**Product Name:** ZX050-BYP   Passive SMA Splitter breakout adapter

Product Description: Passive SMA splitter Breakout Adapter enabling characterization, functional testing, using 50 Ω (Ohms) 35μ gold plated SMA connectors as access point. Designed in 4 layer PCBoard with improved signal integrity and crosstalk.

Ideal evaluation, bringup, and testing applications.

Available GND test point for ease of accessing inner GND layers along with top and bottom GND fills.

ZX050-BYP-PJJJJP

SMA1
SMA3   SMA5
SMA6
0.4"(10mm)
SMA2   SMA4
1.2"(30.5mm)
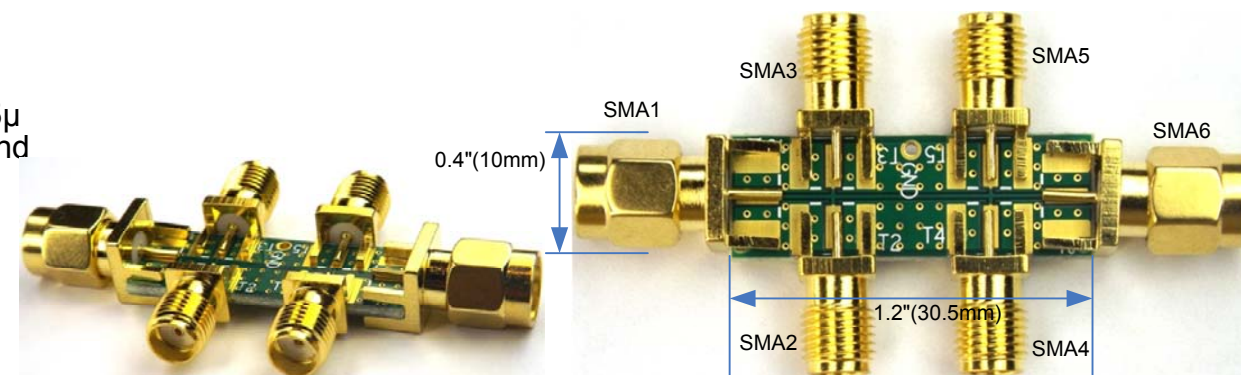
**Application:** Bringup, Characterization, testing, development, modular design evaluations

Target Application : Designed specifically as passive SMA splitter without any on-board discrete

Headers: Ground access test point (GND) - 0.025" SQ with 0.32" (5.6mm) post height

SMA:
Impedance: 50Ω
Temp Range: -65°C +165°C
Vibration: MIL-STD-202, Method 213
Frequency Range: DC – 12GHz
Working Voltage: 335V max
Withstand Voltage: 1000V rms
Center Contact: $\leq$3mΩ
Outer Contact: $\leq$2mΩ
Insulation resistance: $\geq$5000MΩ
VSWR Straight: $\leq$1.15 (0.8-2.5G)

Simplified Block Diagram:

SMA3   SMA5
GND
SMA1   SMA6
DUT
SMA2   SMA4
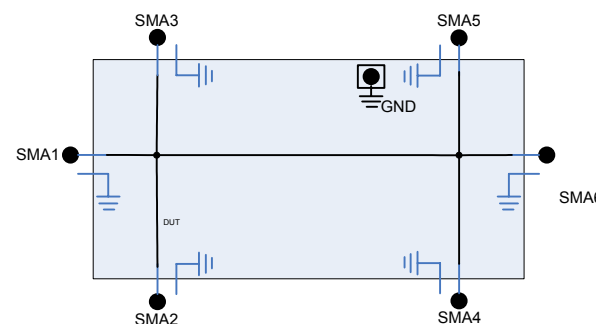
Ordering INFO:

Part Number	SMA					
	1	2	3	4	5	6
ZX050-BYP-	J	J	J	J	J	J
ZX050-BYP-	P	J	J	J	J	P
ZX050-BYP-	X	X	X	X	X	X

-XXXXXX orders, please specify the required SMA type connectors when ordering as "the instruciton" or "Note"
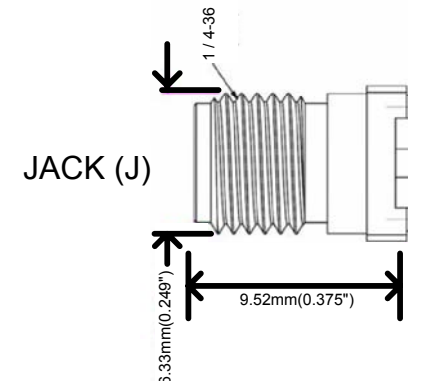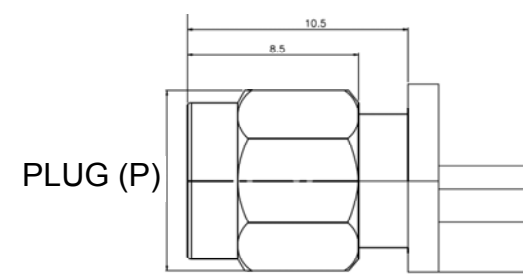
10.5
8.5
PLUG (P)

1/4-36
JACK (J)
6.33mm(0.249")
9.52mm(0.375")

ZEBAX TECHNOLOGIES
SANTA CRUZ, CA U.S.A (831) 2 2 2 – 0717
WWW.ZEBAX.COM

SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT

ASSEMBLY DRAWING

ITEM: ZX050-BYP

DESCRIPTION: Passive SMA Splitter breakout adapter

CHECKED: M. MARINA	DRAWN: SLAVIK	REVISSION: 1.0
		SHEET: 1 OF 1