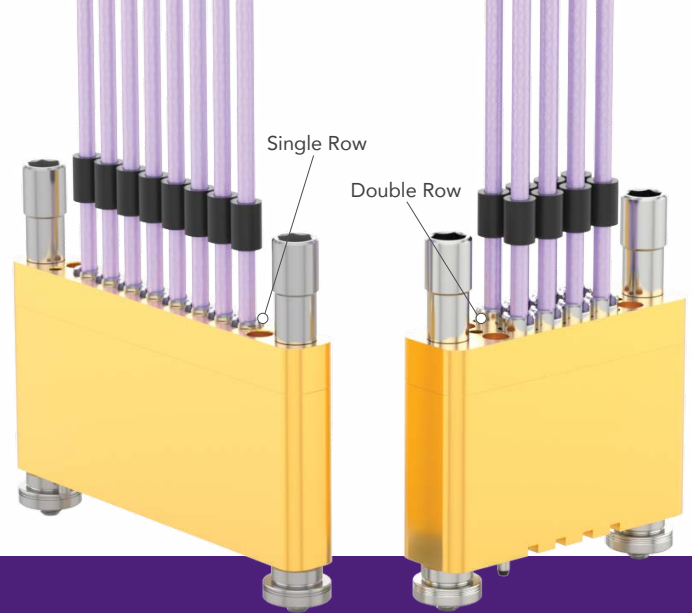


BE90A SERIES

Installation & Removal

Installation and removal is the same for both single and double row. Microstrip and stripline versions are available.



INSTALLATION

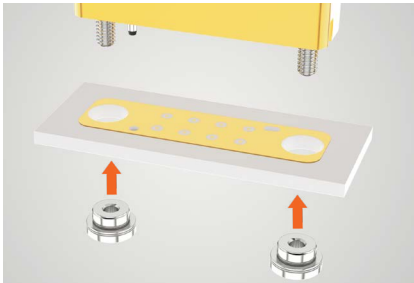
INSTALLING FULL ASSEMBLY

First Confirm Footprint & Specifications

1. Locate footprint under the prints tab at samtec.com?BE90A
2. Plating to be .000030 inches gold with a hardness of 130-200 Knoop per ASTM B 488 Type 2, Grade C
3. Backdrill signal vias for optimum performance
4. No solder mask permitted within connector housing outline
5. Only filled via-in-pad plated-through-hole allowed
6. Recommended PCB thickness: .06 inch - .16 inch
7. For boards < .092 inch thick, a stiffener plate is recommended

Then, continue with board attach.

Board Attach



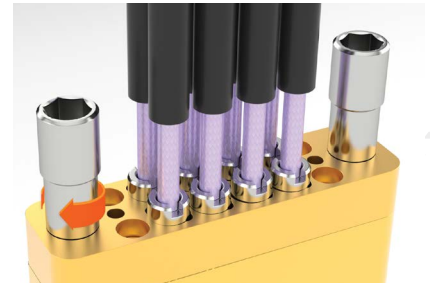
Press-fit Nuts*

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 screw
5. Tighten to 2.0 ~ 2.5 in-lbs.
6. Optional locking tool available

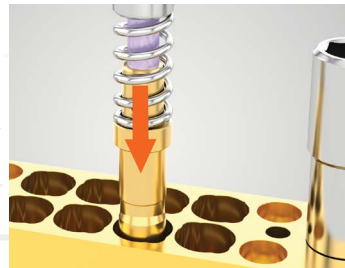
* If using a backing plate, nuts are not required.

INSTALLING CABLE TO BLOCK



To Install

- You will need the supplied tool
- Tool P/N: CAT-EX-SCC-04



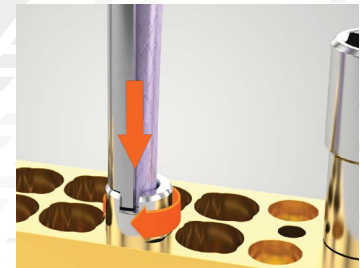
Align, Insert Cable

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

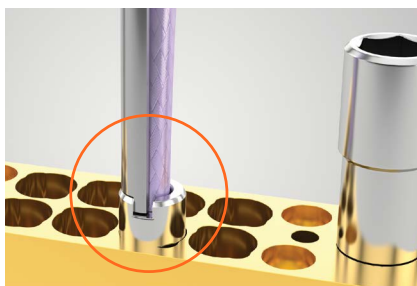
2. Carefully lift the assembly off the PCB

REMOVING CABLE FROM BLOCK



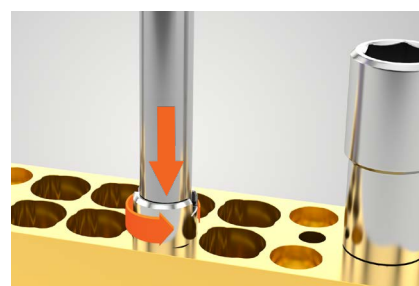
To Remove

- You will need the supplied tool
- Tool P/N: CAT-EX-SCC-04



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

Replacement block and cable:

Contact Samtec if replacements are needed.

- 90 GHz Block: BE90B Series
- 90 GHz Cable: BE90C Series

Contact RFGroup@samtec.com for assistance.

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



samtec.com/BullsEye