03V0_10 | | nPERSTLO | | | | AP26 | | | | |
| 6A | | | I03V1_10 | | | | | | AN26 | | | | |
| 6A | | | I03V2_10 | | | | | | AM26 | | | | |
| 6A | | | I03V3_10 | | | | | | AM27 | | | | |
| 6A | | | I03V4_10 | | | | | | AK27 | | | | |
| 6A | | | I03V5_10 | | | | | | AK27 | | | | |
| 6A | | | I03V6_10 | | | | | | AK26 | | | | |
| 6A | | | I03V7_10 | | | | | | AI26 | | | | |
| 2N | 47 | VREFB2NNO | IO | | | LVDS2N_1n | No | | A9 | DQ0 | DQ0 | DQ0 | DQ0 |
| 2N | 46 | VREFB2NNO | IO | | | LVDS2N_1p | No | | A10 | DQ0 | DQ0 | DQ0 | DQ0 |
| 2N | 45 | VREFB2NNO | IO | | | LVDS2N_2n | Yes | | B15 | DQS0 | DQ0 | DQ0 | DQ0 |
| 2N | 44 | VREFB2NNO | IO | | | LVDS2N_2p | Yes | | C15 | DQS0 | DQ0 | DQ0 | DQ0 |
| 2N | 43 | VREFB2NNO | IO | | | LVDS2N_3n | No | | A8 | DQ0 | DQ0 | DQ0 | DQ0 |
| 2N | 42 | VREFB2NNO | IO | | | LVDS2N_3p | No | | B8 | DQ0 | DQ0 | DQ0 | DQ0 |
| 2N | 41 | VREFB2NNO | IO | | | LVDS2N_4n | Yes | | A13 | DQS1 | DQS0/CQ0 | DQ0 | DQ0 |
| 2N | 40 | VREFB2NNO | IO | | | LVDS2N_4p | Yes | | B13 | DQS1 | DQS0/CQ0 | DQ0 | DQ0 |
| 2N | 39 | VREFB2NNO | IO | | | LVDS2N_5n | No | | J14 | DQ1 | DQ0 | DQ0 | DQ0 |
| 2N | 38 | VREFB2NNO | IO | | | LVDS2N_5p | No | | H14 | DQ1 | DQ0 | DQ0 | DQ0 |
| 2N | 37 | VREFB2NNO | IO | | | LVDS2N_6n | Yes | | B12 | DQ1 | DQ0 | DQ0 | DQ0 |
| 2N | 36 | VREFB2NNO | IO | | | LVDS2N_6p | Yes | | A12 | DQ1 | DQ0 | DQ0 | DQ0 |
| 2N | 35 | VREFB2NNO | IO | | | LVDS2N_7n | No | | K15 | DQ2 | DQ1 | DQ0 | DQ0 |
| 2N | 34 | VREFB2NNO | IO | | | LVDS2N_7p | No | | L15 | DQ2 | DQ1 | DQ0 | DQ0 |
| 2N | 33 | VREFB2NNO | IO | | | LVDS2N_8n | Yes | | C14 | DQS2 | DQ1 | DQS0/CQ0 | DQ0 |
| 2N | 32 | VREFB2NNO | IO | | | LVDS2N_8p | Yes | | D14 | DQS2 | DQ1 | DQS0/CQ0 | DQ0 |
| 2N | 31 | VREFB2NNO | IO | | | LVDS2N_9n | No | | H13 | DQ2 | DQ1 | DQ0 | DQ0 |
| 2N | 30 | VREFB2NNO | IO | | | LVDS2N_9p | No | | J13 | DQ2 | DQ1 | DQ0 | DQ0 |
| 2N | 29 | VREFB2NNO | IO | PLL_2N_CLKOUT1n | | LVDS2N_10n | Yes | | E15 | DQS3 | DQS1/CQ1 | DQ0 | DQ0 |
| 2N | 28 | VREFB2NNO | IO | PLL_2N_CLKOUT1p,PLL_2N_CLKOUT1,PLL_2N_FB1 | | LVDS2N_10p | Yes | | F15 | DQS3 | DQS1/CQ1 | DQ0 | DQ0 |
| 2N | 27 | VREFB2NNO | IO | | | LVDS2N_11n | No | | F12 | DQ3 | DQ1 | DQ0 | DQ0 |
| 2N | 26 | VREFB2NNO | IO | RZQ_2N | | LVDS2N_11p | No | | G12 | DQ3 | DQ1 | DQ0 | DQ0 |
| 2N | 25 | VREFB2NNO | IO | CLK_2N_1n | | LVDS2N_12n | Yes | | E14 | DQ3 | DQ1 | DQ0 | DQ0 |
| 2N | 24 | VREFB2NNO | IO | CLK_2N_1p | | LVDS2N_12p | Yes | | F14 | DQ3 | DQ1 | DQ0 | DQ0 |
| 2N | 23 | VREFB2NNO | IO | CLK_2N_0n | | LVDS2N_13n | No | | C10 | DQ4 | DQ2 | DQ1 | DQ0 |
| 2N | 22 | VREFB2NNO | IO | CLK_2N_0p | | LVDS2N_13p | No | | B10 | DQ4 | DQ2 | DQ1 | DQ0 |
| 2N | 21 | VREFB2NNO | IO | | | LVDS2N_14n | Yes | | H15 | DQS4 | DQ2 | DQ1 | DQS0/CQ0 |
| 2N | 20 | VREFB2NNO | IO | | | LVDS2N_14p | Yes | | G15 | DQS4 | DQ2 | DQ1 | DQS0/CQ0 |
| 2N | 19 | VREFB2NNO | IO | PLL_2N_CLKOUT0n | | LVDS2N_15n | No | | D9 | DQ4 | DQ2 | DQ1 | DQ0 |
| 2N | 18 | VREFB2NNO | IO | PLL_2N_CLKOUT0p,PLL_2N_CLKOUT0,PLL_2N_FB0 | | LVDS2N_15p | No | | C9 | DQ4 | DQ2 | DQ1 | DQ0 |
| 2N | 17 | VREFB2NNO | IO | | | LVDS2N_16n | Yes | | D13 | DQS5 | DQS2/CQ2 | DQ1 | DQ0 |
| 2N | 16 | VREFB2NNO | IO | | | LVDS2N_16p | Yes | | C13 | DQS5 | DQS2/CQ2 | DQ1 | DQ0 |
| 2N | 15 | VREFB2NNO | IO | | | LVDS2N_17n | No | | H12 | DQ5 | DQ2 | DQ1 | DQ0 |
| 2N | 14 | VREFB2NNO | IO | | | LVDS2N_17p | No | | J12 | DQ5 | DQ2 | DQ1 | DQ0 |
| 2N | 13 | VREFB2NNO | IO | | | LVDS2N_18n | Yes | | C11 | DQ5 | DQ2 | DQ1 | DQ0 |
| 2N | 12 | VREFB2NNO | IO | | | LVDS2N_18p | Yes | | B11 | DQ5 | DQ2 | DQ1 | DQ0 |
| 2N | 11 | VREFB2NNO | IO | | | LVDS2N_19n | No | | E10 | DQ6 | DQ3 | DQ1 | DQ0 |
| 2N | 10 | VREFB2NNO | IO | | | LVDS2N_19p | No | | F10 | DQ6 | DQ3 | DQ1 | DQ0 |
| 2N | 9 | VREFB2NNO | IO | | | LVDS2N_20n | Yes | | F13 | DQS6 | DQ3 | DQS1/CQ1 | DQ0 |
| 2N | 8 | VREFB2NNO | IO | | | LVDS2N_20p | Yes | | G13 | DQS6 | DQ3 | DQS1/CQ1 | DQ0 |
| 2N | 7 | VREFB2NNO | IO | | | LVDS2N_21n | No | | H11 | DQ6 | DQ3 | DQ1 | DQ0 |
| 2N | 6 | VREFB2NNO | IO | | | LVDS2N_21p | No | | G11 | DQ6 | DQ3 | DQ1 | DQ0 |
| 2N | 5 | VREFB2NNO | IO | | | LVDS2N_22n | Yes | | D12 | DQS7 | DQS3/CQ3 | DQ1 | DQ0 |
| 2N | 4 | VREFB2NNO | IO | | | LVDS2N_22p | Yes | | E12 | DQS7 | DQS3/CQ3 | DQ1 | DQ0 |
| 2N | 3 | VREFB2NNO | IO | | | LVDS2N_23n | No | | H10 | DQ7 | DQ3 | DQ1 | DQ0 |
| 2N | 2 | VREFB2NNO | IO | | | LVDS2N_23p | No | | G10 | DQ7 | DQ3 | DQ1 | DQ0 |
| 2N | 1 | VREFB2NNO | IO | | | LVDS2N_24n | Yes | | D11 | DQ7 | DQ3 | DQ1 | DQ0 |
| 2N | 0 | VREFB2NNO | IO | | | LVDS2N_24p | Yes | | E11 | DQ7 | DQ3 | DQ1 | DQ0 |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|-----------|-------------------|----------------------|---|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| 2M | 47 | VREFB2MNO | IO | | | LVDS2M_1n | No | | C18 | DQ8 | DQ4 | DQ2 | DQ1 |
| 2M | 46 | VREFB2MNO | IO | | | LVDS2M_1p | No | | D18 | DQ8 | DQ4 | DQ2 | DQ1 |
| 2M | 45 | VREFB2MNO | IO | | | LVDS2M_2n | Yes | | K16 | DQS8 | DQ4 | DQ2 | DQ1 |
| 2M | 44 | VREFB2MNO | IO | | | LVDS2M_2p | Yes | | J16 | DQ8 | DQ4 | DQ2 | DQ1 |
| 2M | 43 | VREFB2MNO | IO | | | LVDS2M_3n | No | | G17 | DQ8 | DQ4 | DQ2 | DQ1 |
| 2M | 42 | VREFB2MNO | IO | | | LVDS2M_3p | No | | F18 | DQ8 | DQ4 | DQ2 | DQ1 |
| 2M | 41 | VREFB2MNO | IO | | | LVDS2M_4n | Yes | | K17 | DQS9 | DQS4/CQ4 | DQ2 | DQ1 |
| 2M | 40 | VREFB2MNO | IO | | | LVDS2M_4p | Yes | | J17 | DQS9 | DQS4/CQ4 | DQ2 | DQ1 |
| 2M | 39 | VREFB2MNO | IO | | | LVDS2M_5n | No | | B20 | DQ9 | DQ4 | DQ2 | DQ1 |
| 2M | 38 | VREFB2MNO | IO | | | LVDS2M_5p | No | | A20 | DQ9 | DQ4 | DQ2 | DQ1 |
| 2M | 37 | VREFB2MNO | IO | | | LVDS2M_6n | Yes | | G16 | DQ9 | DQ4 | DQ2 | DQ1 |
| 2M | 36 | VREFB2MNO | IO | | | LVDS2M_6p | Yes | | H16 | DQ9 | DQ4 | DQ2 | DQ1 |
| 2M | 35 | VREFB2MNO | IO | | | LVDS2M_7n | No | | C19 | DQ10 | DQ5 | DQ2 | DQ1 |
| 2M | 34 | VREFB2MNO | IO | | | LVDS2M_7p | No | | C20 | DQ10 | DQ5 | DQ2 | DQ1 |
| 2M | 33 | VREFB2MNO | IO | | | LVDS2M_8n | Yes | | A14 | DQS10 | DQ5 | DQS2/CQ2 | DQ1 |
| 2M | 32 | VREFB2MNO | IO | | | LVDS2M_8p | Yes | | A15 | DQS10 | DQ5 | DQS2/CQ2 | DQ1 |
| 2M | 31 | VREFB2MNO | IO | | | LVDS2M_9n | No | | D19 | DQ10 | DQ5 | DQ2 | DQ1 |
| 2M | 30 | VREFB2MNO | IO | | | LVDS2M_9p | No | | F19 | DQ10 | DQ5 | DQ2 | DQ1 |
| 2M | 29 | VREFB2MNO | IO | | PLL_2M_CLKOUT1n | LVDS2M_10n | Yes | | D16 | DQS11 | DQS5/CQ5 | DQ2 | DQ1 |
| 2M | 28 | VREFB2MNO | IO | | PLL_2M_CLKOUT1p,PLL_2M_CLKOUT1,PLL_2M_FB1 | LVDS2M_10p | Yes | | C16 | DQS11 | DQS5/CQ5 | DQ2 | DQ1 |
| 2M | 27 | VREFB2MNO | IO | | | LVDS2M_11n | No | | G18 | DQ11 | DQ5 | DQ2 | DQ1 |
| 2M | 26 | VREFB2MNO | IO | | RZQ_2M | LVDS2M_11p | No | | F19 | DQ11 | DQ5 | DQ2 | DQ1 |
| 2M | 25 | VREFB2MNO | IO | | CLK_2M_1n | LVDS2M_12n | Yes | | J18 | DQ11 | DQ5 | DQ2 | DQ1 |
| 2M | 24 | VREFB2MNO | IO | | CLK_2M_1p | LVDS2M_12p | Yes | | H18 | DQ11 | DQ5 | DQ2 | DQ1 |
| 2M | 23 | VREFB2MNO | IO | | CLK_2M_0n | LVDS2M_13n | No | | H19 | DQ12 | DQ6 | DQ3 | DQ1 |
| 2M | 22 | VREFB2MNO | IO | | CLK_2M_0p | LVDS2M_13p | No | | J19 | DQ12 | DQ6 | DQ3 | DQ1 |
| 2M | 21 | VREFB2MNO | IO | | | LVDS2M_14n | Yes | | E16 | DQS12 | DQ6 | DQ3 | DQS1/CQ1 |
| 2M | 20 | VREFB2MNO | IO | | | LVDS2M_14p | Yes | | F17 | DQS12 | DQ6 | DQ3 | DQS1/CQ1 |
| 2M | 19 | VREFB2MNO | IO | | PLL_2M_CLKOUT0n | LVDS2M_15n | No | | A22 | DQ12 | DQ6 | DQ3 | DQ1 |
| 2M | 18 | VREFB2MNO | IO | | PLL_2M_CLKOUT0p,PLL_2M_CLKOUT0,PLL_2M_FB0 | LVDS2M_15p | No | | B22 | DQ12 | DQ6 | DQ3 | DQ1 |
| 2M | 17 | VREFB2MNO | IO | | | LVDS2M_16n | Yes | | D17 | DQS13 | DQS6/CQ6 | DQ3 | DQ1 |
| 2M | 16 | VREFB2MNO | IO | | | LVDS2M_16p | Yes | | E17 | DQS13 | DQS6/CQ6 | DQ3 | DQ1 |
| 2M | 15 | VREFB2MNO | IO | | | LVDS2M_17n | No | | B21 | DQ13 | DQ6 | DQ3 | DQ1 |
| 2M | 14 | VREFB2MNO | IO | | | LVDS2M_17p | No | | C21 | DQ13 | DQ6 | DQ3 | DQ1 |
| 2M | 13 | VREFB2MNO | IO | | | LVDS2M_18n | Yes | | A17 | DQ13 | DQ6 | DQ3 | DQ1 |
| 2M | 12 | VREFB2MNO | IO | | | LVDS2M_18p | Yes | | B16 | DQ13 | DQ6 | DQ3 | DQ1 |
| 2M | 11 | VREFB2MNO | IO | | | LVDS2M_19n | No | | D21 | DQ14 | DQ7 | DQ3 | DQ1 |
