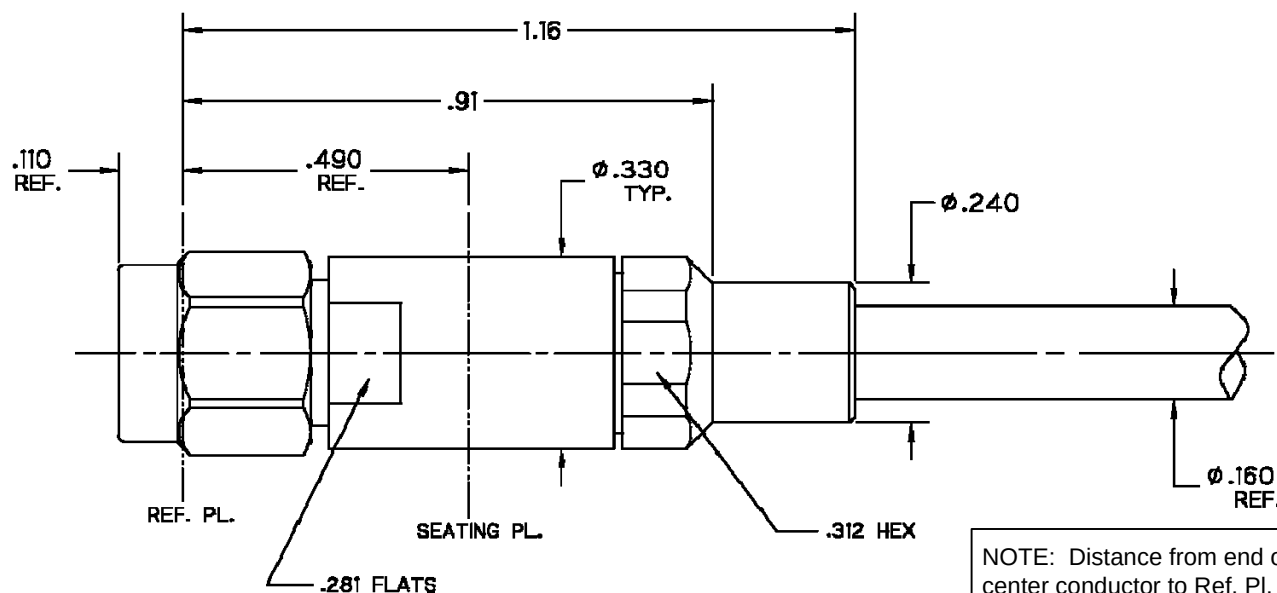


SMA Plug, Solder Clamp for Semflex HP160 Cable



NOTES:

1.0 Materials

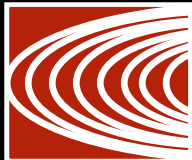
- 1.1 Body, Coupling, and Clamp Nuts: Steel. Corrosion Resistant per ASTM-A582.
UNS No. S30300.
- 1.2 Center Conductor: Beryllium Copper per ASTM-B196. UNS C17300.
- 1.3 Solder Ferrule: Brass per ASTM-B16. UNS C36000.
- 1.4 Lock Ring: Beryllium Copper per ASTM-B197. UNS C17200.
- 1.5 Gasket and O-Ring: 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

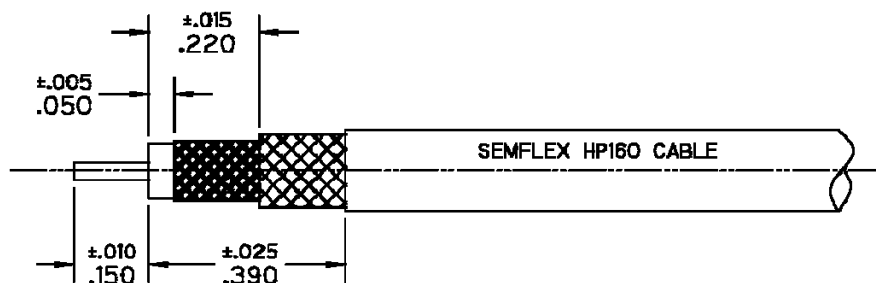
- 2.1 Center Contact and Solder Ferrule: Gold Plate per ASTM-B488 50 Microinches Min. thickness over Electrolytic Nickel Plate per ASTM-B689 50 Microinches Min. thickness.
- 2.2 Body, Coupling, and Clamp Nuts: Passivated per SAE-AMS-2700.
- 2.3 Gasket, Lock Ring, and Dielectrics: None.

