

Series: QRM8/QRF8 Q Rate® Slim Body Ground Plane Connector

Description: Board-to-Board, 7mm (.276") Stack Height, 0.8mm (.0315") Pitch

Time Domain Data Summary

Table 3 - Single-Ended Impedance (Ω)					
Signal Risetime	30ps	50ps	100ps	250ps	500ps
Maximum Impedance	57.7	55.6	52.6	50.9	50.5
Minimum Impedance	46.8	47.7	49.1	50.1	50.2

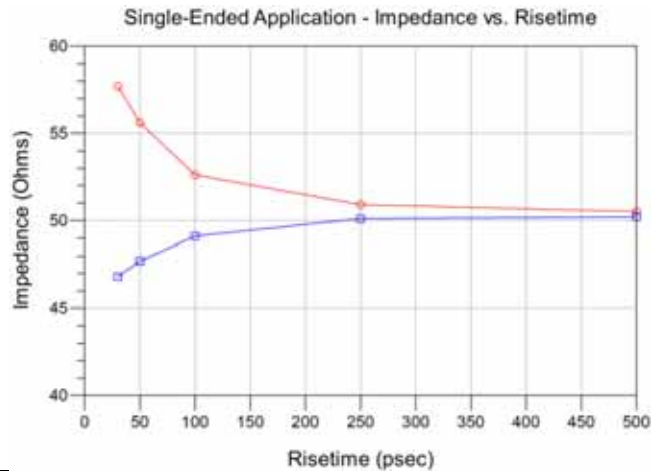
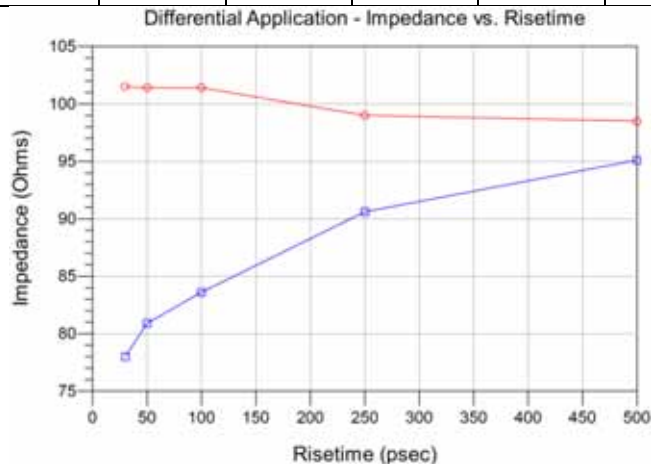


Table 4 - Differential Impedance (Ω)					
Signal Risetime	30ps	50ps	100ps	250ps	500ps
Maximum Impedance	101.5	101.4	101.4	99.0	98.5
Minimum Impedance	78.0	80.9	83.6	90.6	95.1



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Table 5 - Single-Ended Crosstalk (%)

Input(tr)		Driver	Receiver	30ps	50ps	100ps	250ps	500ps
NEXT	GAQG	QRM8_35	QRM8_37	18.07	17.20	14.21	7.10	3.81
	GAGQG	QRM8_37	QRM8_41	3.23	2.30	1.58	0.80	0.42
	Xrow	QRM8_37	QRM8_38	1.17	0.59	0.36	0.16	<0.1
FEXT	GAQG	QRM8_35	QRF8_37	4.28	3.30	2.23	0.93	0.53
	GAGQG	QRM8_37	QRF8_41	3.45	2.21	1.13	0.46	0.21
	Xrow	QRM8_37	QRF8_38	0.96	0.57	0.38	0.16	<0.1

Table 6 - Differential Crosstalk (%)

Input(tr)		Driver	Receiver	30ps	50ps	100ps	250ps	500ps
NEXT	GAAQQG	QRM8_33,35	QRM8_37,39	5.90	5.13	4.36	2.42	1.45
	GAAGQQG	QRM8_35,37	QRM8_41,43	1.85	1.43	1.06	0.57	0.33
	Xrow	QRM8_35,37	QRM8_36,38	1.90	1.34	0.86	0.43	0.27
FEXT	GAAQQG	QRM8_33,35	QRF8_37,39	5.18	4.57	3.84	2.09	1.12
	GAAGQQG	QRM8_35,37	QRF8_41,43	1.90	1.29	0.88	0.48	0.26
	Xrow	QRM8_35,37	QRF8_36,38	1.45	1.00	0.74	0.43	0.23

Table 7 - Propagation Delay (Mated Connector)

Single-Ended	52 ps
Differential	54 ps