| 2M | 10 | VREFB2MNO | IO | | | LVDS2M_19p | No | | E21 | DQ14 | DQ7 | DQ3 | DQ1 |
| 2M | 9 | VREFB2MNO | IO | | | LVDS2M_20n | Yes | | B17 | DQS14 | DQ7 | DQS3/CQ3 | DQ1 |
| 2M | 8 | VREFB2MNO | IO | | | LVDS2M_20p | Yes | | A18 | DQS14 | DQ7 | DQS3/CQ3 | DQ1 |
| 2M | 7 | VREFB2MNO | IO | | | LVDS2M_21n | No | | E20 | DQ14 | DQ7 | DQ3 | DQ1 |
| 2M | 6 | VREFB2MNO | IO | | | LVDS2M_21p | No | | F20 | DQ14 | DQ7 | DQ3 | DQ1 |
| 2M | 5 | VREFB2MNO | IO | | | LVDS2M_22n | Yes | | B18 | DQS15 | DQS7/CQ7 | DQ3 | DQ1 |
| 2M | 4 | VREFB2MNO | IO | | | LVDS2M_22p | Yes | | A19 | DQS15 | DQS7/CQ7 | DQ3 | DQ1 |
| 2M | 3 | VREFB2MNO | IO | | | LVDS2M_23n | No | | H20 | DQ15 | DQ7 | DQ3 | DQ1 |
| 2M | 2 | VREFB2MNO | IO | | | LVDS2M_23p | No | | G20 | DQ15 | DQ7 | DQ3 | DQ1 |
| 2M | 1 | VREFB2MNO | IO | | | LVDS2M_24n | Yes | | G21 | DQ15 | DQ7 | DQ3 | DQ1 |
| 2M | 0 | VREFB2MNO | IO | | | LVDS2M_24p | Yes | | H21 | DQ15 | DQ7 | DQ3 | DQ1 |
| 2L | 47 | VREFB2LNO | IO | | | LVDS2L_1n | No | | A23 | DQ16 | DQ8 | DQ4 | DQ2 |
| 2L | 46 | VREFB2LNO | IO | | | LVDS2L_1p | No | | B23 | DQ16 | DQ8 | DQ4 | DQ2 |
| 2L | 45 | VREFB2LNO | IO | | | LVDS2L_2n | Yes | | H23 | DQS16 | DQ8 | DQ4 | DQ2 |
| 2L | 44 | VREFB2LNO | IO | | | LVDS2L_2p | Yes | | H24 | DQS16 | DQ8 | DQ4 | DQ2 |
| 2L | 43 | VREFB2LNO | IO | | | LVDS2L_3n | No | | D22 | DQ16 | DQ8 | DQ4 | DQ2 |
| 2L | 42 | VREFB2LNO | IO | | | LVDS2L_3p | No | | E22 | DQ16 | DQ8 | DQ4 | DQ2 |
| 2L | 41 | VREFB2LNO | IO | | | LVDS2L_4n | Yes | | K21 | DQS17 | DQS8/CQ8 | DQ4 | DQ2 |
| 2L | 40 | VREFB2LNO | IO | | | LVDS2L_4p | Yes | | J21 | DQS17 | DQS8/CQ8 | DQ4 | DQ2 |
| 2L | 39 | VREFB2LNO | IO | | | LVDS2L_5n | No | | D23 | DQ17 | DQ8 | DQ4 | DQ2 |
| 2L | 38 | VREFB2LNO | IO | | | LVDS2L_5p | No | | C23 | DQ17 | DQ8 | DQ4 | DQ2 |
| 2L | 37 | VREFB2LNO | IO | | | LVDS2L_6n | Yes | | J23 | DQ17 | DQ8 | DQ4 | DQ2 |
| 2L | 36 | VREFB2LNO | IO | | | LVDS2L_6p | Yes | | J22 | DQ17 | DQ8 | DQ4 | DQ2 |
| 2L | 35 | VREFB2LNO | IO | | | LVDS2L_7n | No | | F22 | DQ18 | DQ9 | DQ4 | DQ2 |
| 2L | 34 | VREFB2LNO | IO | | | LVDS2L_7p | No | | G22 | DQ18 | DQ9 | DQ4 | DQ2 |
| 2L | 33 | VREFB2LNO | IO | | | LVDS2L_8n | Yes | | A27 | DQS18 | DQ9 | DQS4/CQ4 | DQ2 |
| 2L | 32 | VREFB2LNO | IO | | | LVDS2L_8p | Yes | | B27 | DQS18 | DQ9 | DQS4/CQ4 | DQ2 |
| 2L | 31 | VREFB2LNO | IO | | | LVDS2L_9n | No | | A24 | DQ18 | DQ9 | DQ4 | DQ2 |
| 2L | 30 | VREFB2LNO | IO | | | LVDS2L_9p | No | | B25 | DQ18 | DQ9 | DQ4 | DQ2 |
| 2L | 29 | VREFB2LNO | IO | | PLL_2L_CLKOUT1n | LVDS2L_10n | Yes | | L22 | DQS19 | DQS9/CQ9 | DQ4 | DQ2 |
| 2L | 28 | VREFB2LNO | IO | | PLL_2L_CLKOUT1p,PLL_2L_CLKOUT1,PLL_2L_FB1 | LVDS2L_10p | Yes | | K22 | DQS19 | DQS9/CQ9 | DQ4 | DQ2 |
| 2L | 27 | VREFB2LNO | IO | | | LVDS2L_11n | No | | D24 | DQ19 | DQ9 | DQ4 | DQ2 |
| 2L | 26 | VREFB2LNO | IO | | RZQ_2L | LVDS2L_11p | No | | E24 | DQ19 | DQ9 | DQ4 | DQ2 |
| 2L | 25 | VREFB2LNO | IO | | CLK_2L_1n | LVDS2L_12n | Yes | | J24 | DQ19 | DQ9 | DQ4 | DQ2 |
| 2L | 24 | VREFB2LNO | IO | | CLK_2L_1p | LVDS2L_12p | Yes | | K24 | DQ19 | DQ9 | DQ4 | DQ2 |
| 2L | 23 | VREFB2LNO | IO | | CLK_2L_0n | LVDS2L_13n | No | | F23 | DQ20 | DQ10 | DQ5 | DQ2 |
| 2L | 22 | VREFB2LNO | IO | | CLK_2L_0p | LVDS2L_13p | No | | G23 | DQ20 | DQ10 | DQ5 | DQ2 |
| 2L | 21 | VREFB2LNO | IO | | | LVDS2L_14n | Yes | | H26 | DQS20 | DQ10 | DQ5 | DQS2/CQ2 |
| 2L | 20 | VREFB2LNO | IO | | | LVDS2L_14p | Yes | | H25 | DQS20 | DQ10 | DQ5 | DQS2/CQ2 |
| 2L | 19 | VREFB2LNO | IO | | PLL_2L_CLKOUT0n | LVDS2L_15n | No | | C24 | DQ20 | DQ10 | DQ5 | DQ2 |
| 2L | 18 | VREFB2LNO | IO | | PLL_2L_CLKOUT0p,PLL_2L_CLKOUT0,PLL_2L_FB0 | LVDS2L_15p | No | | C25 | DQ20 | DQ10 | DQ5 | DQ2 |
| 2L | 17 | VREFB2LNO | IO | | | LVDS2L_16n | Yes | | D27 | DQS21 | DQS10/CQ10 | DQ5 | DQ2 |
| 2L | 16 | VREFB2LNO | IO | | | LVDS2L_16p | Yes | | E26 | DQS21 | DQS10/CQ10 | DQ5 | DQ2 |
| 2L | 15 | VREFB2LNO | IO | | | LVDS2L_17n | No | | A25 | DQ21 | DQ10 | DQ5 | DQ2 |
| 2L | 14 | VREFB2LNO | IO | | | LVDS2L_17p | No | | B26 | DQ21 | DQ10 | DQ5 | DQ2 |
| 2L | 13 | VREFB2LNO | IO | | | LVDS2L_18n | Yes | | M23 | DQ21 | DQ10 | DQ5 | DQ2 |
| 2L | 12 | VREFB2LNO | IO | | | LVDS2L_18p | Yes | | M22 | DQ21 | DQ10 | DQ5 | DQ2 |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|-----------|-------------------|---|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| 2L | 11 | VREFB2LNO | IO | | | LVDS2L_19p | No | | G26 | DQ22 | DQ11 | DQ5 | DQ2 |
| 2L | 10 | VREFB2LNO | IO | | | LVDS2L_19p | No | | D26 | DQ22 | DQ11 | DQ5 | DQ2 |
| 2L | 9 | VREFB2LNO | IO | | | LVDS2L_20n | Yes | | L23 | DQ5n22 | DQ11 | DQ5n5/CQn5 | DQ2 |
| 2L | 8 | VREFB2LNO | IO | | | LVDS2L_20p | Yes | | L24 | DQ522 | DQ11 | DQ55/CQ5 | DQ2 |
| 2L | 7 | VREFB2LNO | IO | | | LVDS2L_21n | No | | E25 | DQ22 | DQ11 | DQ5 | DQ2 |
| 2L | 6 | VREFB2LNO | IO | | | LVDS2L_21p | No | | F25 | DQ22 | DQ11 | DQ5 | DQ2 |
| 2L | 5 | VREFB2LNO | IO | | | LVDS2L_22n | Yes | | G26 | DQ5n23 | DQ5n11/CQn11 | DQ5 | DQ2 |
| 2L | 4 | VREFB2LNO | IO | | | LVDS2L_22p | Yes | | G27 | DQ523 | DQ511/CQ11 | DQ5 | DQ2 |
| 2L | 3 | VREFB2LNO | IO | | | LVDS2L_23n | No | | F24 | DQ23 | DQ11 | DQ5 | DQ2 |
| 2L | 2 | VREFB2LNO | IO | | | LVDS2L_23p | No | | G25 | DQ23 | DQ11 | DQ5 | DQ2 |
| 2L | 1 | VREFB2LNO | IO | | | LVDS2L_24n | Yes | | F27 | DQ23 | DQ11 | DQ5 | DQ2 |
| 2L | 0 | VREFB2LNO | IO | | | LVDS2L_24p | Yes | | E27 | DQ23 | DQ11 | DQ5 | DQ2 |
| 2K | 47 | VREFB2KNO | IO | | | LVDS2K_1n | No | | AI24 | DQ24 | DQ12 | DQ6 | DQ3 |
| 2K | 46 | VREFB2KNO | IO | | | LVDS2K_1p | No | | AH24 | DQ24 | DQ12 | DQ6 | DQ3 |
| 2K | 45 | VREFB2KNO | IO | | | LVDS2K_2n | Yes | | AG25 | DQ5n24 | DQ12 | DQ6 | DQ3 |
| 2K | 44 | VREFB2KNO | IO | | | LVDS2K_2p | Yes | | AH25 | DQ524 | DQ12 | DQ6 | DQ3 |
| 2K | 43 | VREFB2KNO | IO | | | LVDS2K_3n | No | | AI23 | DQ24 | DQ12 | DQ6 | DQ3 |
| 2K | 42 | VREFB2KNO | IO | | | LVDS2K_3p | No | | AH23 | DQ24 | DQ12 | DQ6 | DQ3 |
| 2K | 41 | VREFB2KNO | IO | | | LVDS2K_4n | Yes | | AF25 | DQ5n25 | DQ5n12/CQn12 | DQ6 | DQ3 |
| 2K | 40 | VREFB2KNO | IO | | | LVDS2K_4p | Yes | | AF24 | DQ525 | DQ512/CQ12 | DQ6 | DQ3 |
| 2K | 39 | VREFB2KNO | IO | | | LVDS2K_5n | No | | AF23 | DQ25 | DQ12 | DQ6 | DQ3 |
| 2K | 38 | VREFB2KNO | IO | | | LVDS2K_5p | No | | AG23 | DQ25 | DQ12 | DQ6 | DQ3 |
| 2K | 37 | VREFB2KNO | IO | | | LVDS2K_6n | Yes | | AD24 | DQ25 | DQ12 | DQ6 | DQ3 |
| 2K | 36 | VREFB2KNO | IO | | | LVDS2K_6p | Yes | | AE24 | DQ25 | DQ12 | DQ6 | DQ3 |
| 2K | 35 | VREFB2KNO | IO | | | LVDS2K_7n | No | | AK25 | DQ26 | DQ13 | DQ6 | DQ3 |
| 2K | 34 | VREFB2KNO | IO | | | LVDS2K_7p | No | | AL25 | DQ26 | DQ13 | DQ6 | DQ3 |
| 2K | 33 | VREFB2KNO | IO | | | LVDS2K_8n | Yes | | AN24 | DQ5n26 | DQ13 | DQ5n6/CQn6 | DQ3 |
| 2K | 32 | VREFB2KNO | IO | | | LVDS2K_8p | Yes | | AP24 | DQ526 | DQ13 | DQ56/CQ6 | DQ3 |
| 2K | 31 | VREFB2KNO | IO | | | LVDS2K_9n | No | | AK24 | DQ26 | DQ13 | DQ6 | DQ3 |
| 2K | 30 | VREFB2KNO | IO | | | LVDS2K_9p | No | | AL24 | DQ26 | DQ13 | DQ6 | DQ3 |
| 2K | 29 | VREFB2KNO | IO | PLL_2K_CLKOUT1n | | LVDS2K_10n | Yes | | AM23 | DQ5n27 | DQ5n13/CQn13 | DQ6 | DQ3 |
| 2K | 28 | VREFB2KNO | IO | PLL_2K_CLKOUT1p,PLL_2K_CLKOUT1,PLL_2K_FB1 | | LVDS2K_10p | Yes | | AL23 | DQ527 | DQ513/CQ13 | DQ6 | DQ3 |
| 2K | 27 | VREFB2KNO | IO | | | LVDS2K_11n | No | | AM22 | DQ27 | DQ13 | DQ6 | DQ3 |
| 2K | 26 | VREFB2KNO | IO | RQ_2K | | LVDS2K_11p | No | | AL22 | DQ27 | DQ13 | DQ6 | DQ3 |
| 2K | 25 | VREFB2KNO | IO | CLK_2K_1n | | LVDS2K_12n | Yes | | AN23 | DQ27 | DQ13 | DQ6 | DQ3 |
| 2K | 24 | VREFB2KNO | IO | CLK_2K_1p | | LVDS2K_12p | Yes | | AP23 | DQ27 | DQ13 | DQ6 | DQ3 |
| 2K | 23 | VREFB2KNO | IO | CLK_2K_0n | | LVDS2K_13n | No | | AG22 | DQ28 | DQ14 | DQ7 | DQ3 |
| 2K | 22 | VREFB2KNO | IO | CLK_2K_0p | | LVDS2K_13p | No | | AG21 | DQ28 | DQ14 | DQ7 | DQ3 |
| 2K | 21 | VREFB2KNO | IO | | | LVDS2K_14n | Yes | | AD23 | DQ5n28 | DQ14 | DQ7 | DQ5n3/CQn3 |
| 2K | 20 | VREFB2KNO | IO | | | LVDS2K_14p | Yes | | AD22 | DQ528 | DQ14 | DQ7 | DQ53/CQ3 |
| 2K | 19 | VREFB2KNO | IO | PLL_2K_CLKOUT0n | | LVDS2K_15n | No | | AH20 | DQ28 | DQ14 | DQ7 | DQ3 |
