

**Series:** QMSS/QFSS

**Description:** Shielded Q2 Socket/Terminal Strip, GSSSSG Standard Shield Configuration, 0.635mm (.025") Pitch, 11mm (.433") Stack Height

## Frequency Domain Data Summary

Table 1 – Single-Ended Signaling- Case I - System Performance				
Test Parameter	File	Source	Victim	
Insertion Loss	RLIL_P1_3_P2_3	port 1=QFSS_3, port 3=QMSS_3		-3dB @ 6.0 GHz
Return Loss	RLIL_P1_3_P2_3	port 1=QFSS_3, port 3=QMSS_3		≤ -5dB to 6.0 GHz
Near-End Crosstalk	NV1_P1_59_P2_61	QFSS_59	QFSS_61	≤ -7dB to 6.0 GHz
	NV2_P1_91_P2_95	QFSS_91	QFSS_95	≤ -14dB to 6.0 GHz
	NV3_P1_91_P2_92	QFSS_91	QFSS_92	≤ -22dB to 6.0 GHz
Far-End Crosstalk	FV1_P1_59_P2_61	QFSS_59	QMSS_61	≤ -18dB to 6.0 GHz
	FV2_P1_91_P2_95	QFSS_91	QMSS_95	≤ -43dB to 6.0 GHz
	FV3-P1_91_P2_92	QFSS_91	QMSS_92	≤ -42dB to 6.0 GHz

Table 2 – Single-Ended Signaling- Case II - System Performance				
Test Parameter	File	Source	Victim	
Insertion Loss	RLIL_P1_15_P2_15	port 1=QFSS_15, port 3=QMSS_15		-3dB @ 5.6 GHz
Return Loss	RLIL_P1_15_P2_15	port 1=QFSS_15, port 3=QMSS_15		≤ -7dB to 5.6 GHz
Near-End Crosstalk	NV1_P1_59_P2_61	QFSS_59	QFSS_61	≤ -7dB to 5.6 GHz
	NV2_P1_91_P2_95	QFSS_91	QFSS_95	≤ -14dB to 5.6 GHz
	NV3_P1_91_P2_92	QFSS_91	QFSS_92	≤ -22dB to 5.6 GHz
Far-End Crosstalk	FV1_P1_59_P2_61	QFSS_59	QMSS_61	≤ -18dB to 5.6 GHz
	FV2_P1_91_P2_95	QFSS_91	QMSS_95	≤ -43dB to 5.6 GHz
	FV3-P1_91_P2_92	QFSS_91	QMSS_92	≤ -42dB to 5.6 GHz

Table 3- Differential Pair Signaling - System Performance				
Test Parameter	File	Source	Victim	
Insertion Loss	RLIL_P12_99_101_P34_99_101	port1+2=QFSS_99-101, port3+4=QMSS_99-101		-3dB @ 7.0 GHz
Return Loss	RLIL_P12_99_101_P34_99_101	port1+2=QFSS_99-101, port3+4=QMSS_99-101		≤ 4dB to 7.0 GHz
Near-End Crosstalk	NV2_P12_100_102_P34_96_98	QFSS_100-102	QFSS_96-98	≤ -18dB to 7.0 GHz
	NV1_P12_14_16_P34_8_10	QFSS_14-16	QFSS_8-10	≤ -25dB to 7.0 GHz
	NV3_P12_99_101_P34_100_102	QFSS_99-101	QFSS_100-102	≤ -40dB to 7.0 GHz
Far-End Crosstalk	FV2_P12_100_102_P34_96_98	QFSS_100-102	QMSS_96-98	≤ -24dB to 7.0 GHz
	FV1_P12_14_16_P34_8_10	QFSS_14-16	QMSS_8-10	≤ -24dB to 7.0 GHz
	FV3_P12_99_101_P34_100_102	QFSS_99-101	QMSS_100-102	≤ -39dB to 7.0 GHz

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## Bandwidth Chart –DP Version & Standard Differential Version

