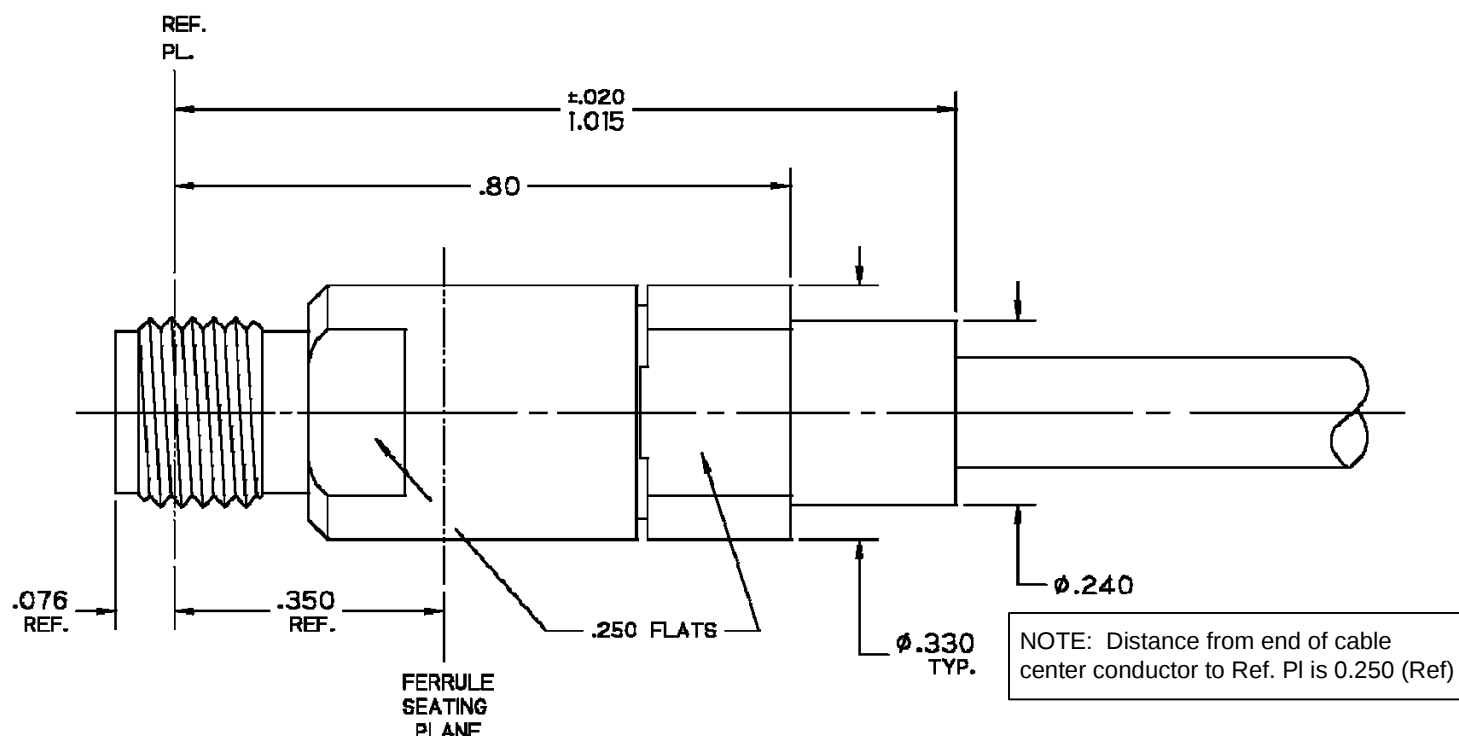




## 2.92mm Jack Solder Clamp for IW1501 Cable



### NOTES:

#### 1.0 Materials

- 1.1 Body and Clamp Nut: Steel. Corrosion Resistant per ASTM-A582. UNS No. S30300.
- 1.2 Center Conductor: Beryllium Copper per ASTM-B196. UNS C17300.
- 1.3 Solder Ferrule: Brass per ASTM-B16. UNS C36000.
- 1.4 O-Ring: Silicone Rubber per A-A-59588.
- 1.5 Dielectric Bead: Polychlorotrifluoroethylene (PCTFE) per ASTM-D1430-95. (KEL-F)