| 2K | 18 | VREFB2KNO | IO | PLL_2K_CLKOUT0p,PLL_2K_CLKOUT0,PLL_2K_FB0 | | LVDS2K_15p | No | | AG20 | DQ28 | DQ14 | DQ7 | DQ3 |
| 2K | 17 | VREFB2KNO | IO | | | LVDS2K_16n | Yes | | AE22 | DQ5n29 | DQ5n14/CQn14 | DQ7 | DQ3 |
| 2K | 16 | VREFB2KNO | IO | | | LVDS2K_16p | Yes | | AF22 | DQ529 | DQ514/CQ14 | DQ7 | DQ3 |
| 2K | 15 | VREFB2KNO | IO | | | LVDS2K_17n | No | | AF20 | DQ29 | DQ14 | DQ7 | DQ3 |
| 2K | 14 | VREFB2KNO | IO | | | LVDS2K_17p | No | | AE20 | DQ29 | DQ14 | DQ7 | DQ3 |
| 2K | 13 | VREFB2KNO | IO | | | LVDS2K_18n | Yes | | AD21 | DQ29 | DQ14 | DQ7 | DQ3 |
| 2K | 12 | VREFB2KNO | IO | | | LVDS2K_18p | Yes | | AE21 | DQ29 | DQ14 | DQ7 | DQ3 |
| 2K | 11 | VREFB2KNO | IO | | | LVDS2K_19n | No | | AP22 | DQ30 | DQ15 | DQ7 | DQ3 |
| 2K | 10 | VREFB2KNO | IO | | | LVDS2K_19p | No | | AP21 | DQ30 | DQ15 | DQ7 | DQ3 |
| 2K | 9 | VREFB2KNO | IO | | | LVDS2K_20n | Yes | | AI22 | DQ5n30 | DQ15 | DQ5n7/CQn7 | DQ3 |
| 2K | 8 | VREFB2KNO | IO | | | LVDS2K_20p | Yes | | AK22 | DQ530 | DQ15 | DQ57/CQ7 | DQ3 |
| 2K | 7 | VREFB2KNO | IO | | | LVDS2K_21n | No | | AM21 | DQ30 | DQ15 | DQ7 | DQ3 |
| 2K | 6 | VREFB2KNO | IO | | | LVDS2K_21p | No | | AN21 | DQ30 | DQ15 | DQ7 | DQ3 |
| 2K | 5 | VREFB2KNO | IO | | | LVDS2K_22n | Yes | | AI21 | DQ5n31 | DQ5n15/CQn15 | DQ7 | DQ3 |
| 2K | 4 | VREFB2KNO | IO | | | LVDS2K_22p | Yes | | AH21 | DQ531 | DQ515/CQ15 | DQ7 | DQ3 |
| 2K | 3 | VREFB2KNO | IO | | | LVDS2K_23n | No | | AM20 | DQ31 | DQ15 | DQ7 | DQ3 |
| 2K | 2 | VREFB2KNO | IO | | | LVDS2K_23p | No | | AL20 | DQ31 | DQ15 | DQ7 | DQ3 |
| 2K | 1 | VREFB2KNO | IO | | | LVDS2K_24n | Yes | | AK21 | DQ31 | DQ15 | DQ7 | DQ3 |
| 2K | 0 | VREFB2KNO | IO | | | LVDS2K_24p | Yes | | AK20 | DQ31 | DQ15 | DQ7 | DQ3 |
| 3D | 47 | VREFB3DNO | IO | | | LVDS3D_1n | No | | M5 | DQ32 | DQ16 | DQ8 | DQ4 |
| 3D | 46 | VREFB3DNO | IO | | | LVDS3D_1p | No | | M6 | DQ32 | DQ16 | DQ8 | DQ4 |
| 3D | 45 | VREFB3DNO | IO | | | LVDS3D_2n | Yes | | L8 | DQ5n32 | DQ16 | DQ8 | DQ4 |
| 3D | 44 | VREFB3DNO | IO | | | LVDS3D_2p | Yes | | K7 | DQ532 | DQ16 | DQ8 | DQ4 |
| 3D | 43 | VREFB3DNO | IO | | | LVDS3D_3n | No | | M3 | DQ32 | DQ16 | DQ8 | DQ4 |
| 3D | 42 | VREFB3DNO | IO | | | LVDS3D_3p | No | | N3 | DQ32 | DQ16 | DQ8 | DQ4 |
| 3D | 41 | VREFB3DNO | IO | | | LVDS3D_4n | Yes | | L7 | DQ5n33 | DQ5n16/CQn16 | DQ8 | DQ4 |
| 3D | 40 | VREFB3DNO | IO | | | LVDS3D_4p | Yes | | M7 | DQ533 | DQ516/CQ16 | DQ8 | DQ4 |
| 3D | 39 | VREFB3DNO | IO | | | LVDS3D_5n | No | | N4 | DQ33 | DQ16 | DQ8 | DQ4 |
| 3D | 38 | VREFB3DNO | IO | | | LVDS3D_5p | No | | M1 | DQ33 | DQ16 | DQ8 | DQ4 |
| 3D | 37 | VREFB3DNO | IO | | | LVDS3D_6n | Yes | | H5 | DQ33 | DQ16 | DQ8 | DQ4 |
| 3D | 36 | VREFB3DNO | IO | | | LVDS3D_6p | Yes | | G5 | DQ33 | DQ16 | DQ8 | DQ4 |
| 3D | 35 | VREFB3DNO | IO | | | LVDS3D_7n | No | | N5 | DQ34 | DQ17 | DQ8 | DQ4 |
| 3D | 34 | VREFB3DNO | IO | | | LVDS3D_7p | No | | N4 | DQ34 | DQ17 | DQ8 | DQ4 |
| 3D | 33 | VREFB3DNO | IO | | | LVDS3D_8n | Yes | | J6 | DQ5n34 | DQ17 | DQ5n8/CQn8 | DQ4 |
| 3D | 32 | VREFB3DNO | IO | | | LVDS3D_8p | Yes | | K5 | DQ534 | DQ17 | DQ58/CQ8 | DQ4 |
| 3D | 31 | VREFB3DNO | IO | | | LVDS3D_9n | No | | P1 | DQ34 | DQ17 | DQ8 | DQ4 |
| 3D | 30 | VREFB3DNO | IO | | | LVDS3D_9p | No | | P2 | DQ34 | DQ17 | DQ8 | DQ4 |
| 3D | 29 | VREFB3DNO | IO | PLL_3D_CLKOUT1n | | LVDS3D_10n | Yes | | K6 | DQ5n35 | DQ5n17/CQn17 | DQ8 | DQ4 |
| 3D | 28 | VREFB3DNO | IO | PLL_3D_CLKOUT1p,PLL_3D_CLKOUT1,PLL_3D_FB1 | | LVDS3D_10p | Yes | | L5 | DQ535 | DQ517/CQ17 | DQ8 | DQ4 |
| 3D | 27 | VREFB3DNO | IO | | | LVDS3D_11n | No | | P3 | DQ35 | DQ17 | DQ8 | DQ4 |
| 3D | 26 | VREFB3DNO | IO | | | LVDS3D_11p | No | | P4 | DQ35 | DQ17 | DQ8 | DQ4 |
| 3D | 25 | VREFB3DNO | IO | RQ_3D | | LVDS3D_12n | Yes | | H4 | DQ35 | DQ17 | DQ8 | DQ4 |
| 3D | 24 | VREFB3DNO | IO | CLK_3D_1n | | LVDS3D_12p | Yes | | H3 | DQ35 | DQ17 | DQ8 | DQ4 |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|-----------|-------------------|----------------------|---|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| 3D | 23 | VREFB3D0N | IO | | | LVDS3D_13n | No | | R1 | DQ36 | DQ18 | DO9 | DQ4 |
| 3D | 22 | VREFB3D0N | IO | CLK_3D_0n | | LVDS3D_13p | No | | R2 | DQ36 | DQ18 | DO9 | DQ4 |
| 3D | 21 | VREFB3D0N | IO | | | LVDS3D_14n | Yes | | K4 | DQ5n36 | DQ18 | DO9 | DQ5n4/CQn4 |
| 3D | 20 | VREFB3D0N | IO | | | LVDS3D_14p | Yes | | J4 | DQ536 | DQ18 | DO9 | DQ54/CQ4 |
| 3D | 19 | VREFB3D0N | IO | | PLL_3D_CLKOUT0n | LVDS3D_15n | No | | R4 | DQ36 | DQ18 | DO9 | DQ4 |
| 3D | 18 | VREFB3D0N | IO | | PLL_3D_CLKOUT0p,PLL_3D_CLKOUT0,PLL_3D_FB0 | LVDS3D_15p | No | | R5 | DQ36 | DQ18 | DO9 | DQ4 |
| 3D | 17 | VREFB3D0N | IO | | | LVDS3D_16n | Yes | | J1 | DQ5n37 | DQ5n18/CQn18 | DO9 | DQ4 |
| 3D | 16 | VREFB3D0N | IO | | | LVDS3D_16p | Yes | | H1 | DQ537 | DQ518/CQ18 | DO9 | DQ4 |
| 3D | 15 | VREFB3D0N | IO | | | LVDS3D_17n | No | | T2 | DQ37 | DQ18 | DO9 | DQ4 |
| 3D | 14 | VREFB3D0N | IO | | | LVDS3D_17p | No | | T3 | DQ37 | DQ18 | DO9 | DQ4 |
| 3D | 13 | VREFB3D0N | IO | | | LVDS3D_18n | Yes | | L3 | DQ37 | DQ18 | DO9 | DQ4 |
| 3D | 12 | VREFB3D0N | IO | | | LVDS3D_18p | Yes | | L4 | DQ37 | DQ18 | DO9 | DQ4 |
| 3D | 11 | VREFB3D0N | IO | | | LVDS3D_19n | No | | T4 | DQ38 | DQ19 | DO9 | DQ4 |
| 3D | 10 | VREFB3D0N | IO | | | LVDS3D_19p | No | | T5 | DQ38 | DQ19 | DO9 | DQ4 |
| 3D | 9 | VREFB3D0N | IO | | | LVDS3D_20n | Yes | | J3 | DQ5n38 | DQ19 | DO5n9/CQn9 | DQ4 |
| 3D | 8 | VREFB3D0N | IO | | | LVDS3D_20p | Yes | | J2 | DQ538 | DQ19 | DO59/CQ9 | DQ4 |
| 3D | 7 | VREFB3D0N | IO | | | LVDS3D_21n | No | | U1 | DQ38 | DQ19 | DO9 | DQ4 |
| 3D | 6 | VREFB3D0N | IO | | | LVDS3D_21p | No | | U2 | DQ38 | DQ19 | DO9 | DQ4 |
| 3D | 5 | VREFB3D0N | IO | | | LVDS3D_22n | Yes | | L2 | DQ5n39 | DQ5n19/CQn19 | DO9 | DQ4 |
| 3D | 4 | VREFB3D0N | IO | | | LVDS3D_22p | Yes | | M2 | DQ539 | DQ519/CQ19 | DO9 | DQ4 |
| 3D | 3 | VREFB3D0N | IO | | | LVDS3D_23n | No | | V1 | DQ39 | DQ19 | DO9 | DQ4 |
| 3D | 2 | VREFB3D0N | IO | | | LVDS3D_23p | No | | W1 | DQ39 | DQ19 | DO9 | DQ4 |
| 3D | 1 | VREFB3D0N | IO | | | LVDS3D_24n | Yes | | K2 | DQ39 | DQ19 | DO9 | DQ4 |
| 3D | 0 | VREFB3D0N | IO | | | LVDS3D_24p | Yes | | K1 | DQ39 | DQ19 | DO9 | DQ4 |
| 3C | 47 | VREFB3C0N | IO | | | LVDS3C_1n | No | | W2 | DQ40 | DQ20 | DQ10 | DQ5 |
| 3C | 46 | VREFB3C0N | IO | | | LVDS3C_1p | No | | Y1 | DQ40 | DQ20 | DQ10 | DQ5 |
| 3C | 45 | VREFB3C0N | IO | | | LVDS3C_2n | Yes | | U3 | DQ5n40 | DQ20 | DQ10 | DQ5 |
| 3C | 44 | VREFB3C0N | IO | | | LVDS3C_2p | Yes | | V3 | DQ540 | DQ20 | DQ10 | DQ5 |
| 3C | 43 | VREFB3C0N | IO | | | LVDS3C_3n | No | | AB1 | DQ40 | DQ20 | DQ10 | DQ5 |
| 3C | 42 | VREFB3C0N | IO | | | LVDS3C_3p | No | | AB2 | DQ40 | DQ20 | DQ10 | DQ5 |
| 3C | 41 | VREFB3C0N | IO | | | LVDS3C_4n | Yes | | W3 | DQ5n41 | DQ5n20/CQn20 | DQ10 | DQ5 |
| 3C | 40 | VREFB3C0N | IO | | | LVDS3C_4p | Yes | | W4 | DQ541 | DQ520/CQ20 | DQ10 | DQ5 |
| 3C | 39 | VREFB3C0N | IO | | | LVDS3C_5n | No | | AA2 | DQ41 | DQ20 | DQ10 | DQ5 |
| 3C | 38 | VREFB3C0N | IO | | | LVDS3C_5p | No | | Y2 | DQ41 | DQ20 | DQ10 | DQ5 |
| 3C | 37 | VREFB3C0N | IO | | | LVDS3C_6n | Yes | | U5 | DQ41 | DQ20 | DQ10 | DQ5 |
| 3C | 36 | VREFB3C0N | IO | | | LVDS3C_6p | Yes | | V4 | DQ41 | DQ20 | DQ10 | DQ5 |
| 3C | 35 | VREFB3C0N | IO | | | LVDS3C_7n | No | | AF2 | DQ42 | DQ21 | DQ10 | DQ5 |
| 3C | 34 | VREFB3C0N | IO | | | LVDS3C_7p | No | | AG2 | DQ42 | DQ21 | DQ10 | DQ5 |
| 3C | 33 | VREFB3C0N | IO | | | LVDS3C_8n | Yes | | AC1 | DQ5n42 | DQ21 | DO5n10/CQn10 | DQ5 |
| 3C | 32 | VREFB3C0N | IO | | | LVDS3C_8p | Yes | | AD1 | DQ542 | DQ21 | DO510/CQ10 | DQ5 |
| 3C | 31 | VREFB3C0N | IO | | | LVDS3C_9n | No | | AG1 | DQ42 | DQ21 | DQ10 | DQ5 |
| 3C | 30 | VREFB3C0N | IO | | | LVDS3C_9p | No | | AH1 | DQ42 | DQ21 | DQ10 | DQ5 |
| 3C | 29 | VREFB3C0N | IO | | PLL_3C_CLKOUT1n | LVDS3C_10n | Yes | | AD2 | DQ5n43 | DQ5n21/CQn21 | DQ10 | DQ5 |
| 3C | 28 | VREFB3C0N | IO | | PLL_3C_CLKOUT1p,PLL_3C_CLKOUT1,PLL_3C_FB1 | LVDS3C_10p | Yes | | AD3 | DQ543 | DQ521/CQ21 | DQ10 | DQ5 |
