

End Launch Connectors

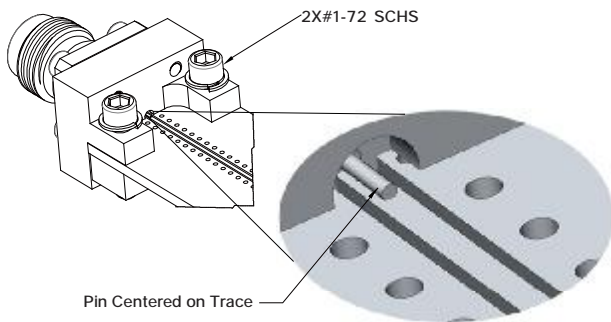
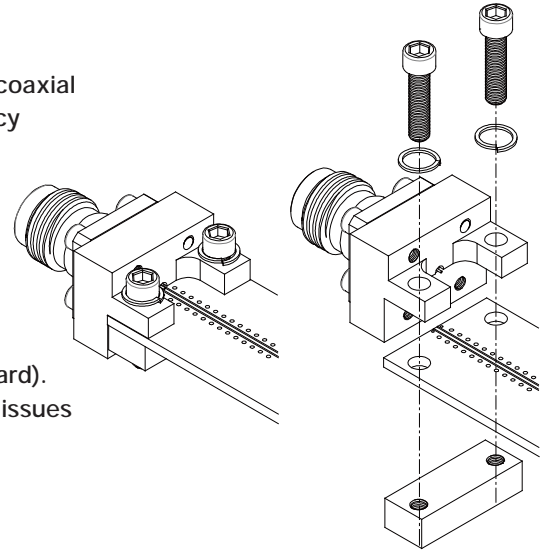


Introduction

An End Launch Connector is a coaxial connector that is used to connect a coaxial cable to a test board. These connectors are typically used for high-frequency options or where high performance is required.

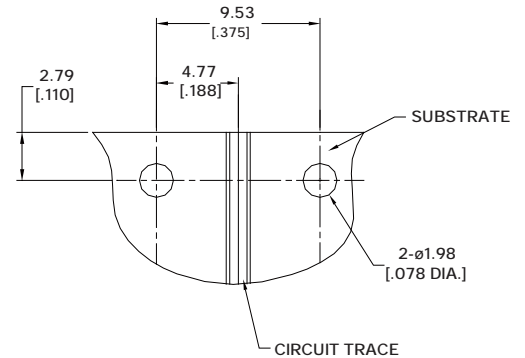
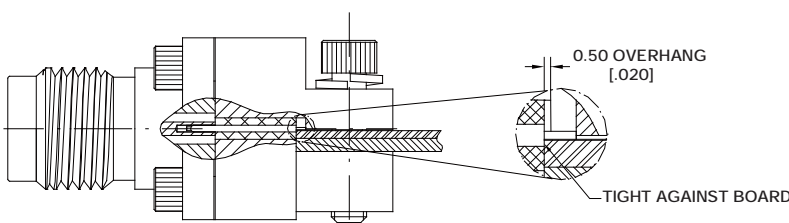
Anoison's high performance End Launch Connectors are designed to provide Low VSWR, wideband response to 110 GHz; and, are available in: SMA(27GHz), 2.92mm(40GHz), 2.40mm(50GHz), 1.85mm(67GHz) and 1mm(110GHz). Field replaceable (End Launch Connector) design means connector may be reused and no soldering is needed.

Anoison also offers test boards in two widths: .370(narrow) and .500(standard). These high-speed end launch connectors solve your performance and cost issues for high-speed digital and mmWave system development.

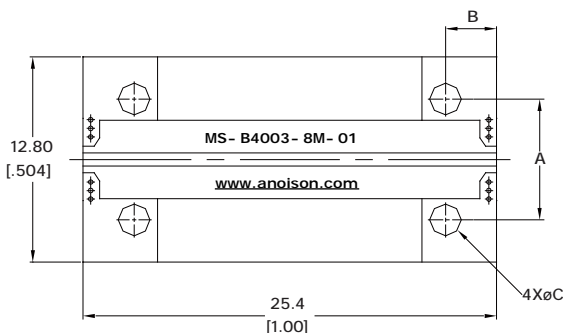


Installation Procedure

- Step 1: Mount the end launch Connector on the board in the desired position.
- Step 2: Ensure the launch pin is centered on the trace.
- Step 3: Ensure the transition block is tight against the board.
- Step 4: Tighten the 1-72 mounting screws until the connector is secured.



