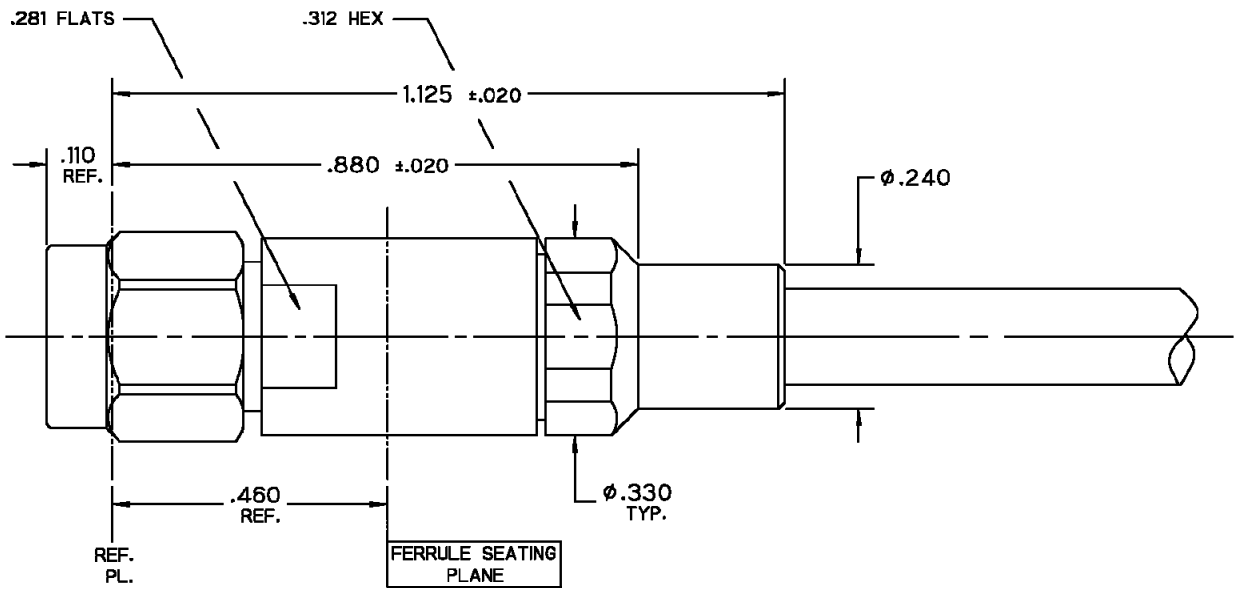
CRYSTEK MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

3.5mm Plug, Solder Clamp for Semflex HP160 Cable



NOTE: Distance from end of cable center conductor to Ref. Pl. is 0.360

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 Dielectric Bead: Polyphenylene Oxide (NORYL) per ASTM-D4349.

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 Nut: Passivated per SAE-AMS-2700.

2.3 Gasket, O-Ring, Lock Ring, and Dielectric: None.

3.0 Interface: 3.5mm Socket per CC-3.5mm-Soc.

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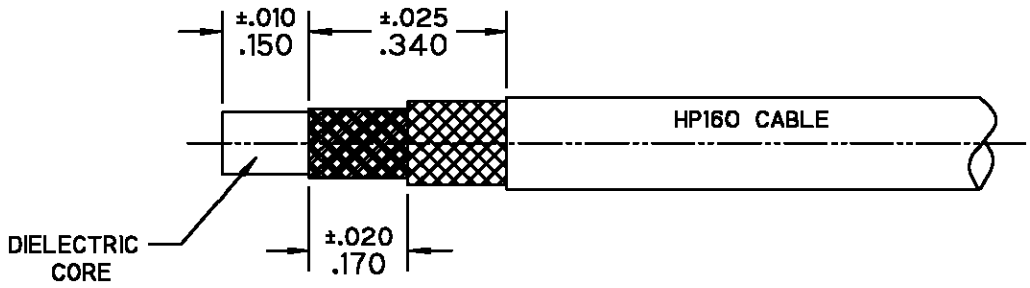
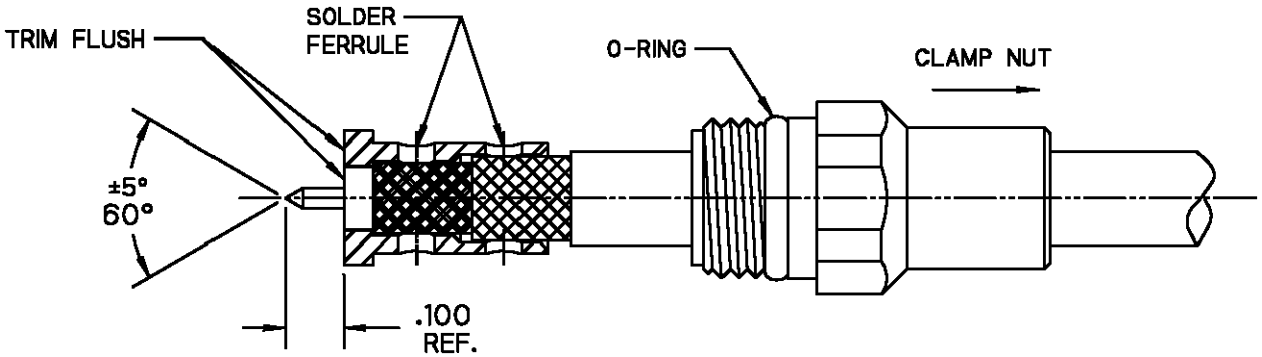


