

Connector.Pin	Net Name	Length(mil)	Delay(ns)
HDMI RX			
CON4.48	HDMI RX CLKN	948.332	0.1532
CON4.46	HDMI RX CLKP	947.603	0.1531
CON4.42	HDMI RX DON	887.055	0.1434
CON4.40	HDMI RX DOP	887.221	0.1435
CON4.36	HDMI RX DIN	875.092	0.1416
CON4.34	HDMI RX DIP	873.983	0.1415
CON4.30	HDMI RX D2N	887.957	0.1435
CON4.28	HDMI RX D2P	887.469	0.1434
HDMI TX0			
CON4.59	HDMIO TX SBDN	1116.736	0.1794
CON4.57	HDMIO TX SBDP	1117.4	0.1795
CON4.47	HDMIO TXON PORT	1167.663	0.187
CON4.45	HDMIO TXOP PORT	1166.975	0.1869
CON4.41	HDMIO TX1N PORT	1145.99	0.1837
CON4.39	HDMIO TX1P PORT	1146.968	0.1838
CON4.35	HDMIO TX2N PORT	1173.109	0.1877
CON4.33	HDMIO TX2P PORT	1171.382	0.1875
CON4.53	HDMIO TX3N PORT	1146.384	0.184
CON4.51	HDMIO TX3P PORT	1146.041	0.1839
HDMI TX1			
CON4.29	HDMI1 TX SBDN	1081.427	0.1735
CON4.27	HDMI1 TX SBDP	1079.969	0.1733
CON4.17	HDMI1 TXON PORT	1156.537	0.1852
CON4.15	HDMI1 TXOP PORT	1157.311	0.1853
CON4.11	HDMI1 TX1N PORT	1152.569	0.1848
CON4.9	HDMI1 TX1P PORT	1154.517	0.185
CON4.5	HDMI1 TX2N PORT	1093.124	0.1756
CON4.3	HDMI1 TX2P PORT	1090.303	0.1752
CON4.23	HDMI1 TX3N PORT	1071.503	0.1721
CON4.21	HDMI1 TX3P PORT	1071.306	0.1721
PCIE30			
CON3.60	PCIE30 PORT1 REFCLKN IN	1240.101	0.1983
CON3.58	PCIE30 PORT1 REFCLKP IN	1239.758	0.1983
CON3.54	PCIE30 PORT1 TX3N	1152.256	0.1851
CON3.52	PCIE30 PORT1 TX3P	1151.282	0.1849
CON3.48	PCIE30 PORT1 TX2N	1139.95	0.1829
CON3.46	PCIE30 PORT1 TX2P	1140.322	0.1829
CON3.24	PCIE30 PORT0 TXON	1094.045	0.1758
CON3.22	PCIE30 PORT0 TXOP	1095.81	0.1761
CON3.30	PCIE30 PORT0 TX1N	1190.96	0.1906
CON3.28	PCIE30 PORT0 TX1P	1191.472	0.1907
CON3.36	PCIE30 PORT1 RX2N	1118.162	0.1791
CON3.34	PCIE30 PORT1 RX2P	1118.929	0.1792
CON3.42	PCIE30 PORT1 RX3N	1091.798	0.1753
CON3.40	PCIE30 PORT1 RX3P	1092.683	0.1754
CON3.18	PCIE30 PORT0 REFCLKN IN	1085.73	0.1741
CON3.16	PCIE30 PORT0 REFCLKP IN	1087.051	0.1744
CON3.6	PCIE30 PORT0 RXON	1176.362	0.1887
CON3.4	PCIE30 PORT0 RXOP	1177.782	0.1889
CON3.12	PCIE30 PORT0 RX1N	1127.329	0.1811
CON3.10	PCIE30 PORT0 RX1P	1127.882	0.1812
PCIE20			
CON3.5	PCIE20 1 TXN/SATA30 1 TXN	1113.859	0.1786
CON3.3	PCIE20 1 TXP/SATA30 1 TXP	1115.396	0.1788
CON3.11	PCIE20 1 RXN/SATA30 1 RXN	980.561	0.158
CON3.9	PCIE20 1 RXP/SATA30 1 RXP	978.863	0.1577
