

DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN INCHES[MILLIMETERS]

PRF06-P-C-EP-180B-SS

SERIES
-06: NTPE

GENDER
-P: PLUG

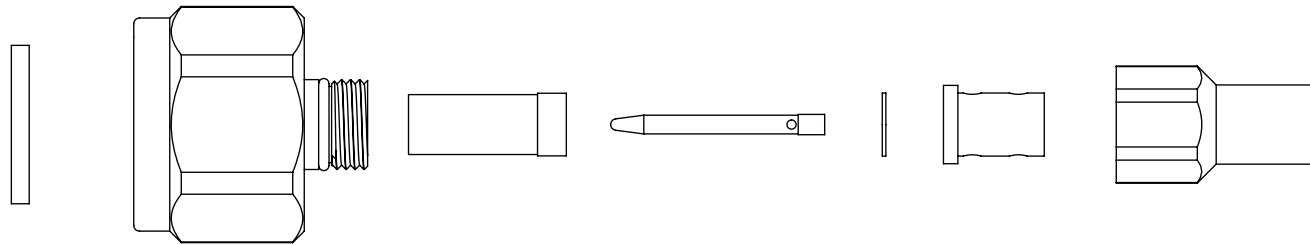
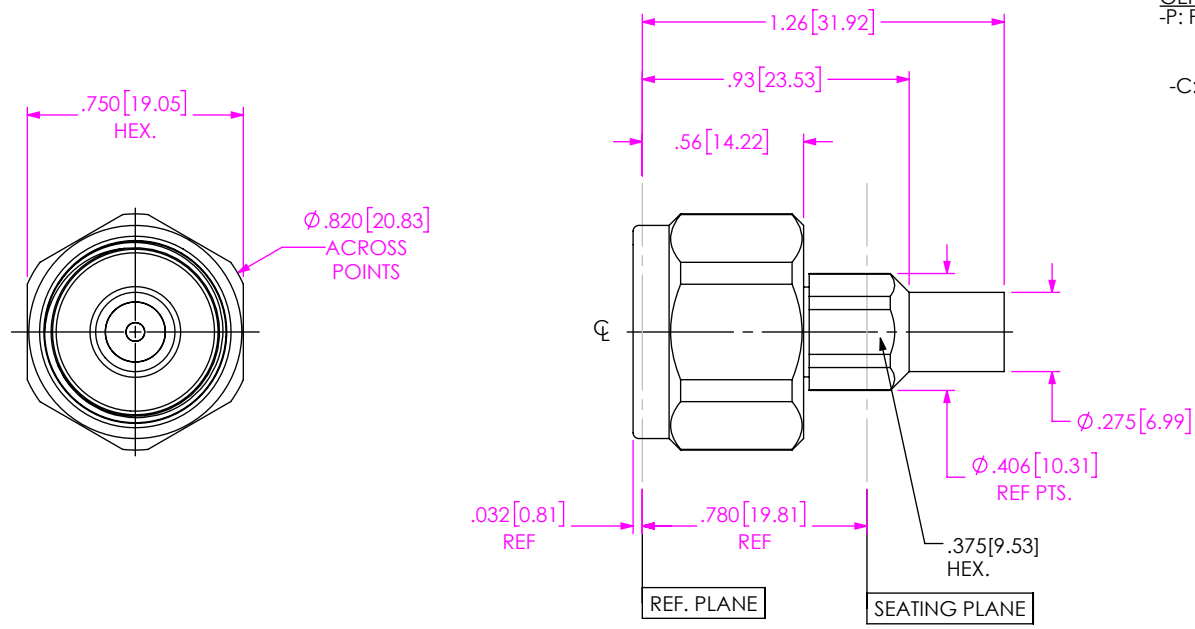
TYPE
-C: CABLE

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

TERMINATION
-S: SOLDER CLAMP


ORIENTATION
-S: STRAIGHT

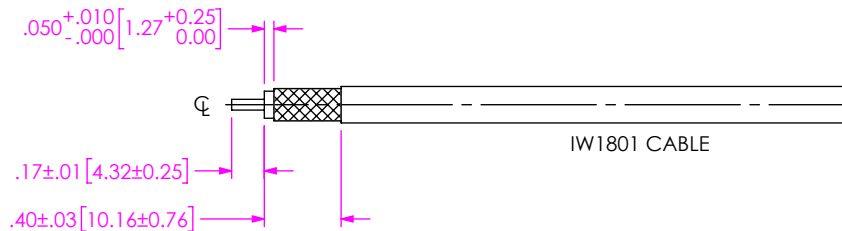
CABLE TYPE
-180B: IW1801



EXPLODED VIEW
NOT TO SCALE
(FOR CLARITY ONLY)

