

**Product Name:** ZX050-DC28 In Series, DUT, SMD breakout adapter - packages EIA 0201, 0402, 0603, 0805

**Product Description:** Breakout Adapter enabling characterization, functional testing of **ANY** of the listed surface mount devices using 50 Ω ( Ohms ) 35μ gold plated SMA connectors as access point. Designed in 4 layer PCBoard with improved signal integrity and crosstalk.

**Supported SMD Packages:**

- SMD 0201 DFN0603-2
- SMD 0402 DFN1006-2
- SMD 0603
- SMD 0805

Ideal evaluation, bringup, and testing of any discrete component such as ESD diode, Resistor, Capacitor, LED, or Diode using the above listed footprint package.

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

**Application:** Bringup, Characterization, testing, development, modular design evaluations

**Target DUT :** Designed specifically for any of the listed SMD devices with SMA connectors access

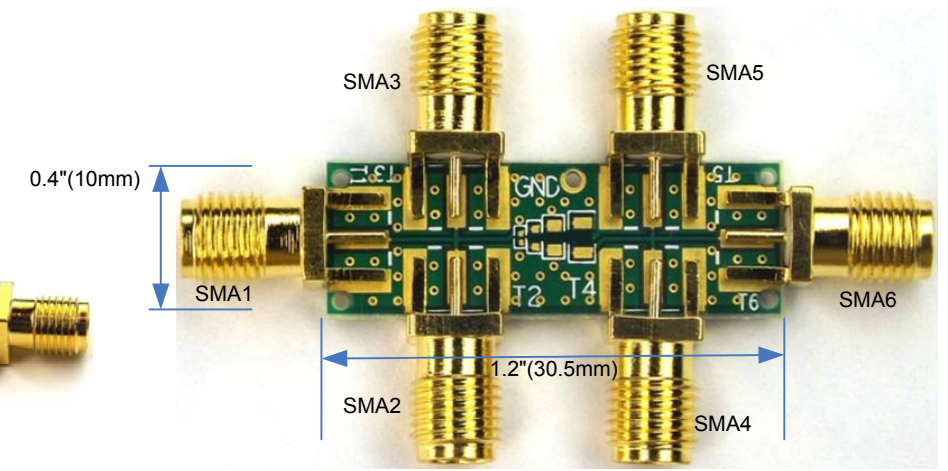
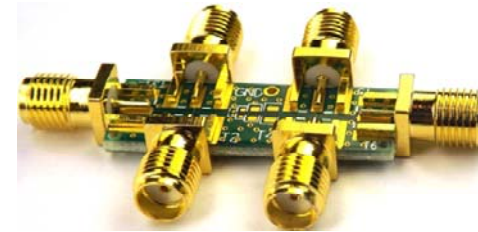
**Pitch:** Standard EIA 0201, 0402, 0603, and 0805, SMD package or equivalent

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

**DUT landing pads:** Surface Mount, 2 pin packages – EIA 0201 0402 0603 0805 or equivalent

**SMA:**

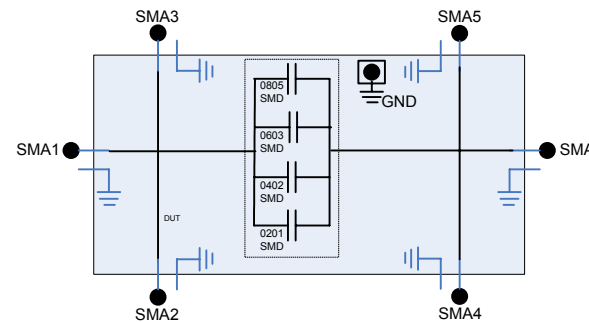
- Impedance: 50Ω
- Temp Range: -65°C +165°C
- Vibration: MIL-STD-202, Method 213
- Frequency Range: DC – 12GHz
- Working Voltage: 335V max
- Withstand Voltage: 1000V rms
- Center Contact: ≤3mΩ
- Outer Contact: ≤2mΩ
- Insulation resistance: ≥5000MΩ
- VSWR Straight: ≤1.15 ( 0.8-2.5G)



ZX050-DC28-JJJJJJ

**Simplified Block Diagram:**

NOTE: Device Under Test, DUT, is represented by capacitor's symbol in the block diagram. Any device with the listed standard package can be used instead.



**Ordering INFO:**

	SMA					
Part Number	1	2	3	4	5	6
ZX050-DC28-	J	J	J	J	J	J
ZX050-DC28-	P	J	J	J	J	P
ZX050-DC28-	X	X	X	X	X	X

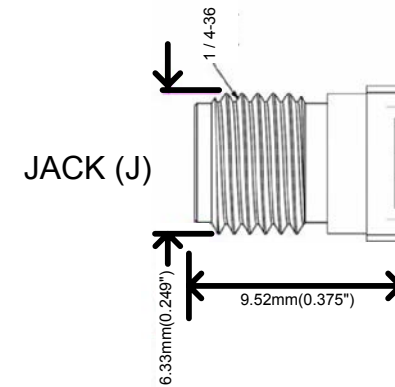
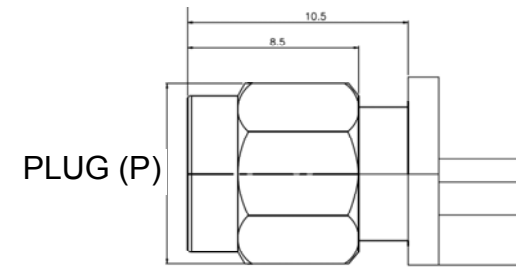
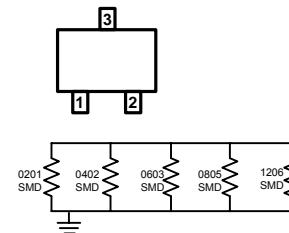
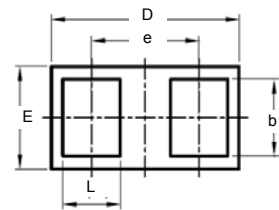
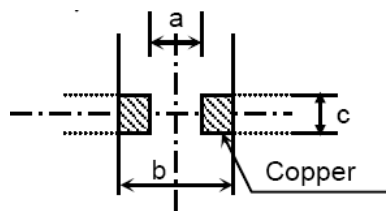
-XXXXXX orders, please specify the required SMA type connectors when ordering as "the instructor" or "Note".

NOTE: ZX050-DC28 is shipped without DUT. Zebax offers FREE DUT installation for any order. Please email for instructions

Note  
ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

DIMENSIONS ( mm )				
Case Code		a	b	c
JIS	EIA			
0603	0201	0.30	0.80	0.30
1005	0402	0.40	1.50	0.50
1608	0603	1.00	3.00	1.20
2012	0805	1.20	4.00	1.65

DIMENSIONS ( mm )					
Package		D	E	e	L
DFN0603-2	max	0.645	0.345		0.240
	Typical	0.620	0.320	0.355	0.190
	min	0.595	0.295		0.140
DFN1006-2	max	1.000	0.550		0.300
	Typical	0.545	0.500	0.650	0.250
	min	0.520	0.450		0.200



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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT		ASSEMBLY DRAWING ITEM: ZX050-DC28
DESCRIPTION: EIA 0201 402 0603 0805 breakout adapter SMA		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1