

DO NOT  
SCALE FROM  
THIS PRINT

DESIGNED & DIMENSIONED  
IN INCHES[MILLIMETERS]

PRF04-P-C-EP-290-SS-01

- SERIES  
-04: TNCA

GENDER  
-P: PLUG

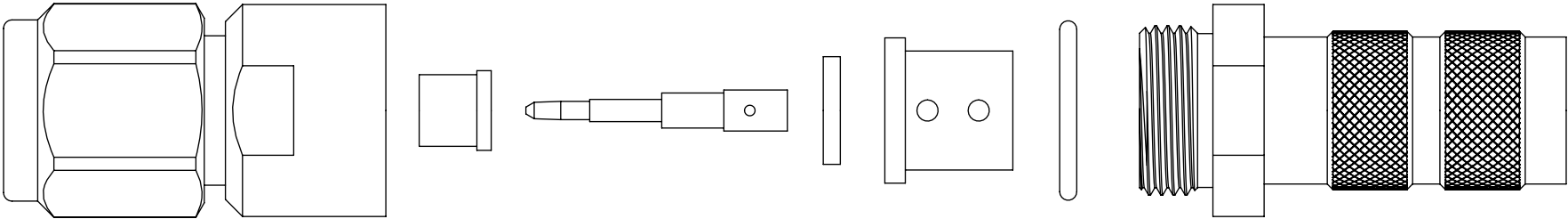
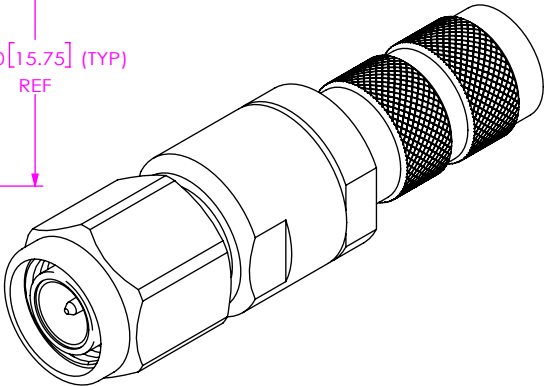
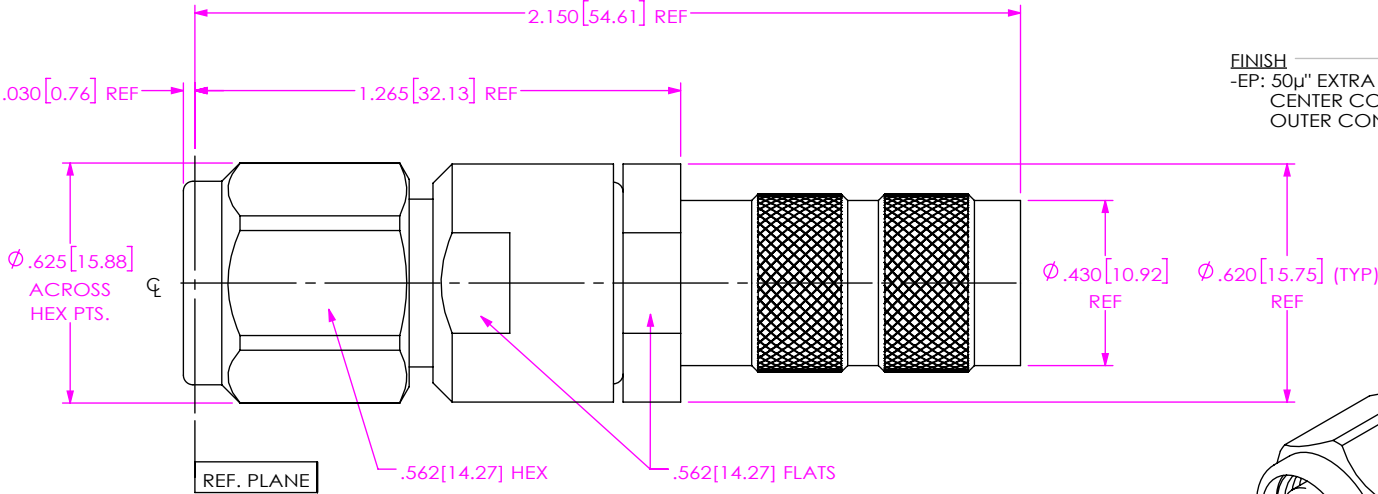
TYPE  
-C: CABLE