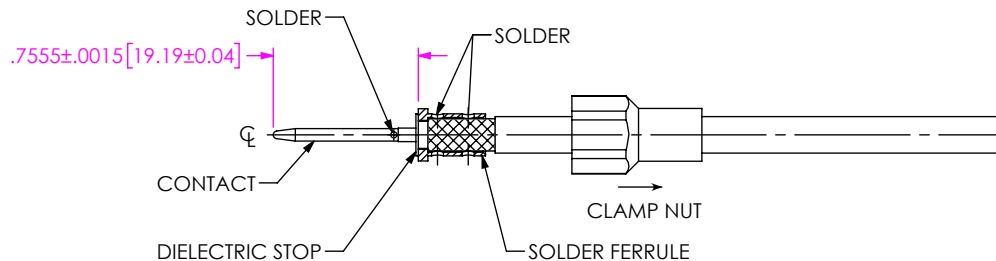
- NOTES:
- MATERIAL:
BODY, COUPLING NUT & CLAMP NUT: STAINLESS STEEL.
PIN: BERYLLIUM COPPER.
SOLDER FERRULE: BRASS.
GASKET & O-RING: SILICONE RUBBER.
INSULATOR: PTFE.
 - FINISH:
BODY, COUPLING NUT & CLAMP NUT: PASSIVATED.
PIN & SOLDER FERRULE: GOLD OVER NICKEL PLATE,
50 µIN MIN GOLD OVER 50 µIN MIN NICKEL.
 - PCI P/N: 3612.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX: ±.01 [0.3] 1° .XXX: ±.005 [0.13] .XXXX: ±.0005 [0.013]	* PROPRIETARY NOTE * 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.	 520 PARK EAST BLVD., NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail: info@SAMTEC.com code 55322
DESCRIPTION: N PLUG (18 GHz), SOLDER CLAMP FOR IW1801 CABLE		
DWG. NO. PRF06-P-C-EP-180B-SS		
BY: WILLY Y 8/24/2022	SHEET 1 OF 2	



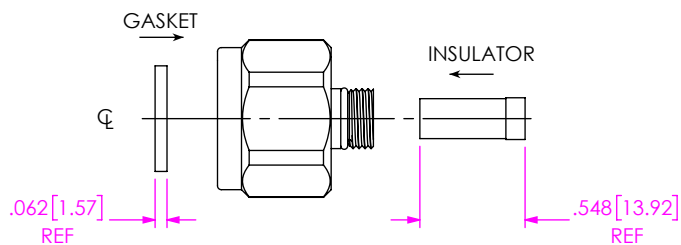
1. TRIM CABLE TO EXPOSE OUTER BRAID, FOIL AND CENTER CONDUCTOR AS SHOWN.

IN-PROCESS 1



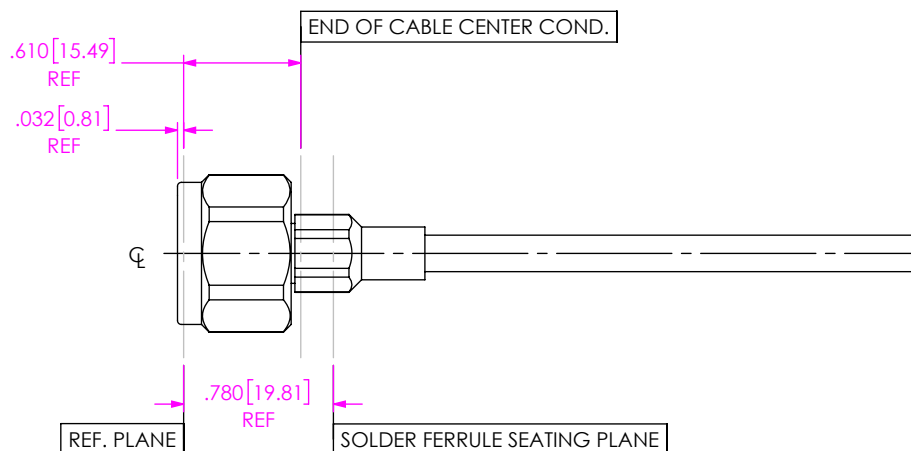
- 2A. SLIDE CLAMP NUT OVER CABLE IN ORIENTATION SHOWN.
- 2B. INSERT CABLE INTO SOLDER FERRULE UNTIL DIELECTRIC & FOIL ARE FLUSH WITH SOLDER FERRULE FACE AND SOLDER BRAIDS WHERE SHOWN.
- 2C. SLIDE DIELECTRIC STOP OVER CABLE CENTER CONDUCTOR AGAINST FERRULE FACE AND SOLDER CONTACT FLUSH WITH STOP TO DIMENSION SHOWN.

IN-PROCESS 2



3A. INSTALL INSULATOR & GASKET INTO SUB ASSEMBLY.

IN-PROCESS 3



- 4A. INSERT CABLE/CONTACT SUB-ASSEMBLY INTO CONNECTOR UNTIL SEATED.
- 4B. TIGHTEN CONNECTOR COUPLING NUT TO MATING TYPE N JACK.
- 4C. TIGHTEN REAR CLAMP NUT TO 30-40 IN-LBS AND DISENGAGE MAIN INTERFACE FROM JACK.

IN-PROCESS 4

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DO NOT SCALE DRAWING

SHEET SCALE: 1:1

DESCRIPTION: N PLUG (18 GHZ), SOLDER CLAMP FOR IW1801 CABLE

DWG. NO. PRF06-P-C-EP-180B-SS

BY: WILLY Y 8/24/2022 SHEET 2 OF 2