| 3C | 27 | VREFB3C0N | IO | | | LVDS3C_11n | No | | AJ1 | DQ43 | DQ21 | DQ10 | DQ5 |
| 3C | 26 | VREFB3C0N | IO | | RZQ_3C | LVDS3C_11p | No | | AK1 | DQ43 | DQ21 | DQ10 | DQ5 |
| 3C | 25 | VREFB3C0N | IO | | CLK_3C_1n | LVDS3C_12n | Yes | | AE1 | DQ43 | DQ21 | DQ10 | DQ5 |
| 3C | 24 | VREFB3C0N | IO | | CLK_3C_1p | LVDS3C_12p | Yes | | AE2 | DQ43 | DQ21 | DQ10 | DQ5 |
| 3C | 23 | VREFB3C0N | IO | | CLK_3C_0n | LVDS3C_13n | No | | AJ2 | DQ44 | DQ22 | DO11 | DQ5 |
| 3C | 22 | VREFB3C0N | IO | | CLK_3C_0p | LVDS3C_13p | No | | AJ3 | DQ44 | DQ22 | DO11 | DQ5 |
| 3C | 21 | VREFB3C0N | IO | | | LVDS3C_14n | Yes | | AF4 | DQ5n44 | DQ22 | DO11 | DQ5n5/CQn5 |
| 3C | 20 | VREFB3C0N | IO | | | LVDS3C_14p | Yes | | AF3 | DQ544 | DQ22 | DO11 | DQ55/CQ5 |
| 3C | 19 | VREFB3C0N | IO | | PLL_3C_CLKOUT0n | LVDS3C_15n | No | | AK2 | DQ44 | DQ22 | DO11 | DQ5 |
| 3C | 18 | VREFB3C0N | IO | | PLL_3C_CLKOUT0p,PLL_3C_CLKOUT0,PLL_3C_FB0 | LVDS3C_15p | No | | AI2 | DQ44 | DQ22 | DO11 | DQ5 |
| 3C | 17 | VREFB3C0N | IO | | | LVDS3C_16n | Yes | | AH3 | DQ5n45 | DQ5n22/CQn22 | DO11 | DQ5 |
| 3C | 16 | VREFB3C0N | IO | | | LVDS3C_16p | Yes | | AG3 | DQ545 | DQ522/CQ22 | DO11 | DQ5 |
| 3C | 15 | VREFB3C0N | IO | | | LVDS3C_17n | No | | AM1 | DQ45 | DQ22 | DO11 | DQ5 |
| 3C | 14 | VREFB3C0N | IO | | | LVDS3C_17p | No | | AM2 | DQ45 | DQ22 | DO11 | DQ5 |
| 3C | 13 | VREFB3C0N | IO | | | LVDS3C_18n | Yes | | AE5 | DQ45 | DQ22 | DO11 | DQ5 |
| 3C | 12 | VREFB3C0N | IO | | | LVDS3C_18p | Yes | | AE4 | DQ45 | DQ22 | DO11 | DQ5 |
| 3C | 11 | VREFB3C0N | IO | | | LVDS3C_19n | No | | Y5 | DQ46 | DQ23 | DO11 | DQ5 |
| 3C | 10 | VREFB3C0N | IO | | | LVDS3C_19p | No | | AA5 | DQ46 | DQ23 | DO11 | DQ5 |
| 3C | 9 | VREFB3C0N | IO | | | LVDS3C_20n | Yes | | Y4 | DQ5n46 | DQ23 | DO5n11/CQn11 | DQ5 |
| 3C | 8 | VREFB3C0N | IO | | | LVDS3C_20p | Yes | | AA4 | DQ546 | DQ23 | DO511/CQ11 | DQ5 |
| 3C | 7 | VREFB3C0N | IO | | | LVDS3C_21n | No | | AB5 | DQ46 | DQ23 | DO11 | DQ5 |
| 3C | 6 | VREFB3C0N | IO | | | LVDS3C_21p | No | | AC4 | DQ46 | DQ23 | DO11 | DQ5 |
| 3C | 5 | VREFB3C0N | IO | | | LVDS3C_22n | Yes | | AJ4 | DQ5n47 | DQ5n23/CQn23 | DO11 | DQ5 |
| 3C | 4 | VREFB3C0N | IO | | | LVDS3C_22p | Yes | | AB3 | DQ547 | DQ523/CQ23 | DO11 | DQ5 |
| 3C | 3 | VREFB3C0N | IO | | | LVDS3C_23n | No | | AC5 | DQ47 | DQ23 | DO11 | DQ5 |
| 3C | 2 | VREFB3C0N | IO | | | LVDS3C_23p | No | | AB6 | DQ47 | DQ23 | DO11 | DQ5 |
| 3C | 1 | VREFB3C0N | IO | | | LVDS3C_24n | Yes | | AC3 | DQ47 | DQ23 | DO11 | DQ5 |
| 3C | 0 | VREFB3C0N | IO | | | LVDS3C_24p | Yes | | AD4 | DQ47 | DQ23 | DO11 | DQ5 |
| 3B | 47 | VREFB3B0N | IO | | | LVDS3B_1n | No | | AF5 | DQ48 | DQ24 | DO12 | DQ6 |
| 3B | 46 | VREFB3B0N | IO | | | LVDS3B_1p | No | | AG5 | DQ48 | DQ24 | DO12 | DQ6 |
| 3B | 45 | VREFB3B0N | IO | | | LVDS3B_2n | Yes | | AJ4 | DQ5n48 | DQ24 | DO12 | DQ6 |
| 3B | 44 | VREFB3B0N | IO | | | LVDS3B_2p | Yes | | AK4 | DQ548 | DQ24 | DO12 | DQ6 |
| 3B | 43 | VREFB3B0N | IO | | | LVDS3B_3n | No | | AH4 | DQ48 | DQ24 | DO12 | DQ6 |
| 3B | 42 | VREFB3B0N | IO | | | LVDS3B_3p | No | | AH5 | DQ48 | DQ24 | DO12 | DQ6 |
| 3B | 41 | VREFB3B0N | IO | | | LVDS3B_4n | Yes | | AK6 | DQ5n49 | DQ5n24/CQn24 | DQ12 | DQ6 |
| 3B | 40 | VREFB3B0N | IO | | | LVDS3B_4p | Yes | | AJ6 | DQ549 | DQ524/CQ24 | DQ12 | DQ6 |
| 3B | 39 | VREFB3B0N | IO | | | LVDS3B_5n | No | | AE6 | DQ49 | DQ24 | DO12 | DQ6 |
| 3B | 38 | VREFB3B0N | IO | | | LVDS3B_5p | No | | AD6 | DQ49 | DQ24 | DO12 | DQ6 |
| 3B | 37 | VREFB3B0N | IO | | | LVDS3B_6n | Yes | | AG6 | DQ49 | DQ24 | DO12 | DQ6 |
| 3B | 36 | VREFB3B0N | IO | | | LVDS3B_6p | Yes | | AH6 | DQ49 | DQ24 | DO12 | DQ6 |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 | |
|-------------|-----------------------|-----------|-------------------|----------------------|---|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|------------|
| 3B | 35 | VREFB3BNO | IO | | | LVDS3B_7n | No | | AL3 | DQ50 | DQ25 | DQ12 | DQ6 | |
| 3B | 34 | VREFB3BNO | IO | | | LVDS3B_7p | No | | AM3 | DQ50 | DQ25 | DQ12 | DQ6 | |
| 3B | 33 | VREFB3BNO | IO | | | LVDS3B_8n | Yes | | AK5 | DQ50 | DQ25 | DQ5n12/CQn12 | DQ6 | |
| 3B | 32 | VREFB3BNO | IO | | | LVDS3B_8p | Yes | | AL4 | DQ50 | DQ25 | DQ5n12/CQ12 | DQ6 | |
| 3B | 31 | VREFB3BNO | IO | | | LVDS3B_9n | No | | AN3 | DQ50 | DQ25 | DQ12 | DQ6 | |
| 3B | 30 | VREFB3BNO | IO | | | LVDS3B_9p | No | | AP3 | DQ50 | DQ25 | DQ12 | DQ6 | |
| 3B | 29 | VREFB3BNO | IO | | PLL_3B_CLKOUT1n | LVDS3B_10n | Yes | | AL5 | DQ5n51 | DQ5n25/CQn25 | DQ12 | DQ6 | |
| 3B | 28 | VREFB3BNO | IO | | PLL_3B_CLKOUT1p,PLL_3B_CLKOUT1,PLL_3B_FB1 | LVDS3B_10p | Yes | | AM5 | DQ551 | DQ525/CQ25 | DQ12 | DQ6 | |
| 3B | 27 | VREFB3BNO | IO | | | LVDS3B_11n | No | | AN5 | DQ51 | DQ25 | DQ12 | DQ6 | |
| 3B | 26 | VREFB3BNO | IO | | RZQ_3B | LVDS3B_11p | No | | AP6 | DQ51 | DQ25 | DQ12 | DQ6 | |
| 3B | 25 | VREFB3BNO | IO | | CLK_3B_1n | LVDS3B_12n | Yes | | AN4 | DQ51 | DQ25 | DQ12 | DQ6 | |
| 3B | 24 | VREFB3BNO | IO | | CLK_3B_1p | LVDS3B_12p | Yes | | AP4 | DQ51 | DQ25 | DQ12 | DQ6 | |
| 3B | 23 | VREFB3BNO | IO | | CLK_3B_0n | LVDS3B_13n | No | | AL7 | DQ52 | DQ26 | DQ13 | DQ6 | |
| 3B | 22 | VREFB3BNO | IO | | CLK_3B_0p | LVDS3B_13p | No | | AM6 | DQ52 | DQ26 | DQ13 | DQ6 | |
| 3B | 21 | VREFB3BNO | IO | | | LVDS3B_14n | Yes | | AP7 | DQ5n52 | DQ26 | DQ13 | DQ5n6/CQn6 | |
| 3B | 20 | VREFB3BNO | IO | | | LVDS3B_14p | Yes | | AN6 | DQ52 | DQ26 | DQ13 | DQ5n6/CQ6 | |
| 3B | 19 | VREFB3BNO | IO | | PLL_3B_CLKOUT0n | LVDS3B_15n | No | | AP9 | DQ52 | DQ26 | DQ13 | DQ6 | |
| 3B | 18 | VREFB3BNO | IO | | PLL_3B_CLKOUT0p,PLL_3B_CLKOUT0,PLL_3B_FB0 | LVDS3B_15p | No | | AN9 | DQ52 | DQ26 | DQ13 | DQ6 | |
| 3B | 17 | VREFB3BNO | IO | | | LVDS3B_16n | Yes | | AL8 | DQ5n53 | DQ5n26/CQn26 | DQ13 | DQ6 | |
| 3B | 16 | VREFB3BNO | IO | | | LVDS3B_16p | Yes | | AM7 | DQ553 | DQ526/CQ26 | DQ13 | DQ6 | |
| 3B | 15 | VREFB3BNO | IO | | | LVDS3B_17n | No | | AM8 | DQ53 | DQ26 | DQ13 | DQ6 | |
| 3B | 14 | VREFB3BNO | IO | | | LVDS3B_17p | No | | AL9 | DQ53 | DQ26 | DQ13 | DQ6 | |
| 3B | 13 | VREFB3BNO | IO | | | LVDS3B_18n | Yes | | AN8 | DQ53 | DQ26 | DQ13 | DQ6 | |
| 3B | 12 | VREFB3BNO | IO | | | LVDS3B_18p | Yes | | AP8 | DQ53 | DQ26 | DQ13 | DQ6 | |
| 3B | 11 | VREFB3BNO | IO | | | LVDS3B_19n | No | | AJ7 | DQ54 | DQ27 | DQ13 | DQ6 | |
| 3B | 10 | VREFB3BNO | IO | | | LVDS3B_19p | No | | AK7 | DQ54 | DQ27 | DQ13 | DQ6 | |
| 3B | 9 | VREFB3BNO | IO | | | LVDS3B_20n | Yes | | AD7 | DQ5n54 | DQ27 | DQ5n13/CQn13 | DQ6 | |
| 3B | 8 | VREFB3BNO | IO | | | LVDS3B_20p | Yes | | AE7 | DQ54 | DQ27 | DQ5n13/CQ13 | DQ6 | |
| 3B | 7 | VREFB3BNO | IO | | | LVDS3B_21n | No | | AJ8 | DQ54 | DQ27 | DQ13 | DQ6 | |
| 3B | 6 | VREFB3BNO | IO | | | LVDS3B_21p | No | | AH8 | DQ54 | DQ27 | DQ13 | DQ6 | |
| 3B | 5 | VREFB3BNO | IO | | | LVDS3B_22n | Yes | | AF7 | DQ5n55 | DQ5n27/CQn27 | DQ13 | DQ6 | |
| 3B | 4 | VREFB3BNO | IO | | | LVDS3B_22p | Yes | | AG7 | DQ555 | DQ527/CQ27 | DQ13 | DQ6 | |
| 3B | 3 | VREFB3BNO | IO | | | LVDS3B_23n | No | | AJ8 | DQ55 | DQ27 | DQ13 | DQ6 | |
| 3B | 2 | VREFB3BNO | IO | | | LVDS3B_23p | No | | AD9 | DQ55 | DQ27 | DQ13 | DQ6 | |
| 3B | 1 | VREFB3BNO | IO | | | LVDS3B_24n | Yes | | AG8 | DQ55 | DQ27 | DQ13 | DQ6 | |
| 3B | 0 | VREFB3BNO | IO | | | LVDS3B_24p | Yes | | AF8 | DQ55 | DQ27 | DQ13 | DQ6 | |
| 3A | 47 | VREFB3ANO | IO | | AVST_DATA0 | LVDS3A_1n | No | | AK9 | DQ56 | DQ28 | DQ14 | DQ7 | |
| 3A | 46 | VREFB3ANO | IO | | AVST_DATA1 | LVDS3A_1p | No | | AK10 | DQ56 | DQ28 | DQ14 | DQ7 | |
| 3A | 45 | VREFB3ANO | IO | | AVST_DATA2 | LVDS3A_2n | Yes | | AH9 | DQ5n56 | DQ28 | DQ14 | DQ7 | |
| 3A | 44 | VREFB3ANO | IO | | AVST_DATA3 | LVDS3A_2p | Yes | | AJ9 | DQ556 | DQ28 | DQ14 | DQ7 | |
| 3A | 43 | VREFB3ANO | IO | | AVST_DATA4 | LVDS3A_3n | No | | AL10 | DQ56 | DQ28 | DQ14 | DQ7 | |
| 3A | 42 | VREFB3ANO | IO | | AVST_DATA5 | LVDS3A_3p | No | | AM10 | DQ56 | DQ28 | DQ14 | DQ7 | |
| 3A | 41 | VREFB3ANO | IO | | AVST_DATA6 | LVDS3A_4n | Yes | | AK11 | DQ5n57 | DQ5n28/CQn28 | DQ14 | DQ7 | |
| 3A | 40 | VREFB3ANO | IO | | AVST_DATA7 | LVDS3A_4p | Yes | | AJ11 | DQ557 | DQ528/CQ28 | DQ14 | DQ7 | |
