

Aller Artix Ultrascale Plus IO Length Details

*	Name	Signal Length (mm)	Routed Length (mm)
False	CLK_N	2.544	2.592
False	CLK_P	2.592	2.63
False	DDR4_DQS0_N	41.836	41.837
False	DDR4_DQS0_P	41.862	41.866
False	DDR4_DQS1_N	41.862	41.887
False	DDR4_DQS1_P	41.853	41.856
False	DDR4_REFCLK_N	n/a	8.121
False	DDR4_REFCLK_P	n/a	8.125
False	DDR_CLK_N	3.692	3.719
False	DDR_CLK_P	3.67	3.692
False	HD104_IO1_N	18.69	18.694
False	HD104_IO1_P	18.69	18.694
False	HD104_IO2_N	16.771	16.776
False	HD104_IO2_P	16.771	16.776
False	HD104_IO3_N	17.84	17.844
False	HD104_IO3_P	17.84	17.844
False	HD104_IO4_N	15.358	15.363
False	HD104_IO4_P	15.358	15.363
False	HD104_IO5_N	18.478	18.483
False	HD104_IO5_P	18.478	18.483
False	HD104_IO6_N	17.193	17.198
False	HD104_IO6_P	17.193	17.198
False	HD104_IO7_N	10.267	10.33
False	HD104_IO7_P	10.267	10.326
False	HD104_IO8_N	10.773	10.77
False	HD104_IO8_P	10.773	10.761
False	HD104_IO9_N	12.384	12.447
False	HD104_IO9_P	12.384	12.429
False	HD104_IO10_N	6.71	6.758
False	HD104_IO10_P	6.71	6.758
False	HD104_IO11_N	8.576	8.636
False	HD104_IO11_P	8.576	8.636
False	HD104_IO12_N	5.778	5.808
False	HD104_IO12_P	5.778	5.826
False	REF_CLK_N	n/a	16.75
False	REF_CLK_P	n/a	16.75
False	V1_N	n/a	66.446
False	V1_P	n/a	66.446
True	DDR4-A0	n/a	39.37
True	DDR4-A1	n/a	39.37
True	DDR4-A2	n/a	39.37
True	DDR4-A3	n/a	39.37
True	DDR4-A4	n/a	39.37

True	DDR4-A5	n/a	39.37
True	DDR4-A6	n/a	39.37
True	DDR4-A7	n/a	39.37
True	DDR4-A8	n/a	39.37
True	DDR4-A9	n/a	39.37
True	DDR4-A10_AP	n/a	39.37
True	DDR4-A11	n/a	39.37
True	DDR4-A12_BC_n	n/a	39.37
True	DDR4-A13	n/a	39.409
True	DDR4-A14_WE_n	n/a	39.37
True	DDR4-A15_CAS_n	n/a	39.37
True	DDR4-A16_RAS_n	n/a	39.37
True	DDR4-ACT_n	n/a	39.37
True	DDR4-BA0	n/a	39.37
True	DDR4-BA1	n/a	39.37
True	DDR4-BG0	n/a	39.37
True	DDR4-CKE	n/a	39.848
True	DDR4-CK_N	n/a	39.356
True	DDR4-CK_P	n/a	39.366
True	DDR4-CS_n	n/a	39.435
True	DDR4-DQ0	41.859	41.866
True	DDR4-DQ1	43.096	43.096
True	DDR4-DQ2	41.774	41.788
True	DDR4-DQ3	41.859	41.867
True	DDR4-DQ4	41.859	41.859
True	DDR4-DQ5	41.859	41.859
True	DDR4-DQ6	41.859	41.864
True	DDR4-DQ7	41.859	41.861
True	DDR4-DQ8	41.859	41.865
True	DDR4-DQ9	41.854	41.878
True	DDR4-DQ10	41.857	41.86
True	DDR4-DQ11	41.859	41.859
True	DDR4-DQ12	41.859	41.865
True	DDR4-DQ13	41.831	41.851
True	DDR4-DQ14	41.891	41.898
True	DDR4-DQ15	41.859	41.895
True	DDR4-ODT	n/a	39.37
True	DDR4-RESET_n	n/a	39.37
True	DDR4_DM0	41.883	41.894
True	DDR4_DM1	41.859	41.879
True	FLASH_CS_N	n/a	40.281
True	FLASH_DQ0	40.281	40.281
True	FLASH_DQ1	40.281	40.281
True	FLASH_DQ2	n/a	40.248
True	FLASH_DQ3	n/a	40.23
True	FLASH_RST#	n/a	40.281
True	FLASH_SCK	n/a	40.281

True	M.2_CLK_N	7.87	7.87
True	M.2_CLK_P	7.868	7.868
True	M.2_RX0_N	31.706	31.706
True	M.2_RX0_P	31.706	31.719
True	M.2_RX1_N	31.706	31.706
True	M.2_RX1_P	31.706	31.706
True	M.2_RX2_N	31.706	31.707
True	M.2_RX2_P	31.706	31.719
True	M.2_RX3_N	31.713	31.777
True	M.2_RX3_P	31.706	31.718
True	M.2_TX0_N	23.885	23.885
True	M.2_TX0_P	23.885	23.885
True	M.2_TX1_N	23.887	23.91
True	M.2_TX1_P	23.881	23.867
True	M.2_TX2_N	23.884	23.884
True	M.2_TX2_P	23.885	23.848
True	M.2_TX3_N	23.88	23.88
True	M.2_TX3_P	23.885	23.849
True	M.2_TX_0_N	7.26	7.26
True	M.2_TX_0_P	7.26	7.26
True	M.2_TX_1_N	7.26	7.26
True	M.2_TX_1_P	7.256	7.256
True	M.2_TX_2_N	7.239	7.239
True	M.2_TX_2_P	7.26	7.26
True	M.2_TX_3_N	7.26	7.261
True	M.2_TX_3_P	7.255	7.255
True	M2_REFCLK_N	19.16	19.147
True	M2_REFCLK_P	19.16	19.147
True	TPM_CLK	13.776	13.777
True	TPM_CS#	n/a	13.776
True	TPM_MISO	13.776	13.778
True	TPM_MOSI	13.776	13.779
True	TPM_RST#	n/a	13.776
True	VREF_N	n/a	24.677
True	VREF_P	n/a	24.677
True	V_N	3.584	3.584
True	V_P	3.584	3.584