



V Connector Microstrip to V Female Flange Mount Connector Part Number V103F-012

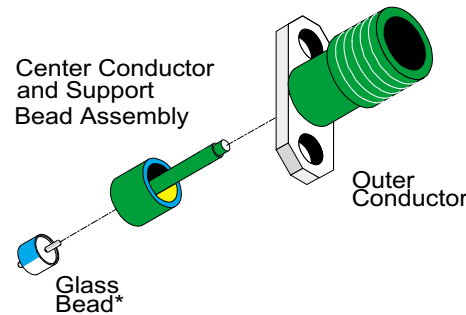


Figure 1. Female Flange Mount Connectors, Unassembled

1. Tools And Materials

No special tools or material are required for installation of the V103F-012 Flange Mount Connector.

2. Machining Dimensions

Machining dimensions for the mounting hole required for installation of the microstrip to V female sparkplug connector are provided in Figure 3 on the reverse side of this page.

3. Installation Instructions

Installation instructions for the flange-mount connector are given below. Figures 1 and 2 identify the connector parts.

- a. The V103F-012 uses shims to precisely set the pin depth. If your V103F-012 is supplied with shims:
 - (1) Remove the center conductor and support bead assembly.
 - (2) Insert all shims.
 - (3) Reinsert the center conductor and support bead assembly.

- b. Install V103F-012 outer conductor onto housing, making sure that center conductor mates properly with V103F-012 center pin. Secure outer conductor with two 2-56 inch (2.2 mm) screws. When tightening screws, use care to keep flanges parallel to housing.

NOTE

Flanges may not be flush with housing after installation. This does not degrade connector performance. Be careful, however, not to overtighten.

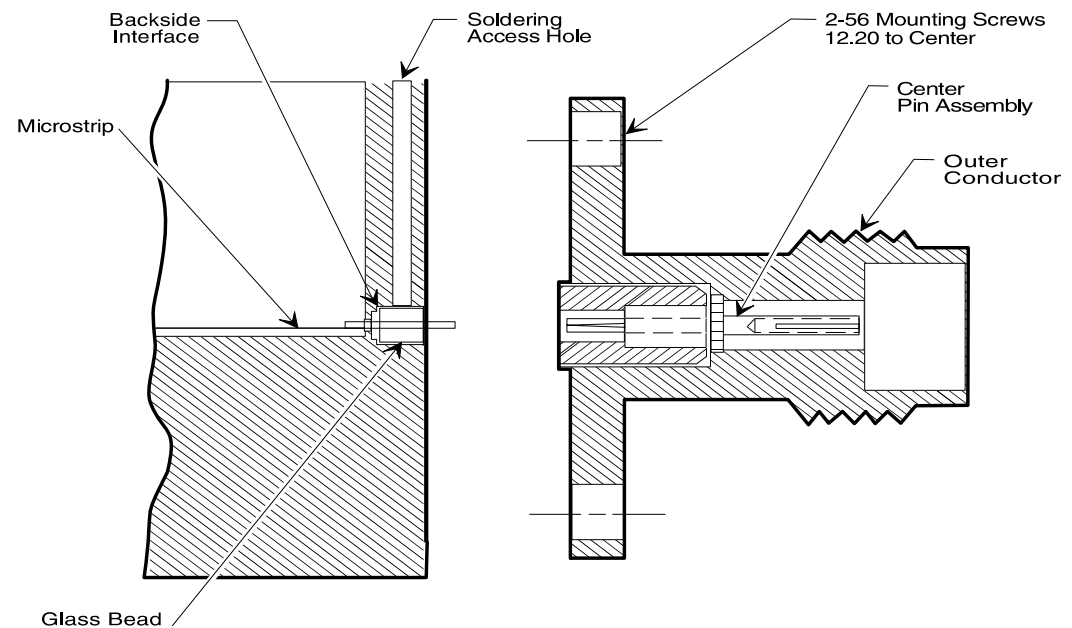


Figure 2. Flange Mount Assembly

V Connector is a trademark of Anritsu Company.

* Glass bead not supplied.

NOTES.

1. ALL DIMENSIONS ARE IN mm.
2. THE CONCENTRICITY OF THE 1.676 AND 1.981 HOLES TO THE 0.711 DIA HOLE IS CRITICAL AND MUST BE HELD WITHIN $\pm 0.038\text{mm}$.
3. WITH THE MODEL 01-104 OR 01-108 STEP DRILL KITS, ALL OF THE REQUIRED CONCENTRIC HOLES CAN BE MACHINED AT THE SAME TIME USING A SINGLE BIT.
4. THE ORIENTATIONS OF THE FLANGES AND TAPPED MOUNTING-SCREW HOLES ARE FOR INFORMATION ONLY. IN PRACTICE, THE FLANGES SHOULD BE ROTATED 45 DEGREES AND THE HOLES DRILLED AND TAPPED AT THE 2 O'CLOCK AND 8 O'CLOCK POSITIONS.

* DIMENSION IS 0.152 (PIN RADIUS)
+ SUBSTRATE
+ SOLDER THICKNESS

** DIMENSION IS $0.889 \pm 0.050\text{mm}$ IF SLIDING CONTACTS ARE USED.

*** DIMENSION IS $0.838 \pm 0.025\text{mm}$ IF SLIDING CONTACTS ARE USED.

DIMENSION IS $1.575 \pm 0.050\text{mm}$ IF SLIDING CONTACTS ARE USED.

DIMENSION IS $2.311 \pm 0.050\text{mm}$ IF SLIDING CONTACTS ARE USED.

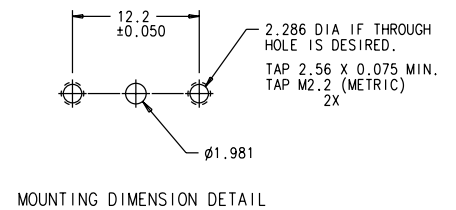
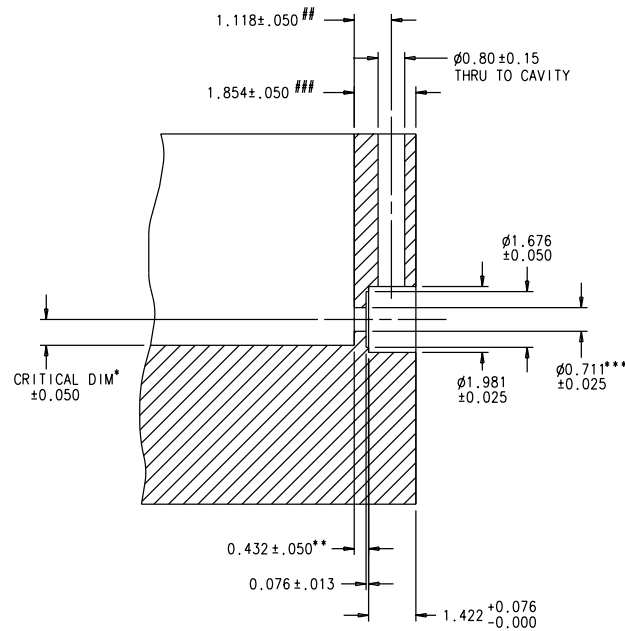


Figure 3. Dimensions for V103F-012 Mounting Hole

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Teflon is a registered trademark of E.I. Du Pont De Nemours and Company.

* Glass bead not supplied—Anritsu Part No. V100 or V100B.

Part Number: 10300-00040

Revision: A, Printed: September 2005

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Anritsu

490 Jarvis Drive
Morgan Hill, California 95037-2809