| 3A | 39 | VREFB3ANO | IO | | AVST_DATA8 | LVDS3A_5n | No | | AP11 | DQ57 | DQ28 | DQ14 | DQ7 | |
| 3A | 38 | VREFB3ANO | IO | | AVST_DATA9 | LVDS3A_5p | No | | AN10 | DQ57 | DQ28 | DQ14 | DQ7 | |
| 3A | 37 | VREFB3ANO | IO | | AVST_DATA10 | LVDS3A_6n | Yes | | AJ12 | DQ57 | DQ28 | DQ14 | DQ7 | |
| 3A | 36 | VREFB3ANO | IO | | AVST_DATA11 | LVDS3A_6p | Yes | | AK12 | DQ57 | DQ28 | DQ14 | DQ7 | |
| 3A | 35 | VREFB3ANO | IO | | AVST_DATA12 | LVDS3A_7n | No | | AG10 | DQ58 | DQ29 | DQ14 | DQ7 | |
| 3A | 34 | VREFB3ANO | IO | | AVST_DATA13 | LVDS3A_7p | No | | AH10 | DQ58 | DQ29 | DQ14 | DQ7 | |
| 3A | 33 | VREFB3ANO | IO | | AVST_DATA14 | LVDS3A_8n | Yes | | AE9 | DQ5n58 | DQ29 | DQ5n14/CQn14 | DQ7 | |
| 3A | 32 | VREFB3ANO | IO | | AVST_DATA15 | LVDS3A_8p | Yes | | AF9 | DQ558 | DQ29 | DQ5n14/CQ14 | DQ7 | |
| 3A | 31 | VREFB3ANO | IO | | AVST_DATA16 | LVDS3A_9n | No | | AH11 | DQ58 | DQ29 | DQ14 | DQ7 | |
| 3A | 30 | VREFB3ANO | IO | | AVST_DATA17 | LVDS3A_9p | No | | AG11 | DQ58 | DQ29 | DQ14 | DQ7 | |
| 3A | 29 | VREFB3ANO | IO | | PLL_3A_CLKOUT1n | AVST_DATA18 | LVDS3A_10n | Yes | | AE10 | DQ5n59 | DQ5n29/CQn29 | DQ14 | DQ7 |
| 3A | 28 | VREFB3ANO | IO | | PLL_3A_CLKOUT1p,PLL_3A_CLKOUT1,PLL_3A_FB1 | AVST_DATA19 | LVDS3A_10p | Yes | | AF10 | DQ559 | DQ529/CQ29 | DQ14 | DQ7 |
| 3A | 27 | VREFB3ANO | IO | | | LVDS3A_11n | No | | AG12 | DQ59 | DQ29 | DQ14 | DQ7 | |
| 3A | 26 | VREFB3ANO | IO | | RZQ_3A | AVST_VALID | LVDS3A_11p | No | | AF12 | DQ59 | DQ29 | DQ14 | DQ7 |
| 3A | 25 | VREFB3ANO | IO | | CLK_3A_1n | AVST_DATA20 | LVDS3A_12n | Yes | | AE11 | DQ59 | DQ29 | DQ14 | DQ7 |
| 3A | 24 | VREFB3ANO | IO | | CLK_3A_1p | AVST_DATA21 | LVDS3A_12p | Yes | | AD11 | DQ59 | DQ29 | DQ14 | DQ7 |
| 3A | 23 | VREFB3ANO | IO | | CLK_3A_0n | AVST_DATA22 | LVDS3A_13n | No | | AP13 | DQ60 | DQ30 | DQ15 | DQ7 |
| 3A | 22 | VREFB3ANO | IO | | CLK_3A_0p | AVST_DATA23 | LVDS3A_13p | No | | AN13 | DQ60 | DQ30 | DQ15 | DQ7 |
| 3A | 21 | VREFB3ANO | IO | | | AVST_DATA24 | LVDS3A_14n | Yes | | AM11 | DQ5n60 | DQ30 | DQ15 | DQ5n7/CQn7 |
| 3A | 20 | VREFB3ANO | IO | | | AVST_DATA25 | LVDS3A_14p | Yes | | AL12 | DQ560 | DQ30 | DQ15 | DQ57/CQ7 |
| 3A | 19 | VREFB3ANO | IO | | PLL_3A_CLKOUT0n | AVST_DATA26 | LVDS3A_15n | No | | AP14 | DQ60 | DQ30 | DQ15 | DQ7 |
| 3A | 18 | VREFB3ANO | IO | | PLL_3A_CLKOUT0p,PLL_3A_CLKOUT0,PLL_3A_FB0 | AVST_DATA27 | LVDS3A_15p | No | | AN14 | DQ60 | DQ30 | DQ15 | DQ7 |
| 3A | 17 | VREFB3ANO | IO | | | AVST_DATA28 | LVDS3A_16n | Yes | | AL13 | DQ5n61 | DQ5n30/CQn30 | DQ15 | DQ7 |
| 3A | 16 | VREFB3ANO | IO | | | AVST_DATA29 | LVDS3A_16p | Yes | | AM12 | DQ561 | DQ530/CQ30 | DQ15 | DQ7 |
| 3A | 15 | VREFB3ANO | IO | | | AVST_DATA30 | LVDS3A_17n | No | | AM13 | DQ61 | DQ30 | DQ15 | DQ7 |
| 3A | 14 | VREFB3ANO | IO | | | AVST_DATA31 | LVDS3A_17p | No | | AL14 | DQ61 | DQ30 | DQ15 | DQ7 |
| 3A | 13 | VREFB3ANO | IO | | | LVDS3A_18n | No | | AP12 | DQ61 | DQ30 | DQ15 | DQ7 | |
| 3A | 12 | VREFB3ANO | IO | | | LVDS3A_18p | Yes | | AN11 | DQ61 | DQ30 | DQ15 | DQ7 | |
| 3A | 11 | VREFB3ANO | IO | | | LVDS3A_19n | No | | AG13 | DQ62 | DQ31 | DQ15 | DQ7 | |
| 3A | 10 | VREFB3ANO | IO | | | LVDS3A_19p | No | | AH14 | DQ62 | DQ31 | DQ15 | DQ7 | |
| 3A | 9 | VREFB3ANO | IO | | | LVDS3A_20n | Yes | | AF13 | DQ5n62 | DQ31 | DQ5n15/CQn15 | DQ7 | |
| 3A | 8 | VREFB3ANO | IO | | | LVDS3A_20p | Yes | | AE12 | DQ562 | DQ31 | DQ5n15/CQ15 | DQ7 | |
| 3A | 7 | VREFB3ANO | IO | | | LVDS3A_21n | No | | AF14 | DQ62 | DQ31 | DQ15 | DQ7 | |
| 3A | 6 | VREFB3ANO | IO | | | LVDS3A_21p | No | | AE14 | DQ62 | DQ31 | DQ15 | DQ7 | |
| 3A | 5 | VREFB3ANO | IO | | | LVDS3A_22n | Yes | | AH13 | DQ5n63 | DQ5n31/CQn31 | DQ15 | DQ7 | |
| 3A | 4 | VREFB3ANO | IO | | | LVDS3A_22p | Yes | | AJ13 | DQ563 | DQ531/CQ31 | DQ15 | DQ7 | |
| 3A | 3 | VREFB3ANO | IO | | | LVDS3A_23n | No | | AD13 | DQ63 | DQ31 | DQ15 | DQ7 | |
| 3A | 2 | VREFB3ANO | IO | | | LVDS3A_23p | No | | AD14 | DQ63 | DQ31 | DQ15 | DQ7 | |
| 3A | 1 | VREFB3ANO | IO | | | LVDS3A_24n | Yes | | AK14 | DQ63 | DQ31 | DQ15 | DQ7 | |
| 3A | 0 | VREFB3ANO | IO | | AVST_CLK | LVDS3A_24p | Yes | | AJ14 | DQ63 | DQ31 | DQ15 | DQ7 | |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|------|-------------------|---|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| SDM | | | TD0 | | | | | | AL19 | | | | |
| SDM | | | TMS | | | | | | AL19 | | | | |
| SDM | | | TCK | | | | | | AL17 | | | | |
| SDM | | | TDI | | | | | | AL15 | | | | |
| SDM | | | OSC_CLK_1 | | | | | | AE17 | | | | |
| SDM | | | SDM_IO0 | INIT_DONE,PWRMGT_PWM0,PWRMGT_SCL | | | | | AE19 | | | | |
| SDM | | | SDM_IO1 | AVSTx8_DATA2,AS_DATA1,SDMMC_CFG_DATA1,NAND_RE_N | | | | | AG18 | | | | |
| SDM | | | SDM_IO5 | INIT_DONE,AS_nCS00,SDMMC_CFG_CCLK,NAND_WE_N,MSEL0,CONF_DONE | | | | | AF17 | | | | |
| SDM | | | SDM_IO3 | AVSTx8_DATA3,AS_DATA2,SDMMC_CFG_DATA2,NAND_ADQ2 | | | | | AH18 | | | | |
| SDM | | | nCONFIG | | | | | | AK19 | | | | |
| SDM | | | SDM_IO4 | AVSTx8_DATA1,AS_DATA0,SDMMC_CFG_CMD,NAND_ADQ1 | | | | | AJ19 | | | | |
| SDM | | | SDM_IO2 | AVSTx8_DATA0,AS_CLK,SDMMC_CFG_DATA0,NAND_ADQ0 | | | | | AF19 | | | | |
| SDM | | | SDM_IO7 | AS_nCS02,NAND_ALE,MSEL1 | | | | | AG17 | | | | |
| SDM | | | SDM_IO11 | AVSTx8_VALID,PWRMGT_SDA,NAND_ADQ6 | | | | | AK15 | | | | |
| SDM | | | nSTATUS | | | | | | AH15 | | | | |
| SDM | | | SDM_IO16 | INIT_DONE,CONF_DONE,PWRMGT_SDA | | | | | AG15 | | | | |
| SDM | | | SDM_IO13 | AVSTx8_DATA5,SDMMC_CFG_DATA5,NAND_CE_N | | | | | AJ16 | | | | |
| SDM | | | SDM_IO9 | AS_nCS01,NAND_CLE,MSEL2 | | | | | AK16 | | | | |
| SDM | | | SDM_IO6 | AVSTx8_DATA4,AS_DATA3,SDMMC_CFG_DATA3,NAND_ADQ3 | | | | | AF18 | | | | |
| SDM | | | SDM_IO10 | AVSTx8_DATA7,SDMMC_CFG_DATA7,NAND_ADQ5 | | | | | AH16 | | | | |
| SDM | | | SDM_IO8 | AVST_READY,AS_nCS03,SDMMC_CFG_DATA4,NAND_RB | | | | | AJ17 | | | | |
| SDM | | | SDM_IO12 | PWRMGT_PWM0,PWRMGT_SDA,NAND_WP_N | | | | | AG16 | | | | |
| SDM | | | SDM_IO15 | AVSTx8_DATA6,SDMMC_CFG_DATA6,NAND_ADQ4 | | | | | AH19 | | | | |
| SDM | | | SDM_IO14 | AVSTx8_CLK,PWRMGT_SCL,NAND_ADQ7 | | | | | AK17 | | | | |
| SDM | | | RREF_SDM | | | | | | AP19 | | | | |
| SDM | | | VSIGP_0 | | | | | | AM18 | | | | |
| SDM | | | VSIGN_0 | | | | | | AM17 | | | | |
| SDM | | | VSIGP_1 | | | | | | AP17 | | | | |
| SDM | | | VSIGN_1 | | | | | | AP16 | | | | |
| | | | GND | | | | | | AJ18 | | | | |
| | | | GND | | | | | | AN16 | | | | |
| | | | GND | | | | | | AM16 | | | | |
| | | | GND | | | | | | Y8 | | | | |
| | | | GND | | | | | | Y32 | | | | |
| | | | GND | | | | | | Y21 | | | | |
| | | | GND | | | | | | Y3 | | | | |
| | | | GND | | | | | | Y25 | | | | |
| | | | GND | | | | | | Y23 | | | | |
| | | | GND | | | | | | Y18 | | | | |
| | | | GND | | | | | | Y13 | | | | |
| | | | GND | | | | | | W5 | | | | |
| | | | GND | | | | | | W34 | | | | |
| | | | GND | | | | | | W33 | | | | |
| | | | GND | | | | | | W30 | | | | |
| | | | GND | | | | | | W29 | | | | |
| | | | GND | | | | | | W26 | | | | |
| | | | GND | | | | | | W25 | | | | |
| | | | GND | | | | | | W20 | | | | |
| | | | GND | | | | | | W15 | | | | |
| | | | GND | | | | | | W10 | | | | |
| | | | GND | | | | | | V7 | | | | |
| | | | GND | | | | | | V32 | | | | |
| | | | GND | | | | | | V31 | | | | |
| | | | GND | | | | | | V25 | | | | |
| | | | GND | | | | | | V22 | | | | |
| | | | GND | | | | | | V2 | | | | |
| | | | GND | | | | | | V17 | | | | |
| | | | GND | | | | | | V12 | | | | |
| | | | GND | | | | | | U9 | | | | |
| | | | GND | | | | | | U4 | | | | |
| | | | GND | | | | | | U34 | | | | |
| | | | GND | | | | | | U33 | | | | |
| | | | GND | | | | | | U30 | | | | |
| | | | GND | | | | | | U29 | | | | |
| | | | GND | | | | | | U26 | | | | |
| | | | GND | | | | | | U25 | | | | |
| | | | GND | | | | | | U24 | | | | |
| | | | GND | | | | | | U19 | | | | |
| | | | GND | | | | | | U14 | | | | |
| | | | GND | | | | | | T6 | | | | |
| | | | GND | | | | | | T32 | | | | |
| | | | GND | | | | | | T31 | | | | |
| | | | GND | | | | | | T25 | | | | |
| | | | GND | | | | | | T21 | | | | |
| | | | GND | | | | | | T16 | | | | |
| | | | GND | | | | | | T11 | | | | |
