

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

Description: Board-to-Board, 10mm (.394") 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	62.1	60.4	56.3	52.8	51.6
Minimum Impedance	47.7	48.5	49.7	49.8	50.2

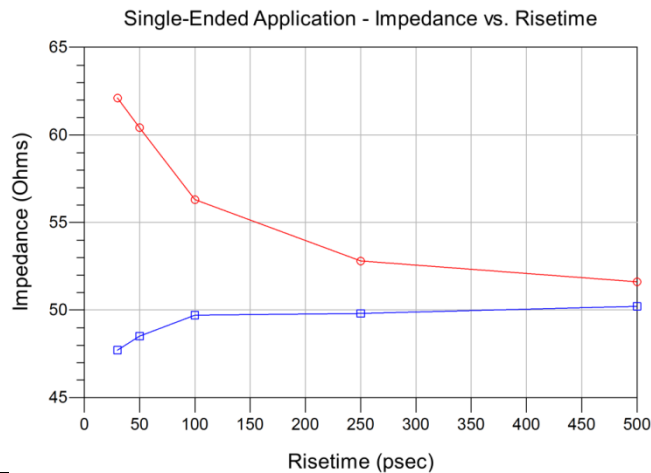
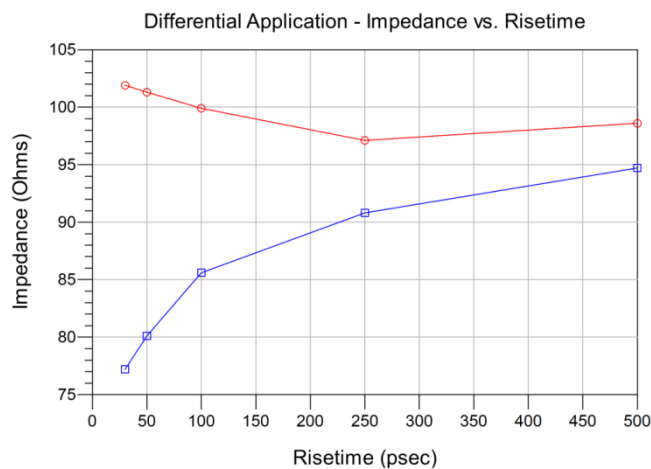


Table 4 - Differential Impedance (Ω)					
Signal Risetime	30ps	50ps	100ps	250ps	500ps
Maximum Impedance	101.9	101.3	99.9	97.1	98.6
Minimum Impedance	77.2	80.1	85.6	90.8	94.7



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Table 5 - Single-Ended Crosstalk (%)

Input(t _r)		Driver	Receiver	30ps	50ps	100ps	250ps	500ps
NEXT	GAQG	QRM8_35	QRM8_37	19.7	17.6	15.6	8.87	4.91
	GAGQG	QRM8_37	QRM8_41	2.72	2.11	1.46	0.83	0.47
	Xrow	QRM8_37	QRM8_38	0.42	0.23	0.11	<0.1	<0.1
FEXT	GAQG	QRM8_35	QRF8_37	5.68	4.33	3.24	1.78	1.00
	GAGQG	QRM8_37	QRF8_41	2.79	1.85	0.97	0.46	0.20
	Xrow	QRM8_37	QRF8_38	0.40	0.26	0.13	<0.1	<0.1

Table 6 - Differential Crosstalk (%)

Input(t _r)		Driver	Receiver	30ps	50ps	100ps	250ps	500ps
NEXT	GAAQQG	QRM8_33,35	QRM8_37,39	5.88	5.06	4.35	2.80	1.74
	GAAGQQG	QRM8_35,37	QRM8_41,43	0.48	0.38	0.25	0.14	<0.1
	Xrow	QRM8_35,37	QRM8_36,38	1.03	0.70	0.38	0.21	0.13
FEXT	GAAQQG	QRM8_33,35	QRF8_37,39	5.11	4.53	4.03	2.50	1.43
	GAAGQQG	QRM8_35,37	QRF8_41,43	1.50	1.13	0.69	0.43	0.24
	Xrow	QRM8_35,37	QRF8_36,38	1.03	0.66	0.33	0.21	0.14

Table 7 - Propagation Delay (Mated Connector)

Single-Ended	70 ps
Differential	71 ps