CON3.23	PCIE20 2 RXN/SATA30 2 RXN	1023.612	0.1649
CON3.21	PCIE20 2 RXP/SATA30 2 RXP	1024.011	0.1649
CON3.17	PCIE20 1 REFCLKN	985.497	0.1586
CON3.15	PCIE20 1 REFCLKP	984.777	0.1585
CON3.35	PCIE20 2 TXN/SATA30 2 TXN	1025.547	0.1653
CON3.33	PCIE20 2 TXP/SATA30 2 TXP	1026.135	0.1654
CON3.29	PCIE20 2 REFCLKN	1026.102	0.165
CON3.27	PCIE20 2 REFCLKP	1025.573	0.165
2.5G ETH			
CON1.98	P25G MDIN3	319.364	0.05487
CON1.96	P25G MDIP3	317.464	0.05457
CON1.92	P25G MDIN2	314.585	0.05411
CON1.90	P25G MDIP2	315.301	0.05423
CON1.86	P25G MDIN1	324.723	0.05571
CON1.84	P25G MDIP1	323.706	0.05555
CON1.80	P25G MDINO	313.067	0.05387
CON1.78	P25G MDIPO	313.831	0.05399
MIPI CSIO RX			
CON1.56	MIPI CSIO RX CLKON	1604.332	0.2556
CON1.54	MIPI CSIO RX CLKOP	1604.609	0.2557
CON1.38	MIPI CSIO RX CLKIN	1666.681	0.2656

CON1.36	MIPI CSIO RX CLK1P	1666.737	0.2657
CON1.68	MIPI CSIO RX DON	1458.442	0.233
CON1.66	MIPI CSIO RX DOP	1457.691	0.2328
CON1.62	MIPI CSIO RX D1N	1497.911	0.2392
CON1.60	MIPI CSIO RX D1P	1497.538	0.2391
CON1.50	MIPI CSIO RX D2N	1599.9	0.255
CON1.48	MIPI CSIO RX D2P	1600.116	0.2551
CON1.44	MIPI CSIO RX D3N	1613.825	0.2573
CON1.42	MIPI CSIO RX D3P	1614.259	0.2574
MIPI CS11 RX			
CON1.55	MIPI CS11 RX CLKON	1468.065	0.2345
CON1.53	MIPI CS11 RX CLKOP	1469.01	0.2347
CON1.37	MIPI CS11 RX CLKIN	1581.984	0.2523
CON1.35	MIPI CS11 RX CLK1P	1582.772	0.2525
CON1.67	MIPI CS11 RX DON	1464.086	0.234
CON1.65	MIPI CS11 RX DOP	1465.008	0.2342
CON1.61	MIPI CS11 RX D1N	1492.847	0.2383
CON1.59	MIPI CS11 RX D1P	1494.653	0.2385
CON1.49	MIPI CS11 RX D2N	1473.352	0.2354
CON1.47	MIPI CS11 RX D2P	1473.984	0.2355
CON1.43	MIPI CS11 RX D3N	1489.589	0.238
CON1.41	MIPI CS11 RX D3P	1490.611	0.2381
MIPI DPHYO RX			
CON2.20	MIPI DPHYO RX CLKN	1683.207	0.2685
CON2.18	MIPI DPHYO RX CLKP	1683.565	0.2685
CON2.26	MIPI DPHYO RX DON	1683.303	0.2687
CON2.24	MIPI DPHYO RX DOP	1684.117	0.2688
CON2.19	MIPI DPHYO RX D1N	1686.857	0.2691
CON2.17	MIPI DPHYO RX D1P	1687.617	0.2693
CON2.13	MIPI DPHYO RX D2N	1683.214	0.2685
CON2.11	MIPI DPHYO RX D2P	1684.191	0.2686
CON2.14	MIPI DPHYO RX D3N	1681.901	0.268
CON2.12	MIPI DPHYO RX D3P	1682.672	0.2683
MIPI DPHYO TX			
CON2.37	MIPI DPHYO TX CLKN	1463.696	0.2342
CON2.35	MIPI DPHYO TX CLKP	1465.76	0.2345
CON2.49	MIPI DPHYO TX DON	1327.51	0.2128
