

Samtec Connector Bandwidth Performance Selector
Single-Ended
High Speed Coax

Series	Pitch	Stack Height	7dB Insertion Loss Point	Series	Pitch	Stack Height	7dB Insertion Loss Point
6QCD	.635mm	6"	3.34 GHz	FFTP	1,27mm	3.85"	2.00 GHz
		9"	3.52 GHz			8.84"	1.94 GHz
		12"	3.15 GHz				
		19.68"	2.34 GHz				
		29.53"	1.44 GHz				
EQCD	.8mm	6"	5.61 GHz	HBCD	.5mm	6"	6.62 GHz
		9"	5.31 GHz			9"	5.09 GHz
		12"	5.01 GHz			12"	5.14 GHz
		19.68"	4.11 GHz			19.68"	3.74 GHz
		29.53"	3.06 GHz			29.53"	3.06 GHz
EQRD	.8mm	6"	4.32 GHz	HQCD	.5mm	6"	6.08 GHz
		9"	3.87 GHz			9"	6.41 GHz
		12"	3.72 GHz			12"	5.25 GHz
		19.68"	3.03 GHz			19.68"	4.47 GHz
		29.53"	2.67 GHz			29.53"	2.52 GHz
EQRF	.8mm	6"	4.62 GHz	MICD	.635mm	6"	3.51 GHz
		9"	4.59 GHz			9"	3.63 GHz
		12"	4.53 GHz			12"	3.45 GHz
		19.68"	4.47 GHz			19.68"	4.47 GHz
		29.53"	4.47 GHz			29.53"	2.52 GHz
EQSD	.8mm	6"	9.21 GHz	Q2DA	.635mm	6"	6.56 GHz
		9"	6.16 GHz			9"	6.42 GHz
		12"	5.62 GHz			12"	6.31 GHz
		19.68"	5.11 GHz			19.68"	2.37 GHz
		29.53"	3.68 GHz			29.53"	2.07 GHz
ERCD	.8mm	6"	6.37 GHz	SEAC	1,27mm	6"	7.92 GHz
		9"	6.32 GHz			9"	7.94 GHz
		12"	5.43 GHz			12"	7.99 GHz
		19.68"	4.29 GHz			19.68"	6.00 GHz
		29.53"	2.19 GHz			29.53"	4.29 GHz
ERCDA-1SE		6"	9.06 GHz	SQCD	.635mm	6"	7.23 GHz
		9"	9.08 GHz			9"	7.20 GHz
		12"	8.42 GHz			12"	6.46 GHz
		19.68"	7.89 GHz			19.68"	5.79 GHz
		29.53"	6.65 GHz			29.53"	3.26 GHz
ERCDA-1SS		6"	9.06 GHz			6"	7.23 GHz
		9"	9.46 GHz			9"	7.20 GHz
		12"	8.92 GHz			12"	6.46 GHz
		19.68"	5.49 GHz			19.68"	5.79 GHz
		29.53"	2.91 GHz			29.53"	3.26 GHz
FCC8	.8mm	6"	5.72 GHz			39.37"	2.12 GHz
		9"	5.12 GHz				
		12"	4.62 GHz				
		19.68"	4.25 GHz				
		29.53"	2.70 GHz				
		39.37"	1.79 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 50 ohm single-ended and a wiring pattern of Q-S-Q (where Q = quiet line terminated to Zc; S = active single line) 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 hdcgroup@samtec.com.

+ DOES NOT INCLUDE TEST BOARD EFFECTS