Samtec Cable Bandwidth Performance Selector
Differential Pair
High Speed Twin-Ax

Series	Pitch	Stack Height	7dB Insertion Loss Point
6QDP	.635mm	6”	9.24 GHz
		9”	8.29 GHz
		12”	6.16 GHz
		19.68”	5.27 GHz
		29.53”	5.32 GHz
		39.37”	5.19 GHz
6QDPS	.635mm	6”	9.29 GHz
		9”	6.24 GHz
		12”	6.15 GHz
		19.68”	6.06 GHz
		29.53”	6.01 GHz
		39.37”	5.28 GHz
EEDP	.8mm	6”	11.40 GHz
		9”	10.60 GHz
		12”	9.68 GHz
		19.68”	7.25 GHz
		29.53”	4.75 GHz
		39.37”	3.42 GHz
EQDP	.8mm	6”	10.05 GHz
		9”	9.95 GHz
		12”	9.96 GHz
		19.68”	9.95 GHz
		29.53”	5.90 GHz
		39.37”	4.92 GHz
EQRF	.8mm	6”	4.62 GHz
		9”	4.62 GHz
		12”	4.53 GHz
		19.68”	4.53 GHz
		39.37”	4.47 GHz
EQRP	.8mm	6”	5.82 GHz
		9”	5.79 GHz
		12”	5.40 GHz
		19.68”	5.58 GHz
		29.53”	5.01 GHz
		39.37”	5.10 GHz
ERDP	.8mm	6”	7.56 GHz
		9”	7.38 GHz
		12”	6.00 GHz
		19.68”	6.00 GHz
		29.53”	6.00 GHz
		39.37”	5.13 GHz
GCCA	1.27mm	6”	11.00 GHz
		9”	10.20 GHz
		12”	10.80 GHz
		29.53”	6.58 GHz
		39.37”	5.86 GHz
HQDP	.5mm	6”	9.07 GHz
		9”	9.20 GHz
		12”	8.79 GHz
		19.68”	9.20 GHz
		29.53”	7.06 GHz
		39.37”	6.30 GHz

Series	Pitch	Stack Height	7dB Insertion Loss Point
PCIEC		95mm	5.18 GHz
		152mm	4.70 GHz
		229mm	4.78 GHz
		305mm	4.83 GHZ
		500mm	4.64 GHz
		750mm	4.54 GHz
		1000mm	4.47 GHz
PCRF		305mm	3.69 GHz
		457mm	3.87 GHz
		500mm	3.53 GHz
		750mm	3.88 GHz
		1000mm	3.59 GHz

The information contained in this chart does not represent the potential maximum performance of the interconnect system. If your application appears to exceed the cable assembly's rating from the chart, the cable assembly solution may still work. Please contact our Signal Integrity Group at sig@samtec.com for additional support.

The data reflects the point where an insertion loss of 7dB occurs within the cable assembly. The data is based from a test circuit with a characteristic impedance of 100 ohm differential pair and a wiring pattern of Q-S-Q (where Q = quiet line terminated to Zc; S - active differential pair) within the pin field of the connector. Resonances in the loss data which may be caused by impedance mismatches at the ends of the cable assemblies are not included in the loss calculations.

For more information on any of the products included in this chart, click on the series name in the Key to get complete testing information, visit our website at www.samtec.com, or contact our High Speed Cable Group at hdrgroup@samtec.com.