FINISH  
-EP: 50μ" EXTRA HEAVY GOLD  
CENTER CONTACT, PASSIVATED  
OUTER CONTACT
- OPTION  
-01

TERMINATION  
-S: SOLDER CLAMP

ORIENTATION  
-S: STRAIGHT

CABLE TYPE  
-290: SEMFLEX LA290



EXPLODED VIEW  
NOT TO SCALE  
(FOR CLARITY ONLY)

- NOTES:
1. MATERIAL:

BODY, COUPLING NUT & CLAMP NUT: STAINLESS STEEL.  
PIN & LOCK RING: BERYLLIUM COPPER.  
SOLDER FERRULE: BRASS.  
GASKET & O-RING: SILICONE RUBBER.  
INSULATOR: TEFLON.  
BEAD: ULTEM 1000.
2. FINISH:

BODY, COUPLING NUT & CLAMP NUT: PASSIVATED.  
PIN & SOLDER FERRULE: GOLD OVER NICKEL PLATE,  
50 μIN MIN GOLD OVER 50 μIN MIN NICKEL.
3. PCI P/N: 3904.

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

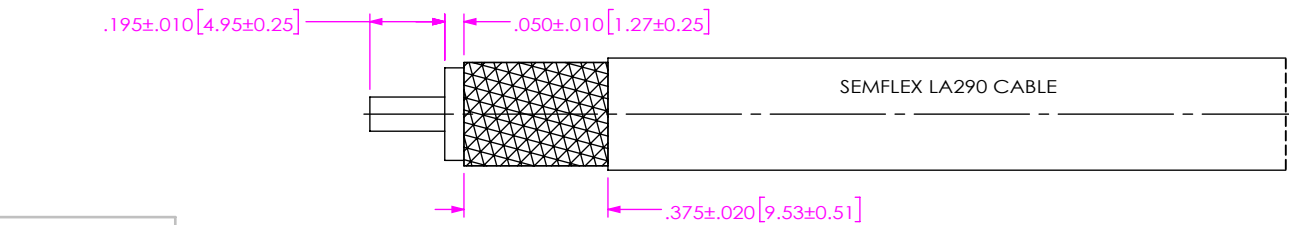
DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION: TNCA PLUG, SOLDER CLAMP FOR  
SEMFLEX LA290 CABLE