Step 1

1.1 Trim Cable to expose dielectric core and braids as shown.



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

2.2 Insert cable into solder ferrule until inner braid is seated and solder cable braids where shown.

Step 2

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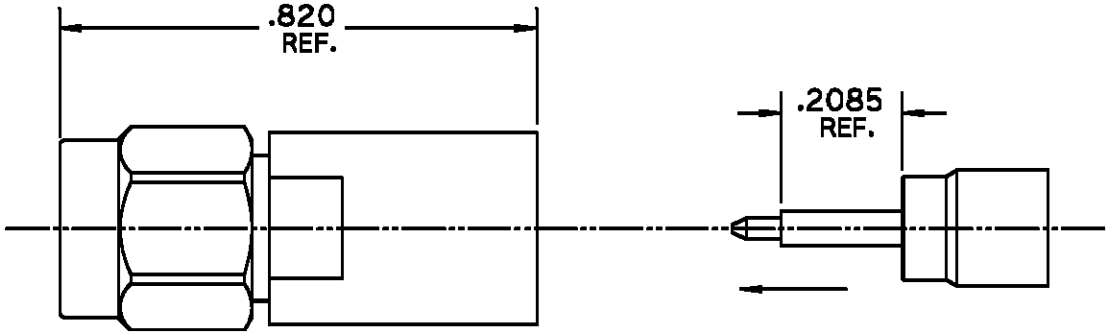
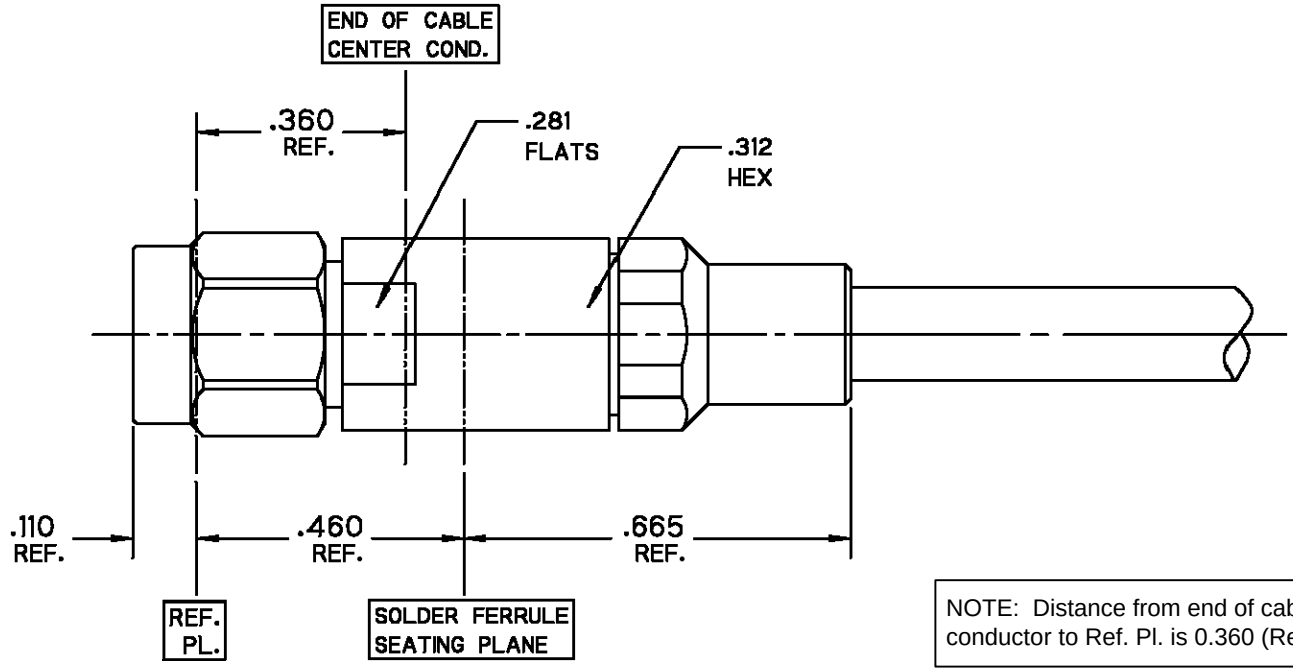


Contact/bushing sub-assembly

Step 3

3.1 Insert contact/bushing sub-assembly into connector head in orientation shown until bushing seats.



NOTE: Distance from end of cable center conductor to Ref. Pl. is 0.360 (Ref)

Step 4

4.1 Insert cable/contact sub-assembly into connector until cable center conductor plugs into contact and solder ferrule seats. Tighten clamp nut to 25-35 in-lbs.

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