CON2.47	MIPI DPHYO TX DOP	1328.471	0.2131
CON2.43	MIPI DPHYO TX D1N	1383.57	0.2216
CON2.41	MIPI DPHYO TX D1P	1382.824	0.2216
CON2.31	MIPI DPHYO TX D2N	1474.438	0.2359
CON2.29	MIPI DPHYO TX D2P	1474.782	0.236
CON2.25	MIPI DPHYO TX D3N	1522.427	0.2433
CON2.23	MIPI DPHYO TX D3P	1522.494	0.2434
MIPI DPHY1 RX			
CON2.44	MIPI DPHY1 RX CLKN	1285.083	0.2065
CON2.42	MIPI DPHY1 RX CLKP	1284.321	0.2064
CON2.56	MIPI DPHY1 RX DON	1282.433	0.2061
CON2.54	MIPI DPHY1 RX DOP	1282.845	0.2062
CON2.50	MIPI DPHY1 RX D1N	1282.793	0.2061
CON2.48	MIPI DPHY1 RX D1P	1283.645	0.2064
CON2.38	MIPI DPHY1 RX D2N	1283.996	0.2064
CON2.36	MIPI DPHY1 RX D2P	1284.252	0.2064
CON2.32	MIPI DPHY1 RX D3N	1285.219	0.2065
CON2.30	MIPI DPHY1 RX D3P	1285.433	0.2066
MIPI DPHY1 TX			
CON2.74	MIPI DPHY1 TX CLKN	1133.976	0.1823
CON2.72	MIPI DPHY1 TX CLKP	1132.621	0.1821
CON2.86	MIPI DPHY1 TX DON	1069.635	0.1722
CON2.84	MIPI DPHY1 TX DOP	1070.458	0.1725
CON2.80	MIPI DPHY1 TX D1N	1097.809	0.1766
CON2.78	MIPI DPHY1 TX D1P	1098.483	0.1768
CON2.68	MIPI DPHY1 TX D2N	1153.146	0.1853
CON2.66	MIPI DPHY1 TX D2P	1152.224	0.1852
CON2.62	MIPI DPHY1 TX D3N	1179.658	0.1895
CON2.60	MIPI DPHY1 TX D3P	1179.941	0.1895
TYPE-C0			
CON2.92	TYPECO OTG DM	974.871	0.1575
CON2.90	TYPECO OTG DP	975.577	0.1576
CON2.67	TYPECO SSTX1N	1153.417	0.1854
CON2.65	TYPECO SSTX1P	1153.348	0.1855
CON2.73	TYPECO SSRX1N	1153.481	0.1854
CON2.71	TYPECO SSRX1P	1154.204	0.1856
CON2.55	TYPECO SSTX2N	1202.159	0.1932
CON2.53	TYPECO SSTX2P	1201.872	0.1931
CON2.61	TYPECO SSRX2N	1209.696	0.1943
CON2.59	TYPECO SSRX2P	1210.523	0.1945
TYPE-C1			
CON2.98	TYPEC1 OTG DM	926.585	0.1499

CON2.96	TYPEC1 OTG DP	925.291	0.1497
CON2.91	TYPEC1 SSTX1N	1076.199	0.1729
CON2.89	TYPEC1 SSTX1P	1076.045	0.1729
CON2.97	TYPEC1 SSRX1N	1138.369	0.1827
CON2.95	TYPEC1 SSRX1P	1139.41	0.1829
CON2.79	TYPEC1 SSTX2N	1121.841	0.1803
CON2.77	TYPEC1 SSTX2P	1121.637	0.1803
CON2.85	TYPEC1 SSRX2N	1103.944	0.1774
CON2.83	TYPEC1 SSRX2P	1104.032	0.1775
USB20			
CON4.24	USB20 HOST0 DM	930.839	0.1503
CON4.22	USB20 HOST0 DP	931.356	0.1503
CON4.18	USB20 HOST1 DM	926.785	0.1498
CON4.16	USB20 HOST1 DP	925.055	0.1496
SDMMC			
CON4.60	SDMMC0 CLK	998.294	0.1606
CON4.56	SDMMC0 CMD	1001.116	0.1612
CON4.64	SDMMC0 D0	1046.144	0.1682
CON4.66	SDMMC0 D1	1025.076	0.165
