Product Name: ZX050-DFN1006(SOD882) DFN1006 (SOD882) breakout adapter SMA

Product Description: DFN1006 (SOD882) Breakout Adapter enabling characterization, functional testing of ANY DFN1006 (SOD882) packaged device 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 of any discrete component such as ESD diode using DFN1006 (SOD882) 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 DFN1006 (SOD882) SMD device with SMA connector access

Pitch: Standard DFN1006 (SOD882) SMD package or equivalent

Headers: Ground access test point (GND) - 0.025" SQ with 0.32" (5.6mm) post height
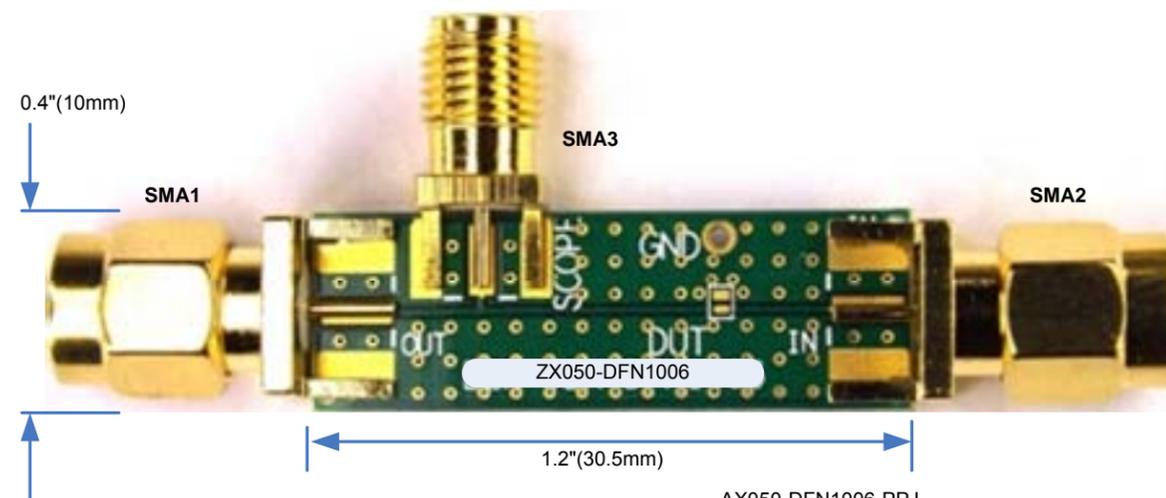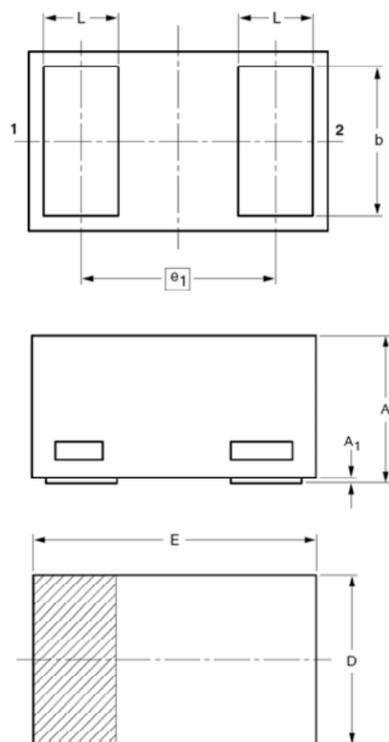
DUT landing pads: Leadless ultra small package – 2 terminal – Body 1.0x0.6x0.5mm (Length Width Height) or equivalent
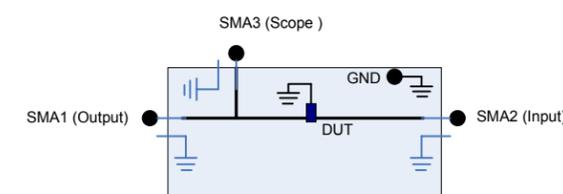

0.4"(10mm)

SMA1   SMA3   SMA2

ZX050-DFN1006

1.2"(30.5mm)

AX050-DFN1006-PPJ

DIMENTIONS (mm)

UNIT	A(1)	A1(Max)	b	D	E	e1	L
mm	0.50		0.55	0.62	1.02	0.65	0.30
	0.46		0.47	0.55	0.95		0.22

OUTLINE Version	REFERENCES			
	IEC	JEDEC	JEITA	
SOD882				

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
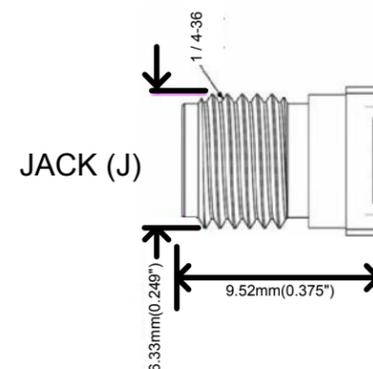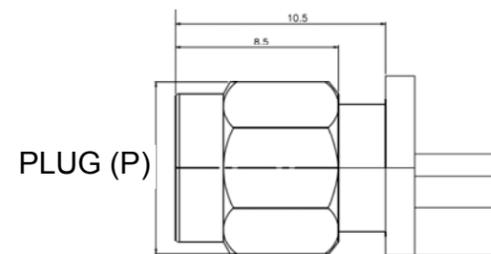VSWR Straight: ≤1.15 (0.8-2.5G)

Simplified Block Diagram:

SMA3 (Scope)
GND
SMA1 (Output)   SMA2 (Input)
DUT

PLUG (P)

10.5
8.5

JACK (J)

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

Ordering INFO: SMA
Part Number   1 2 3
ZX050-DFN1006-J J J
ZX050-DFN1006-P P J
ZX050-DFN1006-X X X

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

NOTE: ZX050-DFN1006 is shipped without DUT.
Zebax offers FREE DUT installation for any order.
Please email for instruciotns

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

L   L
1   2   b
e1
A
A1
E
D

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-DFN1006(SOD882)

DESCRIPTION: DFN1006 (SOD882)breakout adapter SMA

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