

Low cost, high performance test points and microwave cable adaptors

- Eliminate costly high performance SMA connectors from boards
- SMA performance for 10% of the cost
- 20 GHz rated
- Compression interface to the board
- Ganged (8) and array configurations in development
- Bayonet mechanical latch for easy on/off
- Probe cable adaptor connects to existing instrument cables via SMA termination
- Test boards available for performance verification; contact rf@samtec.com

IN DEVELOPMENT

4:1 density vs. SMA and 1:1 density to SMP at 10% of the cost, plus eliminates mating and de-mating problems

Field reconfigurable or replaceable

Single port or multi port

BullsEye™ TEST POINT SYSTEM

Dielectric

Probe Point (Bottom view; conductive elastomer removed for clarity)

Anti-rotation keys

25 AWG microwave cable

Push/twist latch for easy on/off

Slot for bayonet/compression interface

1/4 turn for easy termination (vs. SMA)

Solderless Termination to PCB

DUT

Connect to existing instrument cables via SMA

Low cost plastic housing replaces expensive machined metal interfaces

Fluorosilicone-based conductive elastomer provides excellent grounding

Compression spring for tolerance variations

Low loss microwave coax cable

Braided shield, max flexibility and isolation

Round tip for higher cycles

Bayonet mechanical latch for quick press-and-twist locking

Air-enhanced dielectric

Extensive surface area of the ground ferrule helps maintain compression and aids in signal stability

FEP jacket for durability and high temp rating (200° C)

25 AWG silver plated copper conductor

CABLE ATTENUATION (dB/0.25m)	
1 GHz	0.3
12 GHz	1.47
18 GHz	1.44
20 GHz	1.48

