

**Product Name:** ZX050-2S2H SMA to Pin Header / Socket breakout adapter for applications of single or differential signaling

**Product Description:** Passive SMA to Pin header / socket breakout adapter enabling characterization, testing of any single ended or differential signals using differential or single scope probe. Designed with 50 Ω ( Ohms ) trace impedance and 35μ gold plated SMA connectors using 4 layer PCBoard with improved signal integrity.

**PCB+SMA Total insertion loss < 0.3dB across DC to 10GHz**

Insertion loss varies based on the type of applied 2 pin header / socket interface due to system dependencies

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

**Application:** Electrical test and measurements converting SMA output signals to single or differential probe

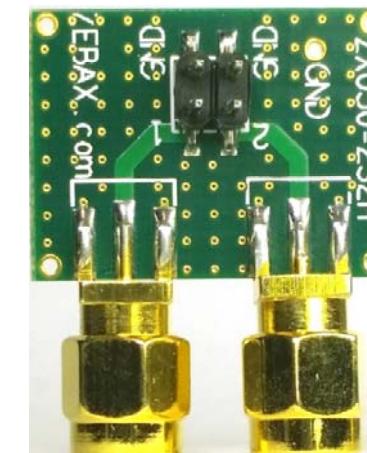
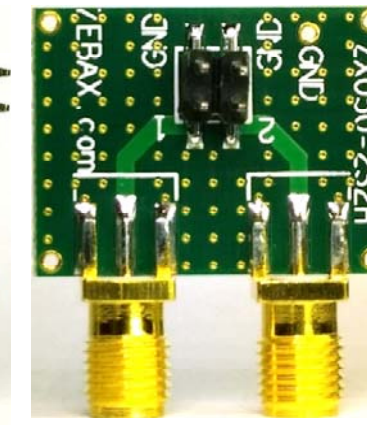
**Mates with :** **SMA connectors** mates with standard SMA cable assembly , please see ordering information

**Pin headers** 0.025" (0.63mm ) SQ pin with post header length 0.23" ( 5.83mm )

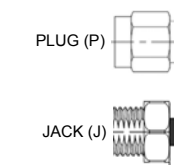
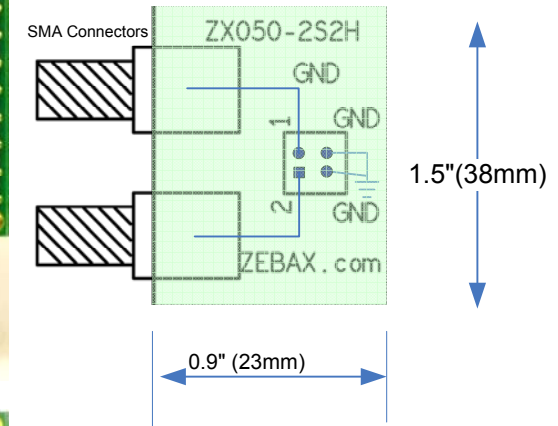
**Socket** SSW-1-G-S-RA 0.1" (0.254mm ) pitch , mating Header 0.025" (0.63mm ) SQ / round post ( header )



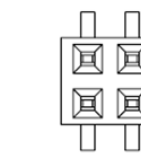
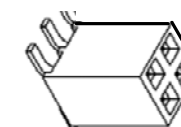
Module: ZX050-2S2H-H-J



Module: ZX050-2S2H-H-P



2x2 Socket



Ordering INFO:

Part Number

ZX050-2S2H-X-X

SMA connector type

J : SMA Jack ( male , Standard)

P : SMA plug ( female )

H : 2x2 pin header ( Standard)

S : 2x2 Socket ( 30u" gold plating)

N : No header/Socket- Access to Landing pads only.

Note

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

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WWW.ZEBAX.COM

SPECIFIED DIMENSIONS  
ARE INCHES (MM).  
ROHS COMPLIANT

ASSEMBLY DRAWING

ITEM: ZX050-2S2H

DESCRIPTION: **Passive SMA to pin header adapter – single or differential signaling**

CHECKED:  
M. MARINA

DRAWN:  
SLAVIK

REVISION: **1.0**  
SHEET: **1 OF 1**

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