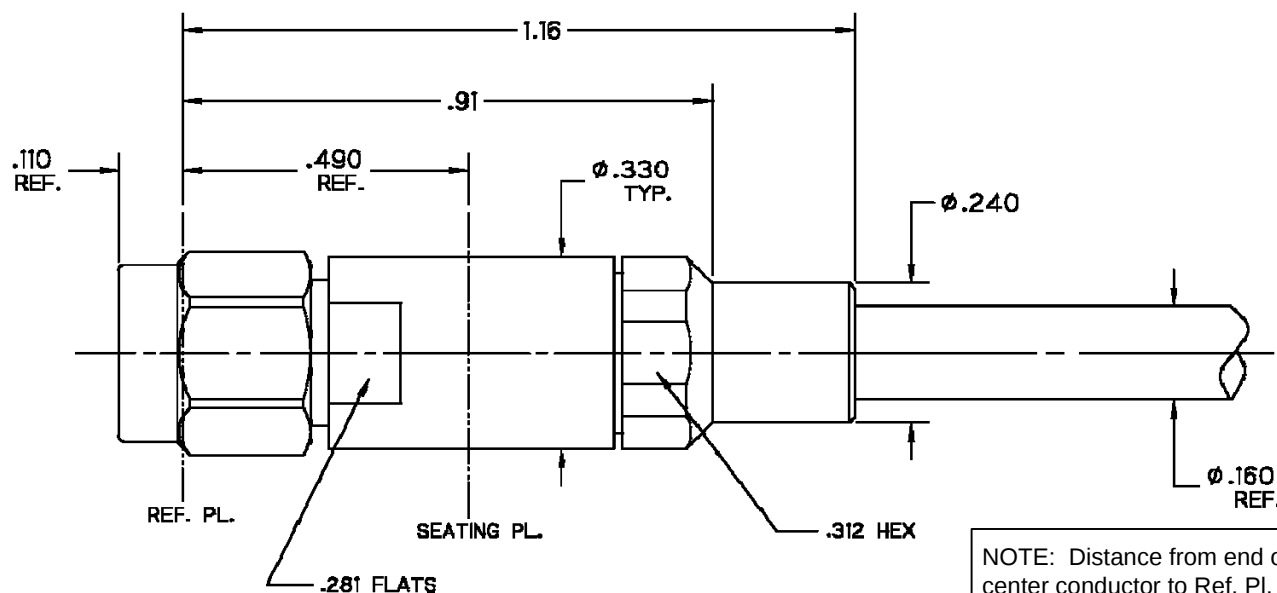




SMA Plug, Solder Clamp for Semflex HP160 Cable



NOTES:

1.0 Materials

- 1.1 Body, Coupling, and Clamp Nuts: 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 Lock Ring: Beryllium Copper per ASTM-B197. UNS C17200.
- 1.5 Gasket and O-Ring: Silicone Rubber per A-A-59588.
- 1.6 Insulators: PTFE Fluorocarbon per ASTM-D1710.
- 1.7 Dielectric Bead(s): Polyetherimide Thermoplastic (ULTEM 1000) per ASTM-D5205.

2.0 Finishes

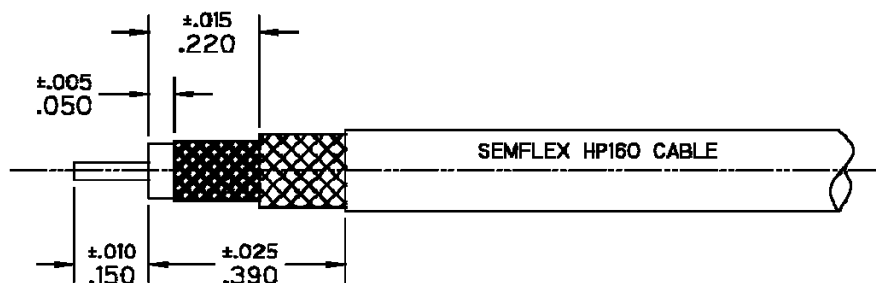
- 2.1 Center Contact and Solder Ferrule: Gold Plate per ASTM-B488 50 Microinches Min. thickness over Electrolytic Nickel Plate per ASTM-B689 50 Microinches Min. thickness.
- 2.2 Body, Coupling, and Clamp Nuts: Passivated per SAE-AMS-2700.
- 2.3 Gasket, Lock Ring, and Dielectrics: None.