End Launch Test Boards



P/N	MS-B4003-8M-01	MS-B4003-8M-02
BODY WIDTH	.500(STANDARD)	.350(NARROW)
THICKNESS	.010	.010
MOUNTING HOLES	A	.375
	B	.110
	C	.078
MATERIAL	8 MIL Rogers RO4003 Dk = 3.55	

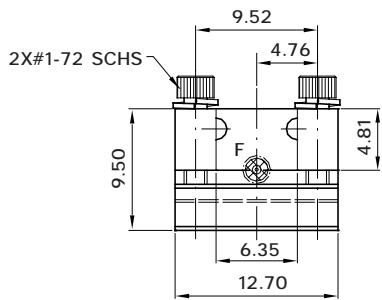
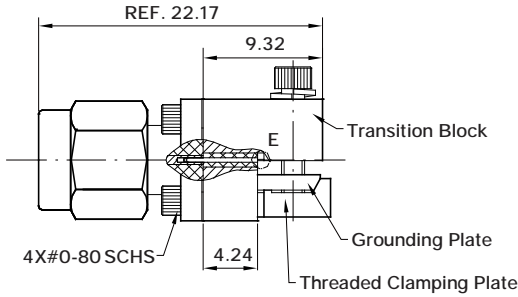
End Launch Connectors



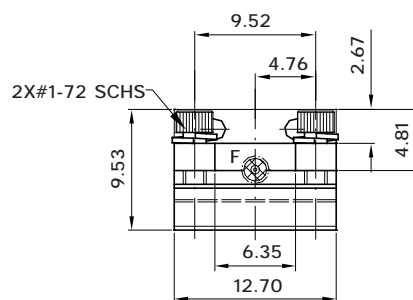
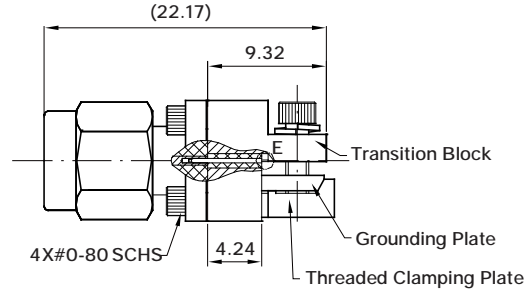
End Launch Connector Dimensions

Field Replaceable .375" Square Flange Connectors are Available in Male or Female Configurations.

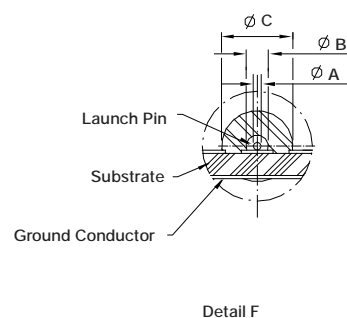
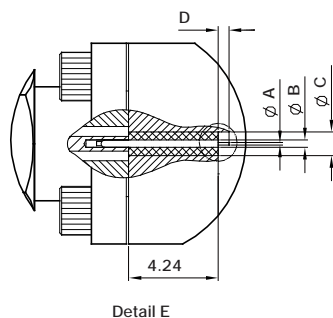
Standard Profile Connectors



Low Profile Connectors



	Standard Profile		Low Profile		A	B	C	D
	Female	Male	Female	Male				
SMA (27 GHz)	ANO 212-A1-H	ANO 211-A1-H	ANO 212-A1-L	ANO 211-A1-L	0.13	0.23	0.74	0.76
	ANO 212-A2-H	ANO 211-A2-H	ANO 212-A2-L	ANO 211-A2-L	0.18	0.31	0.99	0.76
	ANO 212-A3-H	ANO 211-A3-H	ANO 212-A3-L	ANO 211-A3-L	0.18	0.38	1.22	0.76
	ANO 212-A4-H	ANO 211-A4-H	ANO 212-A4-L	ANO 211-A4-L	0.25	0.51	1.61	1.27
2.92mm (40 GHz)	ANO 292-A1-H	ANO 291-A1-H	ANO 292-A1-L	ANO 291-A1-L	0.13	0.23	0.74	0.76
	ANO 292-A2-H	ANO 291-A2-H	ANO 292-A2-L	ANO 291-A2-L	0.18	0.31	0.99	0.76
	ANO 292-A3-H	ANO 291-A3-H	ANO 292-A3-L	ANO 291-A3-L	0.18	0.38	1.22	0.76
	ANO 292-A4-H	ANO 291-A4-H	ANO 292-A4-L	ANO 291-A4-L	0.25	0.51	1.61	1.27
2.4mm (50 GHz)	ANO 222-A1-H	ANO 221-A1-H	ANO 222-A1-L	ANO 221-A1-L	0.13	0.23	0.74	0.76
	ANO 222-A2-H	ANO 221-A2-H	ANO 222-A2-L	ANO 221-A2-L	0.18	0.31	0.99	0.76
	ANO 222-A3-H	ANO 221-A3-H	ANO 222-A3-L	ANO 221-A3-L	0.18	0.38	1.22	0.76
	ANO 222-A4-H	ANO 221-A4-H	ANO 222-A4-L	ANO 221-A4-L	0.25	0.51	1.61	1.27
1.85mm (67 GHz)	ANO 622-A1-H	ANO 621-A1-H	ANO 622-A1-L	ANO 621-A1-L	0.13	0.23	0.74	0.76
	ANO 622-A2-H	ANO 621-A2-H	ANO 622-A2-L	ANO 621-A2-L	0.18	0.31	0.99	0.76
1mm (110 GHz)			ANO 762-A1-L	ANO 761-A1-L	0.13	0.23	0.74	0.76



End Launch Connectors



Typical Test Data

Tested results for two end launch connectors on an 1 inch test board.

