

DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN INCHES[MILLIMETERS]

PRF01-P-C-EP-180B-SS

SERIES
-01: SMA

GENDER
-P: PLUG

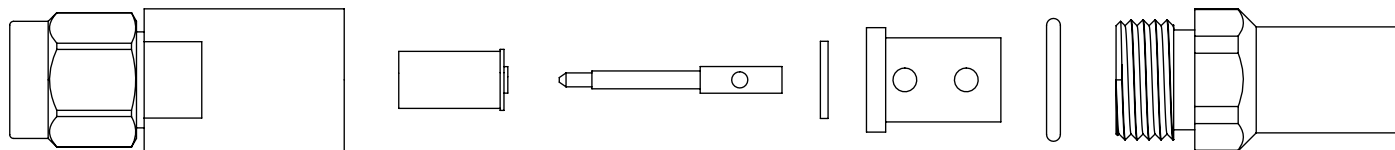
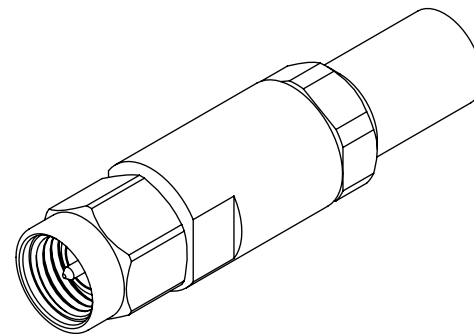
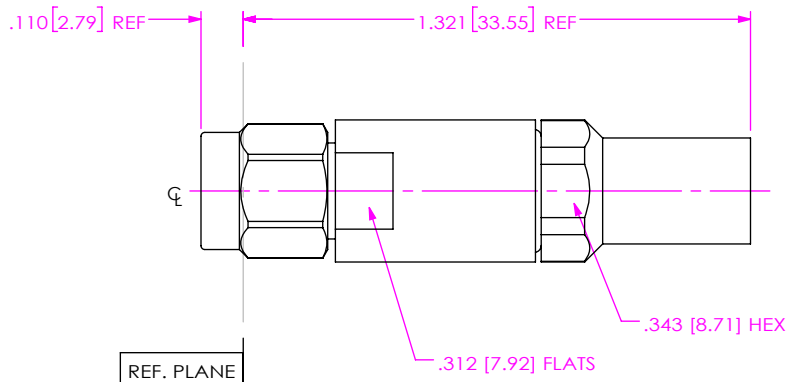
TYPE
-C: CABLE

FINISH
-EP: 50µ" EXTRA HEAVY GOLD CENTER CONTACT, PASSIVATED OUTER CONTACT

TERMINATION
-S: SOLDER CLAMP

ORIENTATION
-S: STRAIGHT

CABLE TYPE
-180B: IW1801



EXPLODED VIEW
NOT TO SCALE
(FOR CLARITY ONLY)

NOTES:

- MATERIAL:
BODY, COUPLING NUT & CLAMP NUT: STAINLESS STEEL.
CONTACT & LOCK RING: BERYLLIUM COPPER.
SOLDER FERRULE: BRASS.
GASKET & O-RING: SILICONE RUBBER
INSULATOR: PTFE.
DIELECTRIC STOP: ULTEM 1000.
- FINISH:
BODY, COUPLING NUT & CLAMP NUT: PASSIVATED.
SOLDER FERRULE, CONTACT: GOLD OVER NICKEL PLATE,
50 µIN MIN GOLD OVER 50 µIN MIN NICKEL.
- PCI P/N: 3606.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [0.3] 1°
.XXX: ±.005 [0.13]
.XXXX: ±.0005 [0.013]

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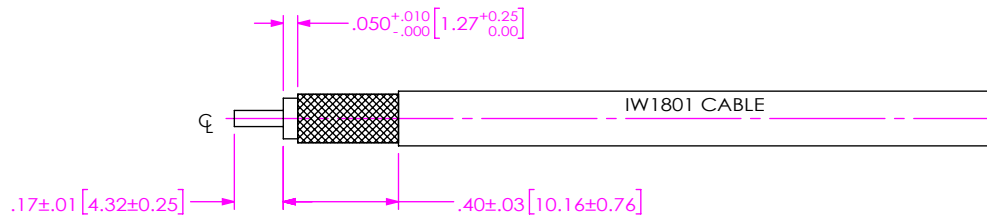
DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION: SMA PLUG, SOLDER CLAMP FOR IW1801 CABLE

