

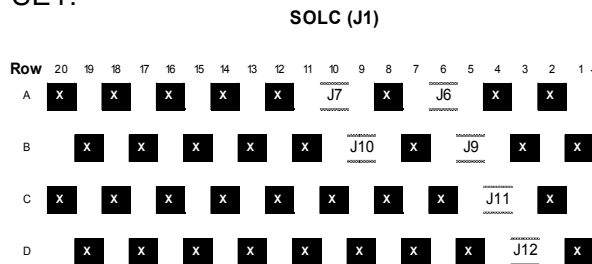
**Series:** TOLC/SOLC, 1.27mm (0.050") Contact Pitch, 0.64mm (0.025") Footprint Pitch  
**Description:**, Board-to-Board, Surface Mount, 6.35mm (0.250") Stack Height

## Frequency Domain Data Summary

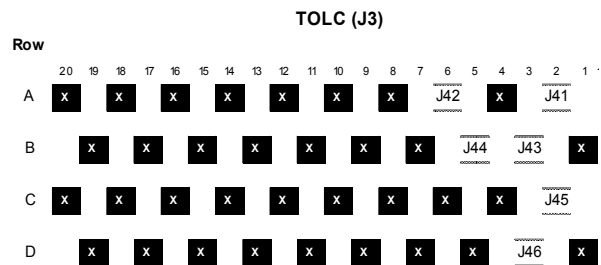
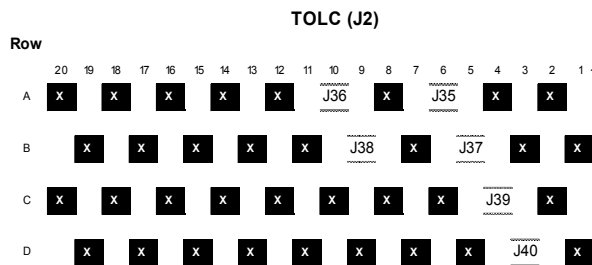
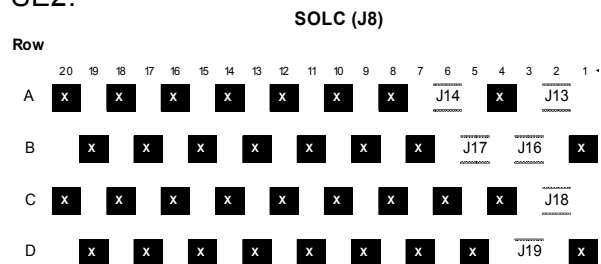
Table 1 - Single-Ended Connector System Performance			
Test Parameter	Source	Victim	
Insertion Loss	port1=J6; port2=J35		<b>-3dB @ 6.72 GHz</b>
Return Loss	port1=J6; port2=J35		≤ -5 dB to 6.72GHz
Near-End Crosstalk	J6 (SE1)	J9 (SE1)	≤ -10dB to 6.72GHz
	J9 (SE1)	J11 (SE1)	≤ -10dB to 6.72 GHz
	J16 (SE2)	J17 (SE2)	≤ -12dB to 6.72 GHz
Far-End Crosstalk	J6 (SE1)	J7 (SE1)	≤ -18dB to 6.72 GHz
	J6 (SE1)	J37 (SE1)	≤ -10dB to 6.72 GHz
	J9 (SE1)	J39 (SE1)	≤ -10dB to 6.72 GHz
	J16 (SE2)	J44 (SE2)	≤ -18dB to 6.72 GHz
	J6 (SE1)	J36 (SE1)	≤ -15dB to 6.72 GHz

Pin Map (reference Appendix C for full description of test boards)

SE1:



SE2:

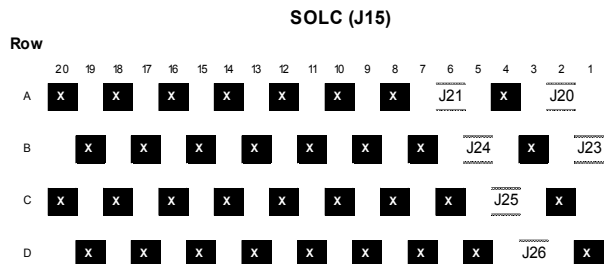


**Series:** TOLC/SOLC, 1.27mm (0.050") Contact Pitch, 0.64mm (0.025") Footprint Pitch  
**Description:**, Board-to-Board, Surface Mount, 6.35mm (0.250") Stack Height

