

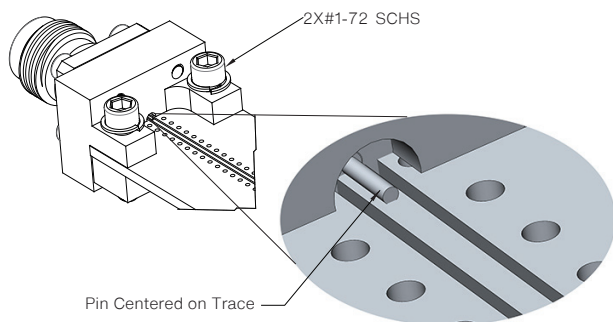
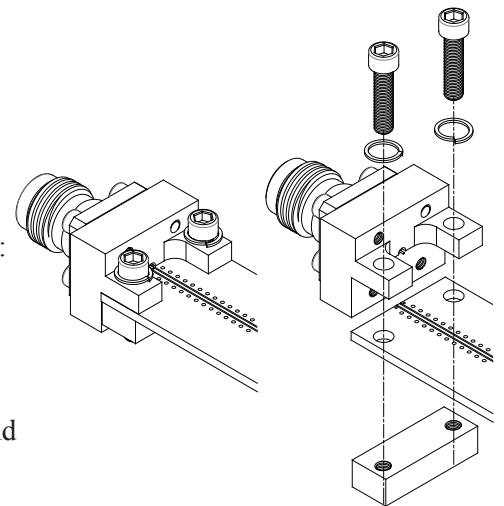
# End Launch Connectors

## 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.

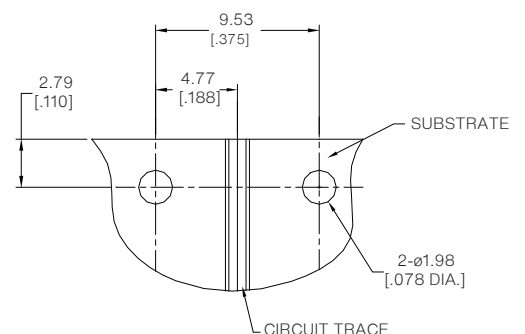
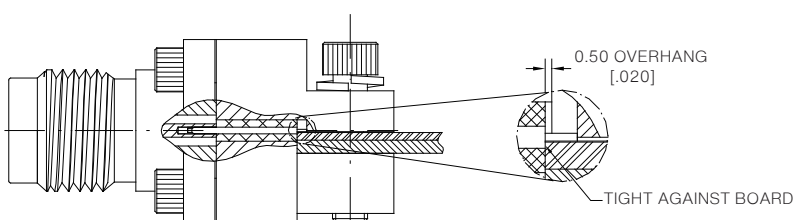
Anoison's high performance End Launch Connectors are designed to provide Low VSWR, wideband response to 110 GHz; and, are available in: SMA(27GHz), 2.92mm(40GHz), 2.40mm(50GHz), 1.85mm(67GHz) and 1mm(110GHz). Field replaceable (End Launch Connector) design means connector may be reused and no soldering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

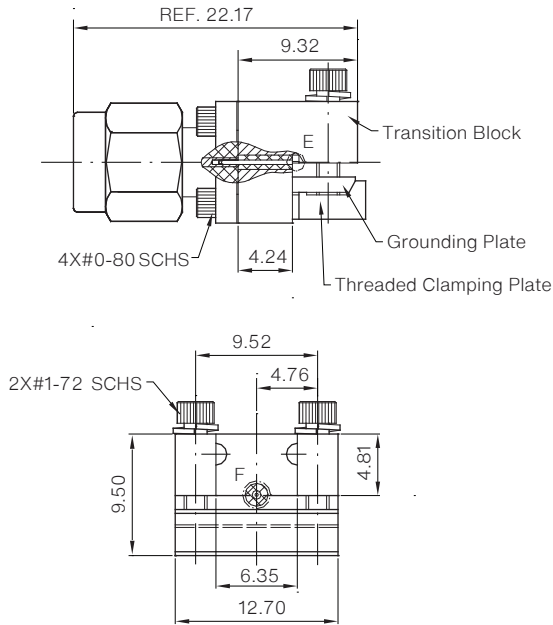
- Step 1: Mount the end launch Connector on the board in the desired position.
- Step 2: Ensure the launch pin is centered on the trace.
- Step 3: Ensure the transition block is tight against the
- Step 4: Tighten the 1-72 mounting screws until the connector is secured.



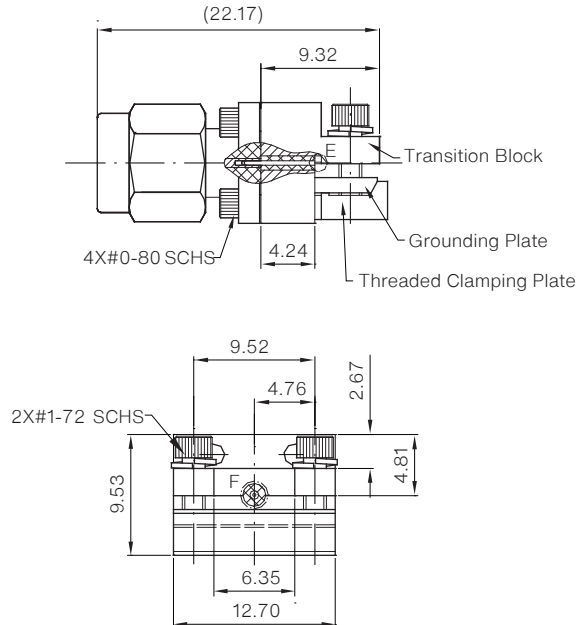
# End Launch Connector Dimensions

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

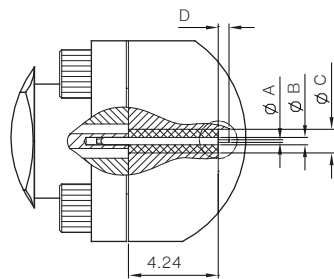
## Standard Profile Connectors



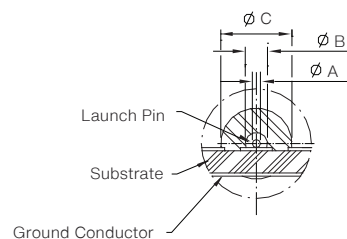
## Low Profile Connectors



	Standard Profile		Low Profile		A	B	C	D
	Female	Male	Female	Male				
<b>SMA</b> (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
<b>2.92mm</b> (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
<b>2.4mm</b> (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
<b>1.85mm</b> (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
<b>1mm</b> (110 GHz)			ANO 762-A1-L	ANO 761-A1-L	0.13	0.23	0.74	0.76

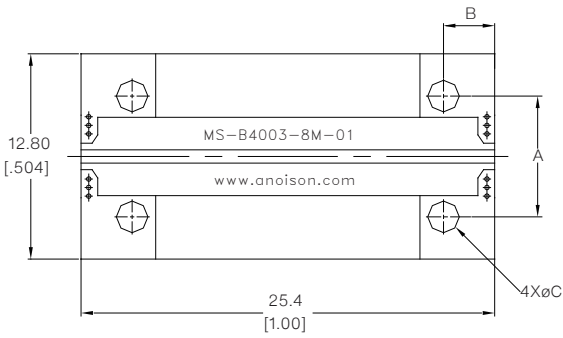


Detail E



Detail F

# 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	.230
	B	.110	.100
	C	.078	.073
MATERIAL		8 MIL Rogers RO4003 Dk = 3.55	

## Typical Test Data

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