| | | | GND | | | | | | T1 | | | | |
| | | | GND | | | | | | R8 | | | | |
| | | | GND | | | | | | R34 | | | | |
| | | | GND | | | | | | R33 | | | | |
| | | | GND | | | | | | R30 | | | | |
| | | | GND | | | | | | R3 | | | | |
| | | | GND | | | | | | R29 | | | | |
| | | | GND | | | | | | R26 | | | | |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|------|-------------------|----------------------|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| | | | GND | | | | | | R25 | | | | |
| | | | GND | | | | | | R23 | | | | |
| | | | GND | | | | | | R18 | | | | |
| | | | GND | | | | | | R13 | | | | |
| | | | GND | | | | | | P5 | | | | |
| | | | GND | | | | | | P32 | | | | |
| | | | GND | | | | | | P31 | | | | |
| | | | GND | | | | | | P25 | | | | |
| | | | GND | | | | | | P20 | | | | |
| | | | GND | | | | | | P15 | | | | |
| | | | GND | | | | | | P10 | | | | |
| | | | GND | | | | | | N7 | | | | |
| | | | GND | | | | | | N34 | | | | |
| | | | GND | | | | | | N33 | | | | |
| | | | GND | | | | | | N30 | | | | |
| | | | GND | | | | | | N29 | | | | |
| | | | GND | | | | | | N26 | | | | |
| | | | GND | | | | | | N25 | | | | |
| | | | GND | | | | | | N22 | | | | |
| | | | GND | | | | | | N2 | | | | |
| | | | GND | | | | | | N17 | | | | |
| | | | GND | | | | | | N12 | | | | |
| | | | GND | | | | | | M9 | | | | |
| | | | GND | | | | | | M4 | | | | |
| | | | GND | | | | | | M32 | | | | |
| | | | GND | | | | | | M31 | | | | |
| | | | GND | | | | | | M25 | | | | |
| | | | GND | | | | | | M24 | | | | |
| | | | GND | | | | | | M19 | | | | |
| | | | GND | | | | | | M14 | | | | |
| | | | GND | | | | | | L6 | | | | |
| | | | GND | | | | | | L34 | | | | |
| | | | GND | | | | | | L33 | | | | |
| | | | GND | | | | | | L30 | | | | |
| | | | GND | | | | | | L29 | | | | |
| | | | GND | | | | | | L26 | | | | |
| | | | GND | | | | | | L25 | | | | |
| | | | GND | | | | | | L21 | | | | |
| | | | GND | | | | | | L16 | | | | |
| | | | GND | | | | | | L11 | | | | |
| | | | GND | | | | | | L1 | | | | |
| | | | GND | | | | | | K8 | | | | |
| | | | GND | | | | | | K32 | | | | |
| | | | GND | | | | | | K31 | | | | |
| | | | GND | | | | | | K3 | | | | |
| | | | GND | | | | | | K25 | | | | |
| | | | GND | | | | | | K23 | | | | |
| | | | GND | | | | | | K18 | | | | |
| | | | GND | | | | | | K13 | | | | |
| | | | GND | | | | | | J5 | | | | |
| | | | GND | | | | | | J34 | | | | |
| | | | GND | | | | | | J33 | | | | |
| | | | GND | | | | | | J30 | | | | |
| | | | GND | | | | | | J29 | | | | |
| | | | GND | | | | | | J28 | | | | |
| | | | GND | | | | | | J27 | | | | |
| | | | GND | | | | | | J26 | | | | |
| | | | GND | | | | | | J25 | | | | |
| | | | GND | | | | | | J20 | | | | |
| | | | GND | | | | | | J15 | | | | |
| | | | GND | | | | | | J10 | | | | |
| | | | GND | | | | | | H7 | | | | |
| | | | GND | | | | | | H32 | | | | |
| | | | GND | | | | | | H31 | | | | |
| | | | GND | | | | | | H28 | | | | |
| | | | GND | | | | | | H27 | | | | |
| | | | GND | | | | | | H22 | | | | |
| | | | GND | | | | | | H2 | | | | |
| | | | GND | | | | | | H17 | | | | |
| | | | GND | | | | | | H12 | | | | |
| | | | GND | | | | | | G9 | | | | |
| | | | GND | | | | | | G4 | | | | |
| | | | GND | | | | | | G34 | | | | |
| | | | GND | | | | | | G33 | | | | |
| | | | GND | | | | | | G30 | | | | |
| | | | GND | | | | | | G29 | | | | |
| | | | GND | | | | | | G28 | | | | |
| | | | GND | | | | | | G24 | | | | |
| | | | GND | | | | | | G19 | | | | |
| | | | GND | | | | | | G14 | | | | |
| | | | GND | | | | | | F6 | | | | |
| | | | GND | | | | | | F32 | | | | |
| | | | GND | | | | | | F31 | | | | |
| | | | GND | | | | | | F28 | | | | |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|------|-------------------|----------------------|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| | | | GND | | | | | | F26 | | | | |
| | | | GND | | | | | | F21 | | | | |
| | | | GND | | | | | | F16 | | | | |
| | | | GND | | | | | | F11 | | | | |
| | | | GND | | | | | | F1 | | | | |
| | | | GND | | | | | | E8 | | | | |
| | | | GND | | | | | | E34 | | | | |
| | | | GND | | | | | | E33 | | | | |
| | | | GND | | | | | | E30 | | | | |
| | | | GND | | | | | | E3 | | | | |
| | | | GND | | | | | | E29 | | | | |
| | | | GND | | | | | | E28 | | | | |
| | | | GND | | | | | | E23 | | | | |
| | | | GND | | | | | | E18 | | | | |
| | | | GND | | | | | | E13 | | | | |
| | | | GND | | | | | | D5 | | | | |
| | | | GND | | | | | | D32 | | | | |
| | | | GND | | | | | | D31 | | | | |
| | | | GND | | | | | | D28 | | | | |
| | | | GND | | | | | | D25 | | | | |
| | | | GND | | | | | | D20 | | | | |
| | | | GND | | | | | | D15 | | | | |
| | | | GND | | | | | | D10 | | | | |
| | | | GND | | | | | | C7 | | | | |
| | | | GND | | | | | | C34 | | | | |
| | | | GND | | | | | | C33 | | | | |
| | | | GND | | | | | | C30 | | | | |
| | | | GND | | | | | | C29 | | | | |
| | | | GND | | | | | | C28 | | | | |
| | | | GND | | | | | | C27 | | | | |
| | | | GND | | | | | | C22 | | | | |
| | | | GND | | | | | | C2 | | | | |
| | | | GND | | | | | | C17 | | | | |
| | | | GND | | | | | | C12 | | | | |
| | | | GND | | | | | | B9 | | | | |
| | | | GND | | | | | | B4 | | | | |
| | | | GND | | | | | | B34 | | | | |
| | | | GND | | | | | | B33 | | | | |
| | | | GND | | | | | | B32 | | | | |
| | | | GND | | | | | | B31 | | | | |
| | | | GND | | | | | | B28 | | | | |
| | | | GND | | | | | | B24 | | | | |
| | | | GND | | | | | | B19 | | | | |
| | | | GND | | | | | | B14 | | | | |
| | | | GND | | | | | | B1 | | | | |
| | | | GND | | | | | | AP5 | | | | |
| | | | GND | | | | | | AP33 | | | | |
| | | | GND | | | | | | AP32 | | | | |
| | | | GND | | | | | | AP31 | | | | |
| | | | GND | | | | | | AP30 | | | | |
| | | | GND | | | | | | AP25 | | | | |
| | | | GND | | | | | | AP20 | | | | |
| | | | GND | | | | | | AP2 | | | | |
| | | | GND | | | | | | AP15 | | | | |
| | | | GND | | | | | | AP10 | | | | |
| | | | GND | | | | | | AN7 | | | | |
| | | | GND | | | | | | AN34 | | | | |
| | | | GND | | | | | | AN33 | | | | |
| | | | GND | | | | | | AN30 | | | | |
| | | | GND | | | | | | AN29 | | | | |
| | | | GND | | | | | | AN28 | | | | |
| | | | GND | | | | | | AN27 | | | | |
| | | | GND | | | | | | AN22 | | | | |
| | | | GND | | | | | | AN2 | | | | |
| | | | GND | | | | | | AN17 | | | | |
| | | | GND | | | | | | AN12 | | | | |
| | | | GND | | | | | | AN1 | | | | |
| | | | GND | | | | | | AM9 | | | | |
| | | | GND | | | | | | AM4 | | | | |
| | | | GND | | | | | | AM32 | | | | |
| | | | GND | | | | | | AM31 | | | | |
| | | | GND | | | | | | AM28 | | | | |
| | | | GND | | | | | | AM24 | | | | |
| | | | GND | | | | | | AM19 | | | | |
| | | | GND | | | | | | AM14 | | | | |
| | | | GND | | | | | | AL6 | | | | |
| | | | GND | | | | | | AL34 | | | | |
| | | | GND | | | | | | AL33 | | | | |
| | | | GND | | | | | | AL30 | | | | |
| | | | GND | | | | | | AL29 | | | | |
| | | | GND | | | | | | AL28 | | | | |
| | | | GND | | | | | | AL26 | | | | |
| | | | GND | | | | | | AL21 | | | | |
| | | | GND | | | | | | AL16 | | | | |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|------|-------------------|----------------------|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| | | | GND | | | | | | AL11 | | | | |
| | | | GND | | | | | | AL1 | | | | |
| | | | GND | | | | | | AK8 | | | | |
| | | | GND | | | | | | AK32 | | | | |
| | | | GND | | | | | | AK31 | | | | |
| | | | GND | | | | | | AK3 | | | | |
| | | | GND | | | | | | AK28 | | | | |
| | | | GND | | | | | | AK23 | | | | |
| | | | GND | | | | | | AK18 | | | | |
| | | | GND | | | | | | AK13 | | | | |
| | | | GND | | | | | | AJ5 | | | | |
| | | | GND | | | | | | AJ34 | | | | |
| | | | GND | | | | | | AJ33 | | | | |
| | | | GND | | | | | | AJ30 | | | | |
| | | | GND | | | | | | AJ29 | | | | |
| | | | GND | | | | | | AJ28 | | | | |
| | | | GND | | | | | | AJ25 | | | | |
| | | | GND | | | | | | AJ20 | | | | |
| | | | GND | | | | | | AJ15 | | | | |
| | | | GND | | | | | | AJ10 | | | | |
| | | | GND | | | | | | AH7 | | | | |
| | | | GND | | | | | | AH32 | | | | |
| | | | GND | | | | | | AH31 | | | | |
