

Mimas ECP5 Mini IO Length Details

Name	Routed length(mm)	Delay(ps)
DDR3_BA0	45.414	287.633
DDR3_WE_N	45.13	289.317
DDR3_ADDR10	45.037	288.599
DDR3_ADDR0	44.698	286.526
DDR3_ADDR5	44.663	284.021
DDR3_CS_N	44.647	287.930
DDR3_RAS_N	44.607	287.286
DDR3_ADDR2	44.565	286.527
DDR3_BA2	44.531	286.532
DDR3_ADDR11	44.466	282.926
DDR3_CAS_N	44.425	283.875
DDR3_ADDR6	44.31	283.192
DDR3_ADDR12	44.183	284.478
DDR3_ADDR3	44.163	284.063
DDR3_ADDR1	44.143	280.316
DDR3_ADDR8	44.127	281.801
DDR3_BA1	43.967	281.974
DDR3_ADDR9	43.91	282.131
DDR3_CKE	43.843	277.899
DDR3_ADDR7	43.833	282.145
DDR3_ADDR4	43.816	281.615
DDR3_ADDR13	43.723	280.504
DDR3_ODT	43.175	275.383
DDR3_DM_0	32.452	220.065
DDR3_DQS_0_P	32.028	219.516
DDR3_RESET_N	31.858	212.125
DDR3_DQS_0_N	31.555	216.391
DDR3_DQS_1_P	31.505	215.055
DDR3_DM_1	31.499	216.321
DDR3_DQS_1_N	31.474	215.274
DDR3_CK_N	31.301	204.078
DDR3_CK_P	31.2	203.306
DDR3_DQ10	32.461	223.315
DDR3_DM_0	32.452	220.065
DDR3_DQ7	32.396	222.860
DDR3_DQ8	32.38	222.658
DDR3_DQ0	32.266	221.822
DDR3_DQ4	32.226	221.717
DDR3_DQ1	32.195	221.539
DDR3_DQ13	32.165	217.539
DDR3_DQS_0_P	32.028	219.516
DDR3_DQ9	31.965	219.743
DDR3_DQ5	31.846	218.957
DDR3_DQ2	31.843	216.551
DDR3_DQ12	31.829	217.781
DDR3_DQ3	31.82	218.705
DDR3_DQ14	31.683	217.555

DDR3_DQ6	31.621	216.201
DDR3_DQS_0_N	31.555	216.391
DDR3_DQS_1_P	31.505	215.055
DDR3_DQ11	31.499	216.325
DDR3_DM_1	31.499	216.321
DDR3_DQS_1_N	31.474	215.274
DDR3_DQ15	31.46	214.613
GPIO_17	38.191	272.048
GPIO_19	37.201	264.867
GPIO_18	36.761	261.565
GPIO_20	36.262	258.011
GPIO_5_P	36.118	256.775
GPIO_5_N	36.081	256.566
GPIO_6_N	36.02	256.119
GPIO_8_P	35.981	255.910
GPIO_9_P	35.979	255.648
GPIO_9_N	35.913	255.312
GPIO_4_N	35.886	255.150
GPIO_3_N	35.886	255.147
GPIO_2_N	35.877	255.080
GPIO_14_N	35.869	253.552
GPIO_2_P	35.846	254.591
GPIO_6_P	35.819	254.591
GPIO_10_P	35.817	254.613
GPIO_10_N	35.814	254.573
GPIO_13_P	35.812	254.586
GPIO_13_N	35.81	253.524
GPIO_7_P	35.81	254.596
GPIO_7_N	35.81	254.541
GPIO_16_P	35.809	254.591
GPIO_16_N	35.809	254.591
GPIO_15_P	35.809	254.591
GPIO_15_N	35.809	254.591
GPIO_11_P	35.809	252.436
GPIO_11_N	35.809	252.491
GPIO_8_N	35.809	254.654
GPIO_3_P	35.803	254.544
GPIO_12_N	35.799	254.521
GPIO_12_P	35.791	254.587
GPIO_14_P	35.777	253.216
GPIO_1_P	35.727	253.906
GPIO_1_N	35.721	253.945
GPIO_4_P	35.716	253.943
GPIO_46	66.445	476.393
GPIO_45	66.22	474.836
GPIO_49	65.147	466.459
GPIO_53	64.758	463.035
GPIO_50	64.445	461.794
GPIO_47	63.999	458.274
GPIO_54	63.744	456.301
GPIO_48	63.51	452.405

GPIO_21	62.865	450.232
GPIO_51	62.708	448.184
GPIO_52	62.447	446.196
GPIO_24	59.026	422.236
GPIO_22	58.955	421.851
GPIO_23	56.262	402.030
GPIO_28	52.591	375.310
GPIO_25	52.434	374.114
GPIO_37	52.366	373.592
GPIO_38	52.171	372.199
GPIO_26	51.557	367.699
GPIO_27	51.504	367.334
GPIO_40	46.274	329.149
GPIO_39	45.698	325.037
GPIO_34	44.679	313.968
GPIO_30	42.9	304.483
GPIO_41	42.847	303.861
GPIO_42	42.716	303.150
GPIO_44	42.429	301.086
GPIO_31	42.422	301.047
GPIO_29	42.366	299.088
GPIO_32	41.934	297.438
GPIO_43	41.784	296.375
GPIO_35	41.413	293.670
GPIO_36	41.249	292.440
GPIO_33	38.641	273.379
CONN0_D5	84.6	492.342
CONN0_D7	82.595	480.415
CONN0_D4	82.544	481.068
CONN0_D6	81.151	471.649
CONN0_D2	80.415	478.771
CONN0_D3	80.326	478.246
CONN0_D1	76.239	442.693
CONN0_D0	73.16	424.249
CONN1_D3	69.057	399.827
CONN1_D1	68.637	397.071
CONN1_D0	67.596	391.154
CONN1_D5	67.521	402.005
CONN1_D7	67.34	400.926
CONN1_D2	67.094	388.125
CONN1_D6	66.596	396.406
CONN1_D4	66.473	395.766