#### 2.0 Finishes

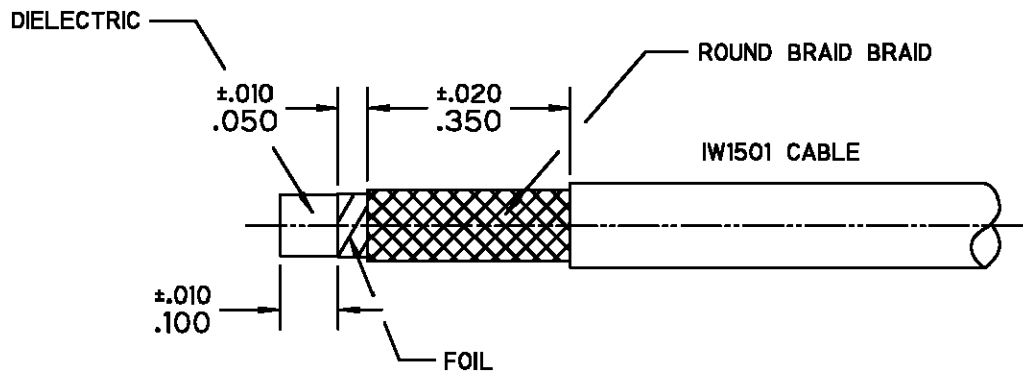
- 2.1 Center Contact and Solder Ferrule: Gold Plate per ASTM-B488 50 Microinches Min. thickness over Electrolytic Nickel Plate per ASTM-B689 50 Microinches Min. thickness.
- 2.2 Body and Clamp Nut: Passivated per SAE-AMS-2700.
- 2.3 O-Ring and Dielectric Bead: None.

- 3.0 Interface: 2.92mm Socket per CC-2.92mm-SOC. (Meets IEEE-STD-P287. Figure G.4. Except conductor tolerances and contact recession).

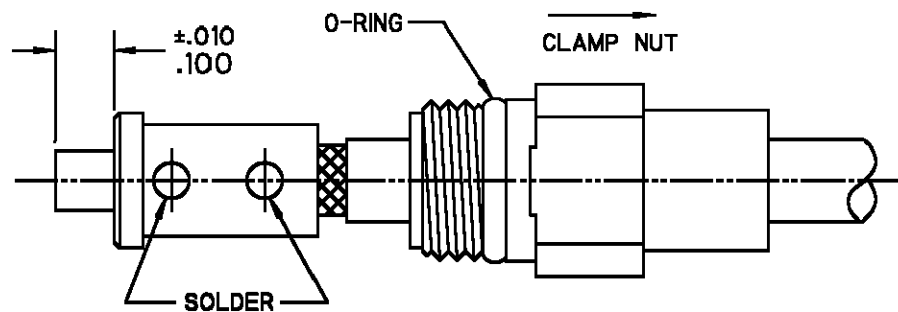




## 2.92mm Jack Solder Clamp for IW1501 Cable

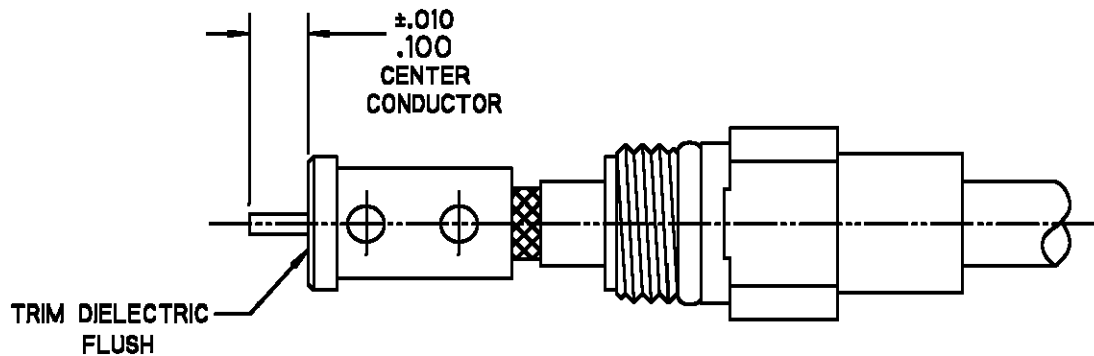


Step 1 1.1 Trim Cable as shown.



2.1 Install O-ring onto clamp nut where shown and slide clamp nut over cable in orientation shown.

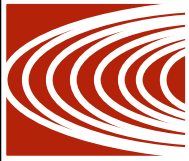
Step 2 2.2 Insert cable into solder ferrule until seated and solder to cable braids where shown.