| | | | GND | | | | | | AH28 | | | | |
| | | | GND | | | | | | AH27 | | | | |
| | | | GND | | | | | | AH22 | | | | |
| | | | GND | | | | | | AH2 | | | | |
| | | | GND | | | | | | AH17 | | | | |
| | | | GND | | | | | | AH12 | | | | |
| | | | GND | | | | | | AG9 | | | | |
| | | | GND | | | | | | AG4 | | | | |
| | | | GND | | | | | | AG34 | | | | |
| | | | GND | | | | | | AG33 | | | | |
| | | | GND | | | | | | AG30 | | | | |
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| | | | GND | | | | | | AG28 | | | | |
| | | | GND | | | | | | AG24 | | | | |
| | | | GND | | | | | | AG19 | | | | |
| | | | GND | | | | | | AG14 | | | | |
| | | | GND | | | | | | AF6 | | | | |
| | | | GND | | | | | | AF32 | | | | |
| | | | GND | | | | | | AF31 | | | | |
| | | | GND | | | | | | AF28 | | | | |
| | | | GND | | | | | | AF27 | | | | |
| | | | GND | | | | | | AF26 | | | | |
| | | | GND | | | | | | AF21 | | | | |
| | | | GND | | | | | | AF16 | | | | |
| | | | GND | | | | | | AF11 | | | | |
| | | | GND | | | | | | AF1 | | | | |
| | | | GND | | | | | | AE8 | | | | |
| | | | GND | | | | | | AE34 | | | | |
| | | | GND | | | | | | AE32 | | | | |
| | | | GND | | | | | | AE30 | | | | |
| | | | GND | | | | | | AE3 | | | | |
| | | | GND | | | | | | AE29 | | | | |
| | | | GND | | | | | | AE26 | | | | |
| | | | GND | | | | | | AE25 | | | | |
| | | | GND | | | | | | AE23 | | | | |
| | | | GND | | | | | | AE18 | | | | |
| | | | GND | | | | | | AE13 | | | | |
| | | | GND | | | | | | AD5 | | | | |
| | | | GND | | | | | | AD32 | | | | |
| | | | GND | | | | | | AD31 | | | | |
| | | | GND | | | | | | AD25 | | | | |
| | | | GND | | | | | | AD20 | | | | |
| | | | GND | | | | | | AD15 | | | | |
| | | | GND | | | | | | AD10 | | | | |
| | | | GND | | | | | | AC7 | | | | |
| | | | GND | | | | | | AC34 | | | | |
| | | | GND | | | | | | AC33 | | | | |
| | | | GND | | | | | | AC30 | | | | |
| | | | GND | | | | | | AC29 | | | | |
| | | | GND | | | | | | AC26 | | | | |
| | | | GND | | | | | | AC25 | | | | |
| | | | GND | | | | | | AC22 | | | | |
| | | | GND | | | | | | AC2 | | | | |
| | | | GND | | | | | | AC17 | | | | |
| | | | GND | | | | | | AC12 | | | | |
| | | | GND | | | | | | AB9 | | | | |
| | | | GND | | | | | | AB4 | | | | |
| | | | GND | | | | | | AB32 | | | | |
| | | | GND | | | | | | AB31 | | | | |
| | | | GND | | | | | | AB25 | | | | |
| | | | GND | | | | | | AB24 | | | | |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|------|-------------------|----------------------|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| | | | GND | | | | | | AS19 | | | | |
| | | | GND | | | | | | AB14 | | | | |
| | | | GND | | | | | | AA6 | | | | |
| | | | GND | | | | | | AA34 | | | | |
| | | | GND | | | | | | AA33 | | | | |
| | | | GND | | | | | | AA30 | | | | |
| | | | GND | | | | | | AA29 | | | | |
| | | | GND | | | | | | AA26 | | | | |
| | | | GND | | | | | | AA25 | | | | |
| | | | GND | | | | | | AA21 | | | | |
| | | | GND | | | | | | AA16 | | | | |
| | | | GND | | | | | | AA11 | | | | |
| | | | GND | | | | | | AA1 | | | | |
| | | | GND | | | | | | A6 | | | | |
| | | | GND | | | | | | A33 | | | | |
| | | | GND | | | | | | A30 | | | | |
| | | | GND | | | | | | A29 | | | | |
| | | | GND | | | | | | A28 | | | | |
| | | | GND | | | | | | A26 | | | | |
| | | | GND | | | | | | A21 | | | | |
| | | | GND | | | | | | A2 | | | | |
| | | | GND | | | | | | A16 | | | | |
| | | | GND | | | | | | A11 | | | | |
| | | | GNDSENSE | | | | | | T14 | | | | |
| | | | VCC | | | | | | Y9 | | | | |
| | | | VCC | | | | | | Y7 | | | | |
| | | | VCC | | | | | | Y22 | | | | |
| | | | VCC | | | | | | Y21 | | | | |
| | | | VCC | | | | | | Y20 | | | | |
| | | | VCC | | | | | | Y19 | | | | |
| | | | VCC | | | | | | Y17 | | | | |
| | | | VCC | | | | | | Y16 | | | | |
| | | | VCC | | | | | | Y15 | | | | |
| | | | VCC | | | | | | Y14 | | | | |
| | | | VCC | | | | | | Y12 | | | | |
| | | | VCC | | | | | | Y10 | | | | |
| | | | VCC | | | | | | W9 | | | | |
| | | | VCC | | | | | | W8 | | | | |
| | | | VCC | | | | | | W7 | | | | |
| | | | VCC | | | | | | W22 | | | | |
| | | | VCC | | | | | | W21 | | | | |
| | | | VCC | | | | | | W19 | | | | |
| | | | VCC | | | | | | W18 | | | | |
| | | | VCC | | | | | | W17 | | | | |
| | | | VCC | | | | | | W16 | | | | |
| | | | VCC | | | | | | W14 | | | | |
| | | | VCC | | | | | | W13 | | | | |
| | | | VCC | | | | | | W12 | | | | |
| | | | VCC | | | | | | W11 | | | | |
| | | | VCC | | | | | | U7 | | | | |
| | | | VCC | | | | | | U22 | | | | |
| | | | VCC | | | | | | T9 | | | | |
| | | | VCC | | | | | | T8 | | | | |
| | | | VCC | | | | | | T7 | | | | |
| | | | VCC | | | | | | T22 | | | | |
| | | | VCC | | | | | | T20 | | | | |
| | | | VCC | | | | | | T19 | | | | |
| | | | VCC | | | | | | T18 | | | | |
| | | | VCC | | | | | | T17 | | | | |
| | | | VCC | | | | | | T13 | | | | |
| | | | VCC | | | | | | T12 | | | | |
| | | | VCC | | | | | | T10 | | | | |
| | | | VCC | | | | | | R9 | | | | |
| | | | VCC | | | | | | R7 | | | | |
| | | | VCC | | | | | | R22 | | | | |
| | | | VCC | | | | | | R21 | | | | |
| | | | VCC | | | | | | R20 | | | | |
| | | | VCC | | | | | | R19 | | | | |
| | | | VCC | | | | | | R17 | | | | |
| | | | VCC | | | | | | R16 | | | | |
| | | | VCC | | | | | | R15 | | | | |
| | | | VCC | | | | | | R14 | | | | |
| | | | VCC | | | | | | R12 | | | | |
| | | | VCC | | | | | | R11 | | | | |
| | | | VCC | | | | | | R10 | | | | |
| | | | VCC | | | | | | P9 | | | | |
| | | | VCC | | | | | | P8 | | | | |
| | | | VCC | | | | | | P7 | | | | |
| | | | VCC | | | | | | P22 | | | | |
| | | | VCC | | | | | | P21 | | | | |
| | | | VCC | | | | | | P19 | | | | |
| | | | VCC | | | | | | P17 | | | | |
| | | | VCC | | | | | | P16 | | | | |
| | | | VCC | | | | | | P14 | | | | |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|------|-------------------|----------------------|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| | | | VCC | | | | | | P13 | | | | |
| | | | VCC | | | | | | P12 | | | | |
| | | | VCC | | | | | | N9 | | | | |
| | | | VCC | | | | | | N8 | | | | |
| | | | VCC | | | | | | N21 | | | | |
| | | | VCC | | | | | | N19 | | | | |
| | | | VCC | | | | | | N15 | | | | |
| | | | VCC | | | | | | N14 | | | | |
| | | | VCC | | | | | | AB8 | | | | |
| | | | VCC | | | | | | AB7 | | | | |
| | | | VCC | | | | | | AB22 | | | | |
| | | | VCC | | | | | | AB21 | | | | |
| | | | VCC | | | | | | AB17 | | | | |
| | | | VCC | | | | | | AB15 | | | | |
| | | | VCC | | | | | | AB12 | | | | |
| | | | VCC | | | | | | AA9 | | | | |
| | | | VCC | | | | | | AA8 | | | | |
| | | | VCC | | | | | | AA7 | | | | |
| | | | VCC | | | | | | AA22 | | | | |
| | | | VCC | | | | | | AA20 | | | | |
| | | | VCC | | | | | | AA19 | | | | |
| | | | VCC | | | | | | AA17 | | | | |
| | | | VCC | | | | | | AA15 | | | | |
| | | | VCC | | | | | | AA14 | | | | |
| | | | VCC | | | | | | AA13 | | | | |
| | | | VCC | | | | | | AA12 | | | | |
| | | | VCC | | | | | | AA10 | | | | |
| | | | VCC | | | | | | M13 | | | | |
| | | | VCC | | | | | | L14 | | | | |
| | | | VCC | | | | | | L13 | | | | |
| | | | VCC | | | | | | L12 | | | | |
| | | | VCC | | | | | | K14 | | | | |
| | | | VCC | | | | | | J11 | | | | |
| | | | VCCPT | | | | | | M12 | | | | |
| | | | VCCPT | | | | | | M11 | | | | |
| | | | VCCPT | | | | | | V9 | | | | |
| | | | VCCPT | | | | | | V8 | | | | |
| | | | VCCPT | | | | | | V21 | | | | |
| | | | VCCPT | | | | | | V20 | | | | |
| | | | VCCPT | | | | | | V19 | | | | |
| | | | VCCPT | | | | | | V18 | | | | |
| | | | VCCPT | | | | | | V16 | | | | |
| | | | VCCPT | | | | | | V13 | | | | |
| | | | VCCPT | | | | | | V11 | | | | |
| | | | VCCPT | | | | | | V10 | | | | |
| | | | VCCPT | | | | | | U8 | | | | |
| | | | VCCPT | | | | | | U21 | | | | |
| | | | VCCPT | | | | | | U20 | | | | |
| | | | VCCPT | | | | | | U18 | | | | |
| | | | VCCPT | | | | | | U17 | | | | |
| | | | VCCPT | | | | | | U16 | | | | |
| | | | VCCPT | | | | | | U15 | | | | |
| | | | VCCPT | | | | | | U13 | | | | |
| | | | VCCPT | | | | | | U12 | | | | |
| | | | VCCPT | | | | | | U11 | | | | |
| | | | VCCPT | | | | | | U10 | | | | |