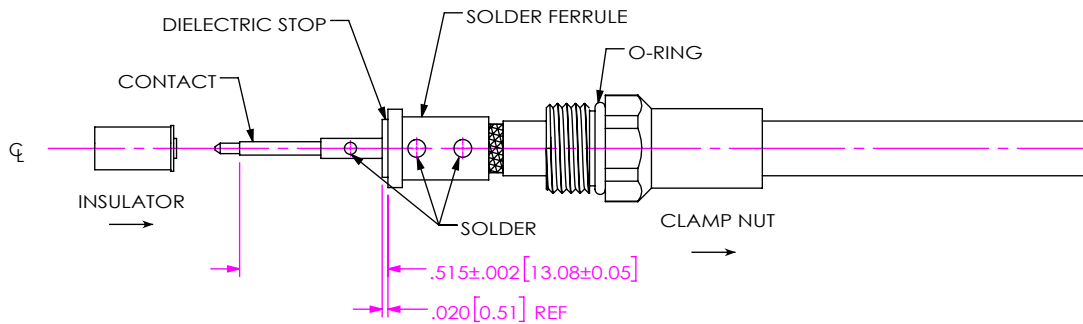
DWG. NO. PRF01-P-C-EP-180B-SS

BY: EVE L 12/21/2020 SHEET 1 OF 2



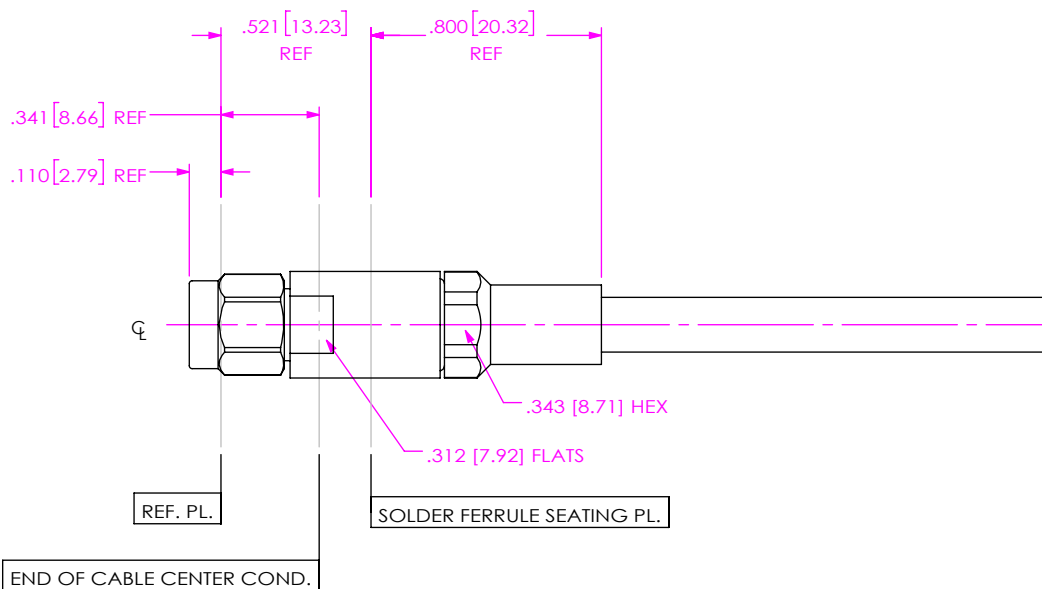
1A. TRIM CABLE TO EXPOSE OUTER BRAID, FOIL AND CENTER CONDUCTOR AS SHOWN.

IN-PROCESS 1



- 2A. SLIDE CLAMP NUT OVER CABLE IN ORIENTATION SHOWN.
- 2B. INSERT CABLE INTO SOLDER FERRULE UNTIL INNER BRAID SEATS AND SOLDER TO BRAIDS WHERE SHOWN.
- 2C. TRIM CABLE DIELECTRIC FLUSH WITH FACE OF SOLDER.
- 2D. SLIDE DIELECTRIC STOP OVER CABLE CENTER CONDUCTOR AND SOLDER CONTACT FLUSH TO STOP TO DIMENSION SHOWN.
- 2E. SLIDE INSULATOR ONTO CONTACT AGAINST SHOULDER.

IN-PROCESS 2



3A. INSERT CABLE/CONTACT SUB-ASSEMBLY INTO CONNECTOR UNTIL SEATED AND TIGHTEN CLAMP NUT TO 25-35 IN-LBS.

IN-PROCESS 3

<p>DO NOT SCALE DRAWING</p> <p>SHEET SCALE: 1.5:1</p>	<p>PROPRIETARY NOTE</p> <p>THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.</p>		<p>520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail: info@SAMTEC.com code 55322</p>
	<p>DESCRIPTION: SMA PLUG, SOLDER CLAMP FOR IW1801 CABLE</p>		
	<p>DWG. NO. PRF01-P-C-EP-180B-SS</p>	<p>BY: EVE L 12/21/2020 SHEET 2 OF 2</p>	