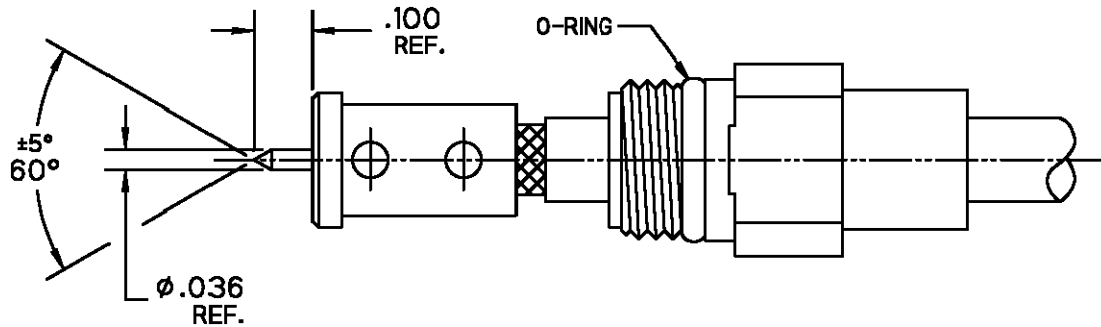
3.1 Trim dielectric flush with seating surface of solder ferrule.

Step 3 3.2 Verify center conductor dimension shown from ferrule seating surface.

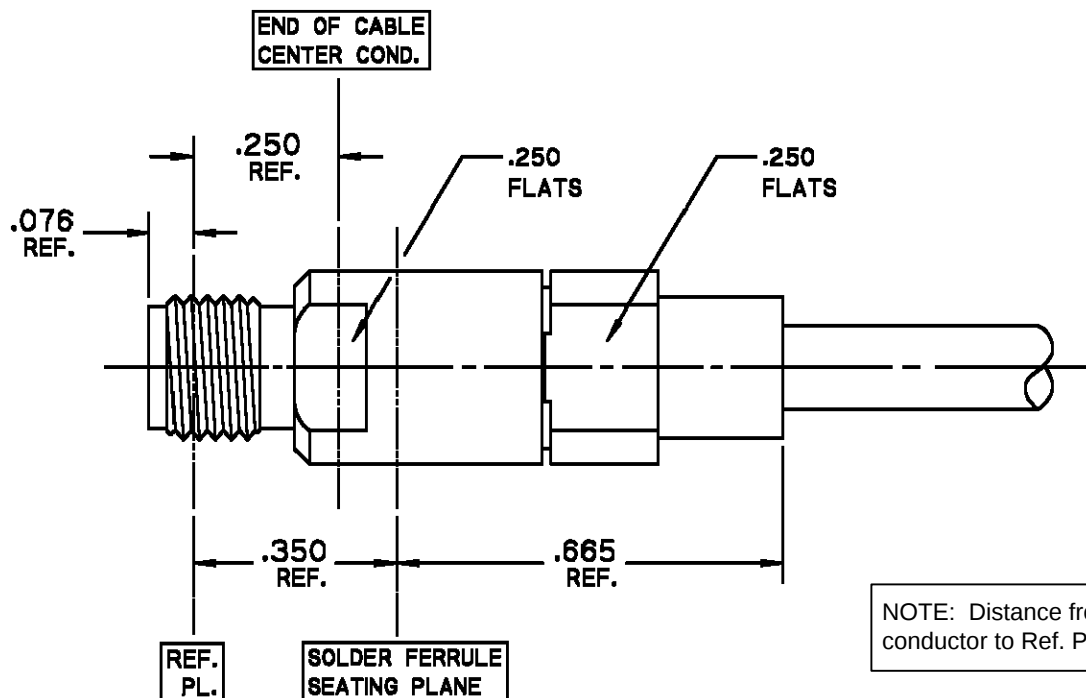




## 2.92mm Jack Solder Clamp for IW1501 Cable



Step 4 4.1 Point cable center conductor as shown.



Step 5 5.1 Insert cable sub-assembly into connector until seated and tighten clamp nut to 25-35 in-lbs.

**Product Control:**

|                      |           |               |               |
|----------------------|-----------|---------------|---------------|
| Crystek Part Number: | CS-FF-MJB | Release Date: | 04-Jan-11     |
| Revision Level:      | A         | Responsible:  | K. Piotrowicz |

