

BE40A SERIES INSTALLATION

50 GHz, Bulls Eye® Test Assembly

Ideal for high-performance test applications to 50 GHz.
To achieve these product advantages, it's important to properly install Bulls Eye® to the board.

BULLSEYE®
TEST POINT SYSTEM

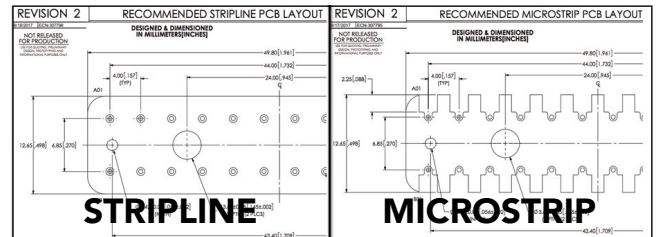
BE40A

INSTALLATION

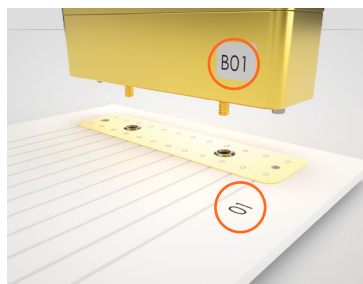
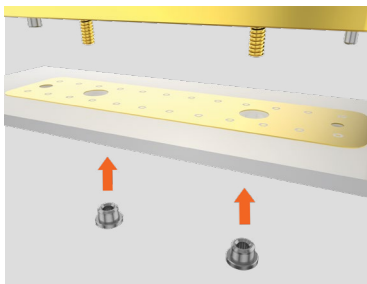
FULL ASSEMBLY TO BOARD

Confirm Footprint / Specifications samtec.com?BE40A

1. Signal vias are back-drilled
2. PCB pads are hard gold
3. 50 GHz, 23 AWG microwave cable works in your application
4. Stiffener plate: Recommended for PCB thicknesses < .093"



Board Attached



Press-fit Nuts

1. Unthread the two nuts from the assembly
2. Press-fit the two nuts into the hardware holes on the bottom side of the PCB

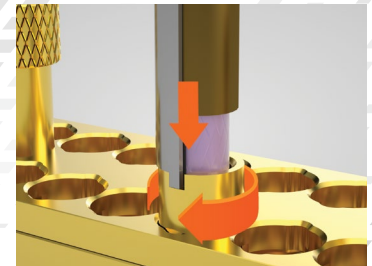
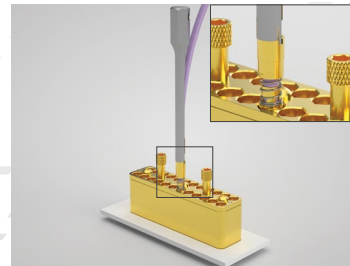
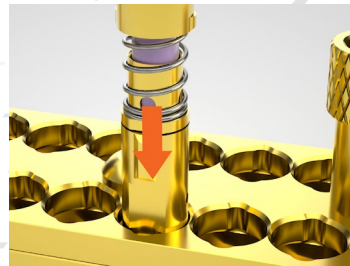
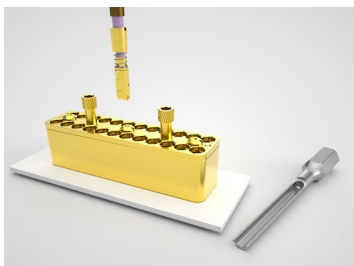
Match Pin 1 Indicators

3. Orient the cable assembly so the Pin 1 indicator on the board and cable match

Tighten Gradually

4. Gradually tighten, alternating between each thumbscrew
5. Torque: 2 in-lbs.

SINGLE CABLE TO BLOCK



To Install

- You will need the supplied tool
- Tool P/N: CAT-EX-SCC-03

Align, Insert Cable

1. Align keying on cable and block
2. Insert cable

Insert Tool

3. Insert tool into notch
4. Make sure notch is parallel to long edge of block

Push Down - Rotate 90°

5. Push down to compress the spring and rotate 90°
6. Cable is locked when notch is facing long edge of block

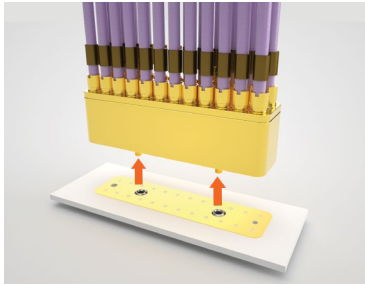
REMOVAL

REMOVING FULL ASSEMBLY



Loosen Thumbscrews

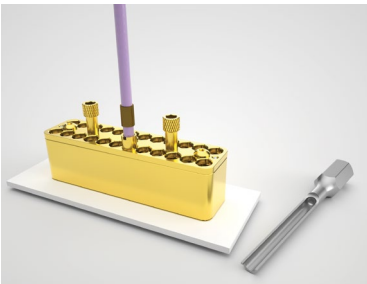
1. Loosen the thumbscrews, alternating between each thumbscrew



Lift Off PCB

2. Carefully lift the assembly off the PCB

REMOVING INDIVIDUAL CABLES



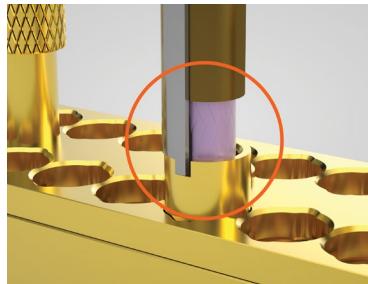
To Remove

- You will need the supplied tool
- Tool P/N: CAT-EX-SCC-03

Replacement components:

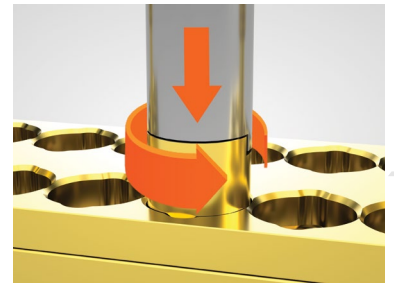
Contact Samtec for replacement components:

- Block: BE40B Series (samtec.com?BE40B)
- Cable: BE40C Series (samtec.com?BE40C)



Insert Tool

1. Insert tool into notch



Push Down - Rotate 90°

2. Push down to compress the internal spring then rotate 90°
3. Release the insertion tool

Contact RFGroup@samtec.com for assistance.

There are a variety of series within Samtec's BullsEye® product family. While the installation/removal process for these are similar, each have unique specifications that need to be observed.



samtec.com/BullsEye