CON4.52	SDMMC0 D2	1003.329	0.1614
CON4.54	SDMMC0 D3	1003.064	0.1613
GPIO			
CON4.70	GPIO0 A4/SDMMC DET L	4631.527	0.7793
CON3.47	GPIO0 B2	1242.003	0.2075
CON3.70	GPIO0 C4/UART0 RX M0	1558.969	0.2657
CON3.72	GPIO0 C5/UART0 TX M0/PWM4 M0	1589.323	0.2699
CON3.74	GPIO0 C6/PWM5 M1	1582.038	0.2692
CON3.64	GPIO0 D3/CC INT L	1797.023	0.3042
CON3.66	GPIO0 D4/PWM3 IR M0	1855.213	0.3156
CON3.68	GPIO0 D5	1857.249	0.3159
CON3.73	GPIO1 A0/UART6 RX M1	1127.6	0.1807
CON3.75	GPIO1 A1/UART6 TX M1	1082.709	0.1739
CON3.77	GPIO1 A2/I2C4 SDA M3 TP	1094.67	0.1757
CON3.79	GPIO1 A3/I2C4 SCL M3 TP	1076.061	0.1729
CON3.81	GPIO1 A4	1087.317	0.1747
CON3.83	GPIO1 A7	1103.362	0.1774
CON3.76	GPIO1 B0	1252.485	0.2008
CON3.78	GPIO1 B1/SPI0 MISO M2	1408.37	0.2389
CON3.80	GPIO1 B2/SPI0 MOSI M2/UART4 RX M2	1416.808	0.2397
CON3.82	GPIO1 B3/SPI0 CLK M2/UART4 TX M2	1600.649	0.2698
CON3.90	GPIO1 B4/SPI0 CS0 M2/UART7 RX M2	1430.056	0.243
CON3.92	GPIO1 B5/SPI0 CS1 M0/UART7 TX M2	1557.594	0.2638
CON1.71	GPIO1 B6/MIPI CAM1 CLKOUT	1534.747	0.2576
CON1.75	GPIO1 B7/MIPI CAM2 CLKOUT	1594.593	0.2692
CON3.45	GPIO1 C0/I2C3 SDA M0	1087.654	0.1749
CON3.43	GPIO1 C1/I2C3 SCL M0	993.176	0.1602
CON2.8	GPIO1 C4/HP DET L	3466.75	0.5877
CON3.39	GPIO1 D2/TYPEC5V PWREN H	1057.967	0.1701
CON3.41	GPIO1 D3/PWM1 M1	1031.255	0.1659
CON3.99	GPIO1 D5/HDMIIRX DET L	1550.919	0.2635
CON3.86	GPIO1 D6/I2C8 SCL M2	1422.693	0.2417
CON3.88	GPIO1 D7/I2C8 SDA M2	1569.412	0.2657
CON1.79	GPIO2 A6	1536.86	0.2456
CON1.81	GPIO2 A7	1385.794	0.2221
CON1.83	GPIO2 B0	1384.083	0.2215
CON1.85	GPIO2 B1	1338.382	0.2143
CON1.87	GPIO2 B2	1351.057	0.2161
CON1.89	GPIO2 B3	1820.468	0.3031
CON1.93	GPIO2 B4	1676.703	0.2807
CON1.95	GPIO2 B5	1705.958	0.2858
CON1.97	GPIO2 B6	1640.687	0.2735
CON1.99	GPIO2 B7	1555.648	0.2599
CON1.21	GPIO2 C0	1887.672	0.3008
CON1.23	GPIO2 C1/MIPI CAM2 RESET L	2387.585	0.4007
CON1.25	GPIO2 C2/MIPI CAM2 PDN L	2318.503	0.3928
CON1.27	GPIO2 C3	2237.297	0.38
CON1.29	GPIO2 C4	2382.718	0.4043
CON4.87	GPIO3 A0/SPI4 MISO M1/PWM10 M0	3014.861	0.5128
CON4.89	GPIO3 A1/SPI4 MOSI M1	2991.849	0.5093
CON4.91	GPIO3 A2/SPI4 CLK M1/UART8 TX M1	2406.25	0.4082
CON4.93	GPIO3 A3/SPI4 CS0 M1/UART8 RX M1	2350.071	0.3981
CON4.95	GPIO3 A4/SPI4 CS1 M1	2315.19	0.3926