| | | | DNU | | | | | | AG27 | | | | |
| | | | DNU | | | | | | AN25 | | | | |
| | | | DNU | | | | | | AM25 | | | | |
| | | | DNU | | | | | | J8 | | | | |
| | | | DNU | | | | | | H8 | | | | |
| | | | DNU | | | | | | AP18 | | | | |
| | | | DNU | | | | | | AN19 | | | | |
| | | | DNU | | | | | | AN18 | | | | |
| | | | DNU | | | | | | AN20 | | | | |
| | | | DNU | | | | | | AP28 | | | | |
| | | | DNU | | | | | | AP27 | | | | |
| | | | TEMPDIODE0n | | | | | | AM15 | | | | |
| | | | TEMPDIODE0p | | | | | | AM15 | | | | |
| | | | TEMPDIODE1n | | | | | | A127 | | | | |
| | | | TEMPDIODE1p | | | | | | AH26 | | | | |
| | | | VCCBAT | | | | | | AE15 | | | | |
| | | | VCCA_PLL | | | | | | V15 | | | | |
| | | | VCCA_PLL | | | | | | V14 | | | | |
| | | | VCCA_PLL | | | | | | K11 | | | | |
| | | | VCCIO2K | | | | | | AD19 | | | | |
| | | | VCCIO2K | | | | | | AC20 | | | | |
| | | | VCCIO2K | | | | | | AC19 | | | | |
| | | | VCCIO2L | | | | | | M21 | | | | |
| | | | VCCIO2L | | | | | | M20 | | | | |
| | | | VCCIO2L | | | | | | L20 | | | | |
| | | | VCCIO2M | | | | | | M18 | | | | |
| | | | VCCIO2M | | | | | | L19 | | | | |
| | | | VCCIO2M | | | | | | L18 | | | | |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|-----------|-------------------|----------------------|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| | | | VCCIO2N | | | | | | M17 | | | | |
| | | | VCCIO2N | | | | | | M16 | | | | |
| | | | VCCIO2N | | | | | | L17 | | | | |
| | | | VCCIO3A | | | | | | AD12 | | | | |
| | | | VCCIO3A | | | | | | AC14 | | | | |
| | | | VCCIO3A | | | | | | AC13 | | | | |
| | | | VCCIO3B | | | | | | AC9 | | | | |
| | | | VCCIO3B | | | | | | AC8 | | | | |
| | | | VCCIO3B | | | | | | AC10 | | | | |
| | | | VCCIO3C | | | | | | W6 | | | | |
| | | | VCCIO3C | | | | | | V6 | | | | |
| | | | VCCIO3C | | | | | | V5 | | | | |
| | | | VCCIO3D | | | | | | M10 | | | | |
| | | | VCCIO3D | | | | | | L9 | | | | |
| | | | VCCIO3D | | | | | | L10 | | | | |
| | | | VCCIO3V | | | | | | AC24 | | | | |
| | | | VCCIO3V | | | | | | AC23 | | | | |
| | | | VCCIO3SDM | | | | | | AD16 | | | | |
| 2K | | VREFB2KNO | VREFB2KNO | | | | | | AC21 | | | | |
| 2L | | VREFB2LNO | VREFB2LNO | | | | | | K20 | | | | |
| 2M | | VREFB2MNO | VREFB2MNO | | | | | | K19 | | | | |
| 2N | | VREFB2NNO | VREFB2NNO | | | | | | M15 | | | | |
| 3A | | VREFB3ANO | VREFB3ANO | | | | | | AC15 | | | | |
| 3B | | VREFB3BNO | VREFB3BNO | | | | | | AC11 | | | | |
| 3C | | VREFB3CNO | VREFB3CNO | | | | | | Y6 | | | | |
| 3D | | VREFB3DNO | VREFB3DNO | | | | | | M8 | | | | |
| | | | NC | | | | | | C5 | | | | |
| | | | NC | | | | | | D4 | | | | |
| | | | NC | | | | | | C8 | | | | |
| | | | NC | | | | | | C4 | | | | |
| | | | NC | | | | | | D1 | | | | |
| | | | NC | | | | | | C1 | | | | |
| | | | NC | | | | | | D3 | | | | |
| | | | NC | | | | | | B3 | | | | |
| | | | NC | | | | | | C3 | | | | |
| | | | NC | | | | | | B2 | | | | |
| | | | NC | | | | | | B6 | | | | |
| | | | NC | | | | | | D6 | | | | |
| | | | NC | | | | | | A4 | | | | |
| | | | NC | | | | | | B5 | | | | |
| | | | NC | | | | | | D2 | | | | |
| | | | NC | | | | | | A5 | | | | |
| | | | NC | | | | | | D7 | | | | |
| | | | NC | | | | | | B7 | | | | |
| | | | NC | | | | | | G6 | | | | |
| | | | NC | | | | | | A3 | | | | |
| | | | NC | | | | | | C6 | | | | |
| | | | NC | | | | | | G2 | | | | |
| | | | NC | | | | | | A7 | | | | |
| | | | NC | | | | | | G8 | | | | |
| | | | NC | | | | | | F5 | | | | |
| | | | NC | | | | | | G7 | | | | |
| | | | NC | | | | | | E4 | | | | |
| | | | NC | | | | | | F3 | | | | |
| | | | NC | | | | | | G1 | | | | |
| | | | NC | | | | | | F9 | | | | |
| | | | NC | | | | | | H6 | | | | |
| | | | NC | | | | | | E1 | | | | |
| | | | NC | | | | | | F8 | | | | |
| | | | NC | | | | | | E7 | | | | |
| | | | NC | | | | | | F4 | | | | |
| | | | NC | | | | | | H9 | | | | |
| | | | NC | | | | | | D8 | | | | |
| | | | NC | | | | | | F2 | | | | |
| | | | NC | | | | | | J9 | | | | |
| | | | NC | | | | | | E2 | | | | |
| | | | NC | | | | | | F7 | | | | |
| | | | NC | | | | | | E5 | | | | |
| | | | NC | | | | | | J7 | | | | |
| | | | NC | | | | | | E6 | | | | |
| | | | NC | | | | | | G3 | | | | |
| | | | NC | | | | | | K9 | | | | |
| | | | NC | | | | | | E9 | | | | |
| | | | NC | | | | | | K10 | | | | |
| | | | NC | | | | | | U6 | | | | |
| | | | NC | | | | | | R6 | | | | |
| | | | NC | | | | | | P6 | | | | |
| | | | NC | | | | | | N6 | | | | |
| | | | NC | | | | | | AG26 | | | | |
| | | | NC | | | | | | AD18 | | | | |
| | | | NC | | | | | | AC6 | | | | |
| | | | NC | | | | | | AC18 | | | | |
| | | | VCCH_GXBL1CF | | | | | | V26 | | | | |
| | | | VCCH_GXBL1CF | | | | | | F26 | | | | |

| Bank Number | Index within I/O Bank | VREF | Pin Name/Function | Optional Function(s) | Configuration Function | Dedicated Tx/Rx Channel | Soft CDR Support | GT support | HF35 | DQS for X4 | DQS for X8/X9 | DQS for X16/X18 | DQS for X32/X36 |
|-------------|-----------------------|------|-------------------|----------------------|------------------------|-------------------------|------------------|------------|------|------------|---------------|-----------------|-----------------|
| | | | VCCCH_GXBL1CF | | | | | | K26 | | | | |
| | | | VCCR_GXBL1CF | | | | | | AB26 | | | | |
| | | | VCCR_GXBL1C | | | | | | AD28 | | | | |
| | | | VCCR_GXBL1C | | | | | | AD27 | | | | |
| | | | VCCR_GXBL1C | | | | | | AD26 | | | | |
| | | | VCCR_GXBL1D | | | | | | Y28 | | | | |
| | | | VCCR_GXBL1D | | | | | | Y27 | | | | |
| | | | VCCR_GXBL1D | | | | | | Y26 | | | | |
| | | | VCCR_GXBL1E | | | | | | T28 | | | | |
| | | | VCCR_GXBL1E | | | | | | T27 | | | | |
| | | | VCCR_GXBL1E | | | | | | T26 | | | | |
| | | | VCCR_GXBL1F | | | | | | M28 | | | | |
| | | | VCCR_GXBL1F | | | | | | M27 | | | | |
| | | | VCCR_GXBL1F | | | | | | M26 | | | | |
| | | | VCCT_GXBL1C | | | | | | AB28 | | | | |
| | | | VCCT_GXBL1C | | | | | | AB27 | | | | |
| | | | VCCT_GXBL1D | | | | | | V28 | | | | |
| | | | VCCT_GXBL1D | | | | | | V27 | | | | |
| | | | VCCT_GXBL1E | | | | | | F28 | | | | |
| | | | VCCT_GXBL1E | | | | | | F27 | | | | |
| | | | VCCT_GXBL1F | | | | | | K28 | | | | |
| | | | VCCT_GXBL1F | | | | | | K27 | | | | |
| | | | RREF_BL | | | | | | AP29 | | | | |
| | | | VCCADC | | | | | | AF15 | | | | |
| | | | VCCERAM | | | | | | Y24 | | | | |
| | | | VCCERAM | | | | | | W24 | | | | |
| | | | VCCERAM | | | | | | W23 | | | | |
| | | | VCCERAM | | | | | | V24 | | | | |
| | | | VCCERAM | | | | | | V23 | | | | |
| | | | VCCERAM | | | | | | U23 | | | | |
| | | | VCCERAM | | | | | | T24 | | | | |
| | | | VCCERAM | | | | | | T23 | | | | |
| | | | VCCERAM | | | | | | R24 | | | | |
| | | | VCCERAM | | | | | | P24 | | | | |
| | | | VCCERAM | | | | | | P23 | | | | |
| | | | VCCERAM | | | | | | N24 | | | | |
| | | | VCCERAM | | | | | | N23 | | | | |
| | | | VCCERAM | | | | | | N20 | | | | |
| | | | VCCERAM | | | | | | N16 | | | | |
| | | | VCCERAM | | | | | | N13 | | | | |
| | | | VCCERAM | | | | | | N10 | | | | |
| | | | VCCERAM | | | | | | AB23 | | | | |
| | | | VCCERAM | | | | | | AB20 | | | | |
| | | | VCCERAM | | | | | | AB16 | | | | |
| | | | VCCERAM | | | | | | AB13 | | | | |
| | | | VCCERAM | | | | | | AB10 | | | | |
| | | | VCCERAM | | | | | | AA24 | | | | |
| | | | VCCERAM | | | | | | AA23 | | | | |
| | | | VCCFUSEWR_SDM | | | | | | AE16 | | | | |
| | | | VCCISENSE | | | | | | T15 | | | | |
| | | | VCCP | | | | | | Y11 | | | | |
| | | | VCCP | | | | | | F18 | | | | |
| | | | VCCP | | | | | | F11 | | | | |
| | | | VCCP | | | | | | N18 | | | | |
| | | | VCCP | | | | | | N11 | | | | |
| | | | VCCP | | | | | | AB18 | | | | |
| | | | VCCP | | | | | | AB11 | | | | |
| | | | VCCP | | | | | | AA18 | | | | |
| | | | VCCPLLDIG_SDM | | | | | | AD17 | | | | |
| | | | VCCPLL_SDM | | | | | | AC16 | | | | |

| Date | Version | Changes |
|-----------|------------|------------------|
| July 2019 | 2019.07.25 | Initial release. |

(1) For more information about pin definition and pin connection guidelines, refer to the [Intel® Stratix® 10 Device Family Pin Connection Guidelines](#)