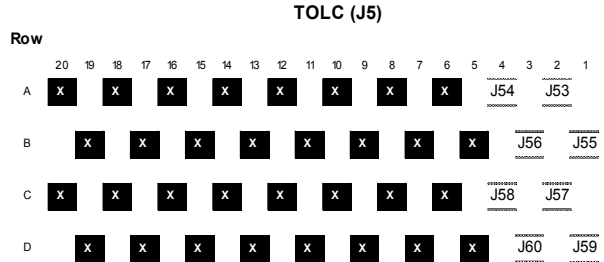
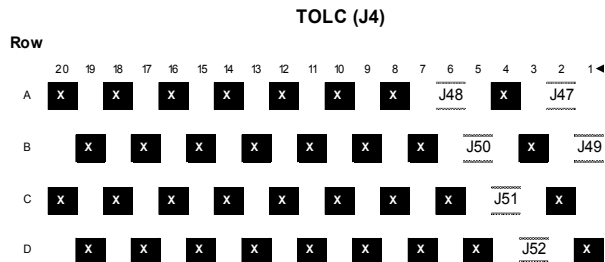
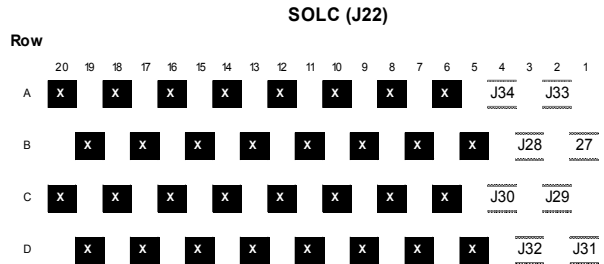
Test Parameter	Source	Victim	
<b>Insertion Loss</b>	Port1= J21-J24		<b>-3dB @ 6.32 GHz</b>
	Port 2 = J48-J50		
<b>Return Loss</b>	Port1= J21-J24		≤ -5dB to 6.32 GHz
	Port 2 = J48-J50		
<b>Near-End Crosstalk</b>	J34-J28 (DP2)	J33-J27 (DP2)	≤ -18dB to 6.32 GHz
	J21-J24 (DP1)	J25-J26 (DP1)	≤ -35dB to 6.32 GHz
	J14-J17 (SE2)	J13-J16 (SE2)	≤ -38dB to 6.32 GHz
	J34-J28 (DP2)	J30-J32 (DP2)	≤ -38dB to 6.32 GHz
	J21-J24 (DP1)	J20-J23 (DP1)	≤ -38dB to 6.32 GHz
<b>Far-End Crosstalk</b>	J34-J28 (DP2)	J53-J55 (DP2)	≤ -22dB to 6.32 GHz
	J21-J24 (DP1)	J51-J52 (DP1)	≤ -32dB to 6.32 GHz
	J14-J17 (SE2)	J41-J43 (SE2)	≤ -40dB to 6.32 GHz
	J34-J28 (DP2)	J58-J60 (DP2)	≤ -38dB to 6.32 GHz
	J21-J24 (DP1)	J47-J49 (DP1)	≤ -38dB to 6.32 GHz

Pin Map (reference Appendix C for full description of test boards)

DP1:



DP2:



**Series:** TOLC/SOLC, 1.27mm (0.050") Contact Pitch, 0.64mm (0.025") Footprint Pitch  
**Description:**, Board-to-Board, Surface Mount, 6.35mm (0.250") Stack Height

## Bandwidth Chart - Single-Ended & Differential Insertion Loss

**PCB/Connector Test System**  
**Single Ended & Differential Signal Response**  
**SOLC/TOLC Quad Row Series**