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

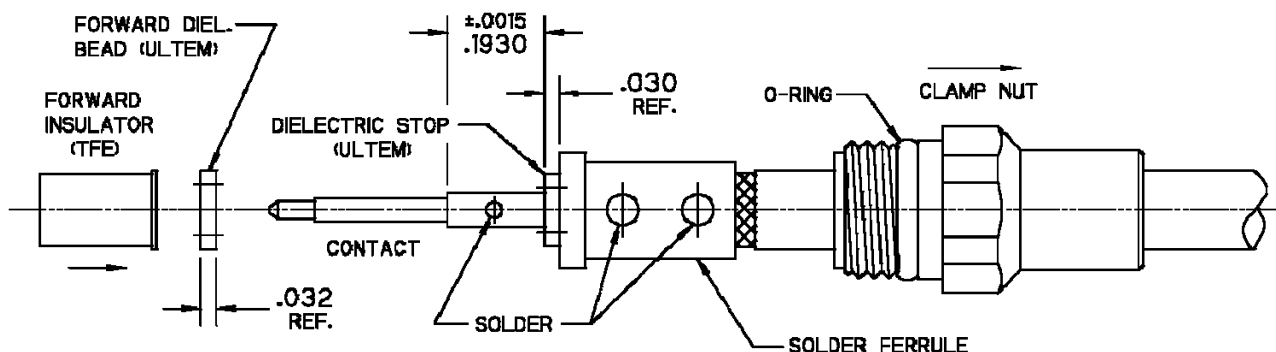




SMA Plug, Solder Clamp for Semflex HP160 Cable

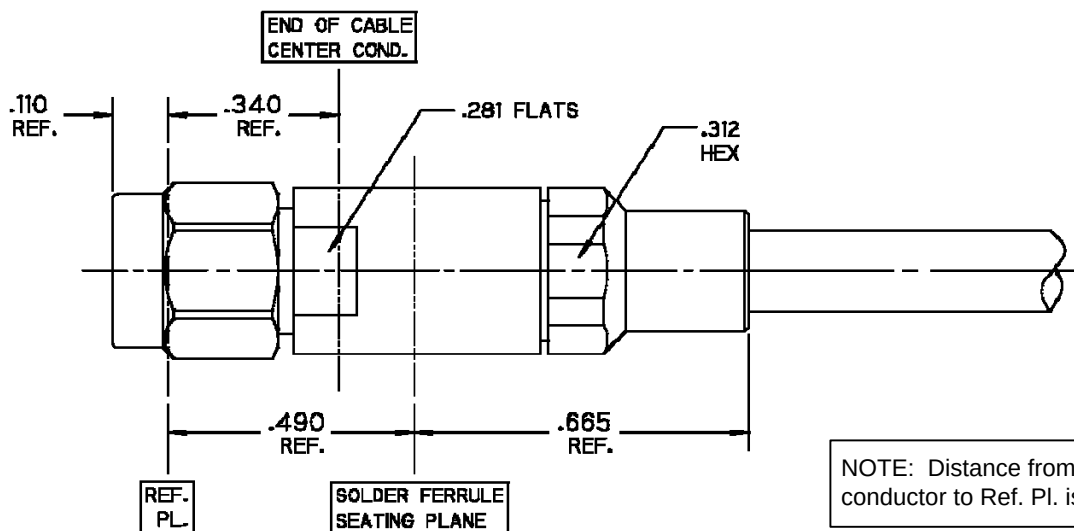


Step 1 1.1 Trim Cable as shown.



- 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



Mouser Electronics

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