3.0 Interface: Type SMA Plug per Crystek Interface Specification CC-SMAP (Meets MIL-STD-348. Figure 310-1).

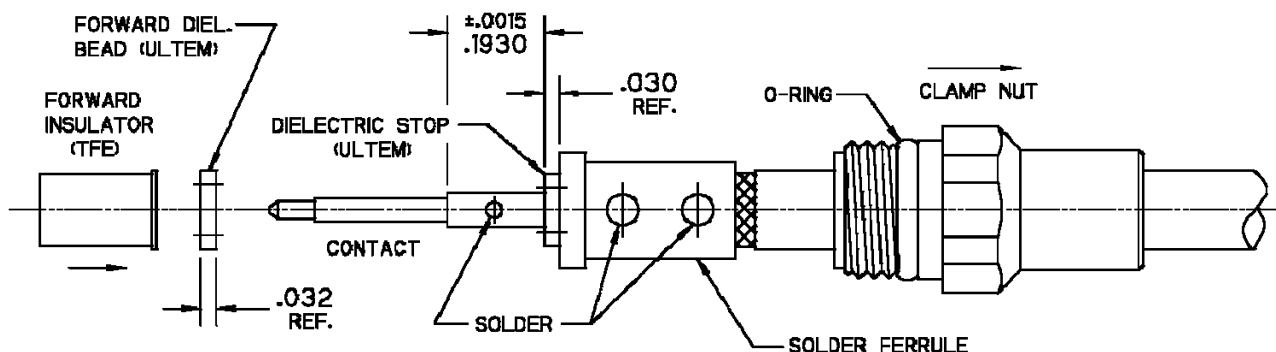




SMA Plug, Solder Clamp for Semflex HP160 Cable

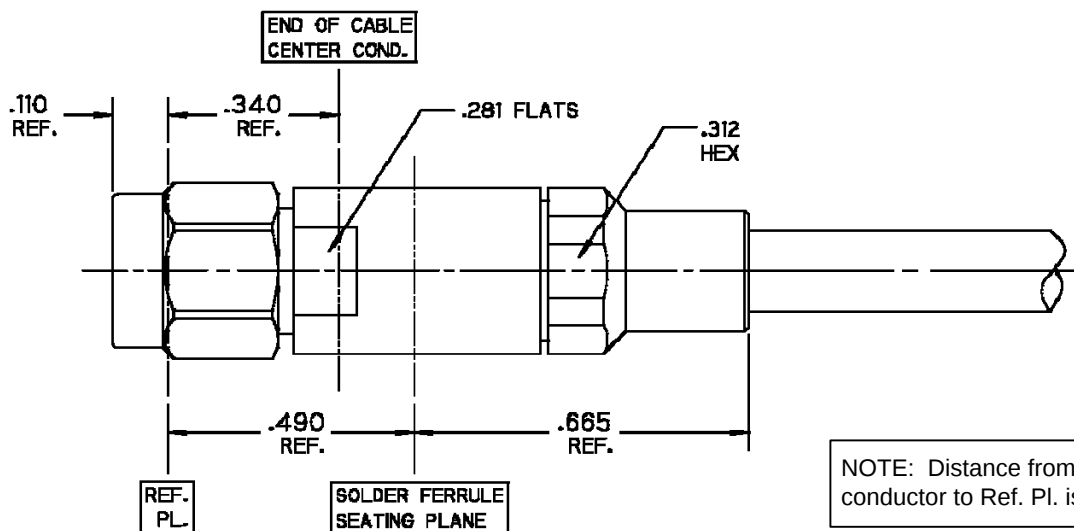


Step 1 1.1 Trim Cable as shown.



- 2.1 Slide clamp nut over cable as shown.
- 2.2 Solder cable to solder ferrule with dielectric flush with face of ferrule.
- 2.3 Slide dielectric stop (Ø 0.140 OD) over cable center conductor and solder contact flush to stop to dimension shown.
- 2.4 Slide forward insulator and dielectric bead (Ø 0.158 OD) onto contact.

Step 2 2.4 Slide forward insulator and dielectric bead (Ø 0.158 OD) onto contact.



NOTE: Distance from end of cable center conductor to Ref. Pl. is 0.340 (Ref)

Step 3 3.1 Insert cable/contact sub-assembly into connector until seated and tighten clamp nut to 25-35 in-lbs.

Product Control:

Crystek Part Number:	CS-SM-MSB	Release Date:	04-Jan-11
Revision Level:	A	Responsible:	K. Piotrowicz



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