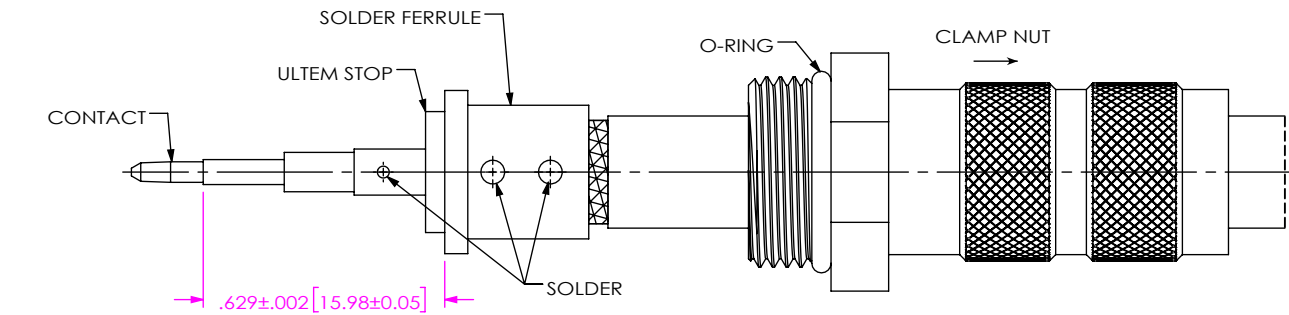
DWG. NO. PRF04-P-C-EP-290-SS-01

BY: EVE L 04/13/2021 SHEET 1 OF 2



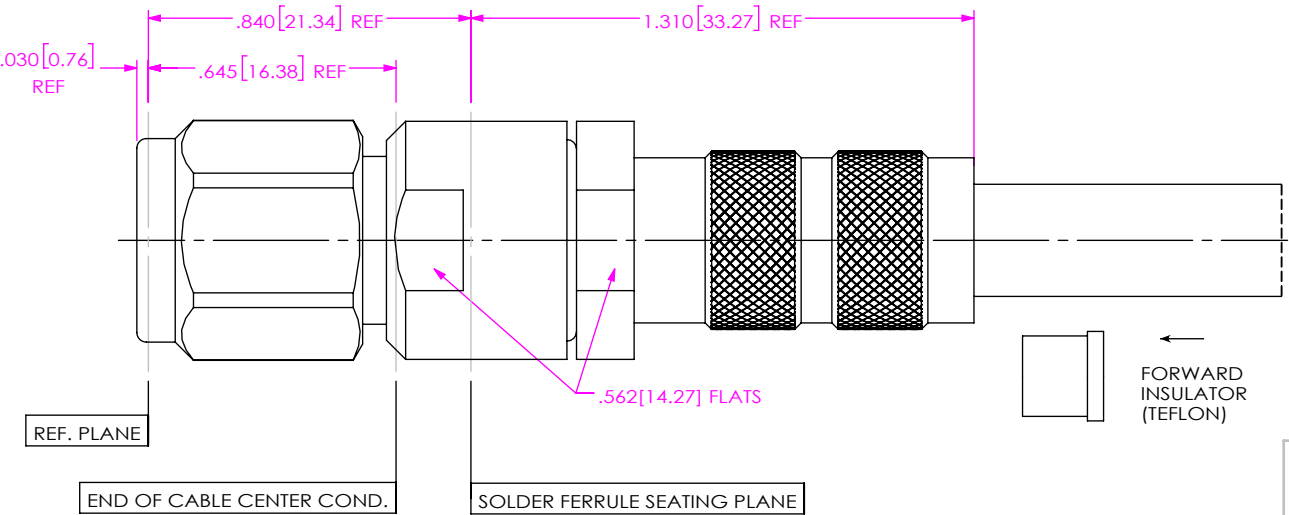
1. TRIM CABLE AS SHOWN.

IN-PROCESS 1



- 2A. SLIDE CLAMP NUT OVER CABLE AS SHOWN.
- 2B. INSERT CABLE INTO SOLDER FERRULE UNTIL CABLE DIELECTRIC IS FLUSH WITH FACE OF FERRULE. THEN SOLDER BOTH CABLE BRAIDS WHERE SHOWN.
- 2C. SLIDE DIELECTRIC STOP OVER CABLE CENTER CONDUCTOR AND SOLDER CONTACT FLUSH AGAINST STOP TO DIMENSION SHOWN.

IN-PROCESS 2



- 3A. INSERT FORWARD INSULATOR INTO CONNECTOR IN ORIENTATION SHOWN.
- 3B. INSERT CABLE/CONTACT SUB-ASSEMBLY INTO CONNECTOR UNTIL SEATED AND TIGHTEN CLAMP NUT TO 35-45 IN.-LBS.

IN-PROCESS 3

<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>DO NOT SCALE DRAWING</p> <p>SHEET SCALE: 2:1</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>	
	DESCRIPTION: TNCA PLUG, SOLDER CLAMP FOR SEMFLEX LA290 CABLE	
	DWG. NO.	PRF04-P-C-EP-290-SS-01
BY: EVE L	04/13/2021	SHEET 2 OF 2