CON4.97	GPIO3 A5	2964.313	0.5021
CON4.99	GPIO3 A6/LCD RST	2882.229	0.487
CON4.100	GPIO3 A7	2756.8	0.4682
CON4.82	GPIO3 B0/PWM9 M0	2510.94	0.4253
CON4.84	GPIO3 B1/PWM2 M1/LCD BL	2662.416	0.4494
CON4.86	GPIO3 B2	2631.871	0.4466
CON4.88	GPIO3 B3	2729.208	0.4639

CON4.90	GPIO3 B4	2811.975	0.4775
CON4.92	GPIO3 B5/UART3 TX M1/PWM12 M0	2721.624	0.4628
CON4.94	GPIO3 B6/UART3 RX M1/PWM13 M0	2850.49	0.4844
CON4.98	GPIO3 B7	3100.026	0.5296
CON3.87	GPIO3 C0/TP INT L	2155.468	0.3703
CON3.89	GPIO3 C1/TP RST L	2249.669	0.387
CON3.91	GPIO3 C2/PWM14 M0	2190.871	0.3748
CON3.93	GPIO3 C3/PWM15 IR M0	2188.102	0.3745
CON4.81	GPIO3 C7/I2C5 SCL M0 TP	2002.642	0.3385
CON4.79	GPIO3 D0/I2C5 SDA M0 TP	1988.683	0.3342
CON4.85	GPIO3 D5/PWM11 M3/LCD 2 BL	2835.49	0.4846
CON3.51	GPIO4 A0/TP 2 INT L	2149.97	0.3647
CON3.53	GPIO4 A1/TP 2 RST L	2288.592	0.3878
CON3.55	GPIO4 A2/PCIE WIFI PERSTN	2383.358	0.4046
CON3.57	GPIO4 A3/LCD 2 RST	2380.011	0.4035
CON3.61	GPIO4 B0/USB HOST PWREN H	2320.867	0.3948
CON3.63	GPIO4 B3	2739.129	0.4652
CON3.65	GPIO4 B4/PCIE30X4 CLKREQN M1 L	2628.702	0.4472
CON3.67	GPIO4 B5	2090.56	0.3553
CON3.69	GPIO4 B6/PCIE30X4 PERSTN M1 L	2172.071	0.3681
CON1.26	GPIO4 C2	2348.524	0.3978
CON1.28	GPIO4 C3	1842.867	0.2935
CON1.30	GPIO4 C4/MIPI CAM1 RESET L	1803.666	0.2874
CON1.32	GPIO4 C5/MIPI CAM1 PDN L	1844.507	0.2938
CON1.31	GPIO4 C6	1760.751	0.281
CON4.78	HDMIIRX HPDOUT H	2693.588	0.4608
CON4.67	HDMITX0 CEC M0	1740.589	0.296
CON3.95	HDMITX0 HPDIN M0	1261.545	0.2023
CON4.63	HDMITX0 SCL M0	2004.284	0.3353
CON4.65	HDMITX0 SDA M0	1705.734	0.2913
CON4.75	HDMITX1 CEC M2	2199.449	0.3672
CON3.97	HDMITX1 HPDIN M0	1196.854	0.1922
CON4.71	HDMITX1 SCL M1	2064.159	0.3465
CON4.73	HDMITX1 SDA M1	2044.152	0.3438
CON4.76	HDMI RX CEC	1899.2	0.322
CON4.72	HDMI RX SCL M1	1975.347	0.3329
CON4.74	HDMI RX SDA M1	1906.153	0.3228
CON4.69	HDMIO TX ON H	1859.284	0.3153
CON4.77	HDMI1 TX ON H	1854.855	0.3126
CON3.96	I2C6 SCL M0	2248.073	0.3841
CON3.98	I2C6 SDA M0	2120.918	0.3634
CON2.7	I2C7 SCL M0	3438.806	0.5842
CON2.5	I2C7 SDA M0	3262.61	0.555
CON4.4	TYPECO SBU1	1069.719	0.1761
CON4.6	TYPECO SBU2	994.453	0.1643
CON4.10	TYPEC1 SBU1	970.598	0.1596
CON4.12	TYPEC1 SBU2	934.679	0.1541
CON1.22	UART2 RX M0 DEBUG	2604.625	0.444
CON1.20	UART2 TX M0 DEBUG	2767.633	0.4714