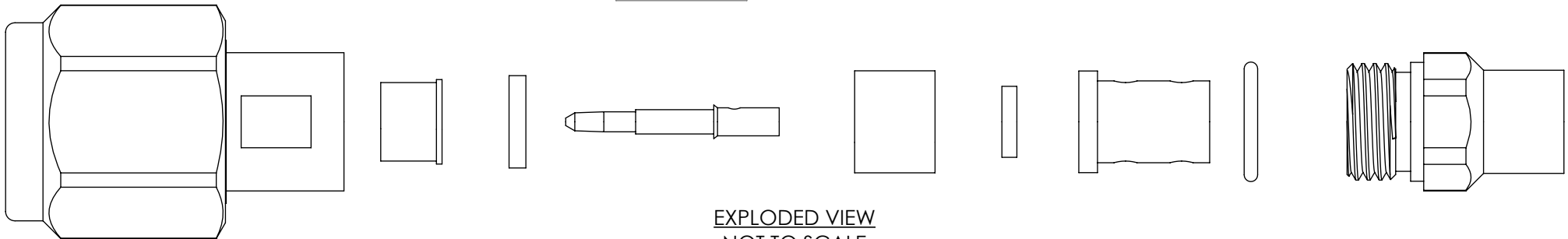
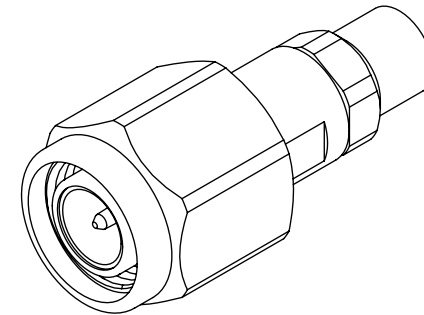
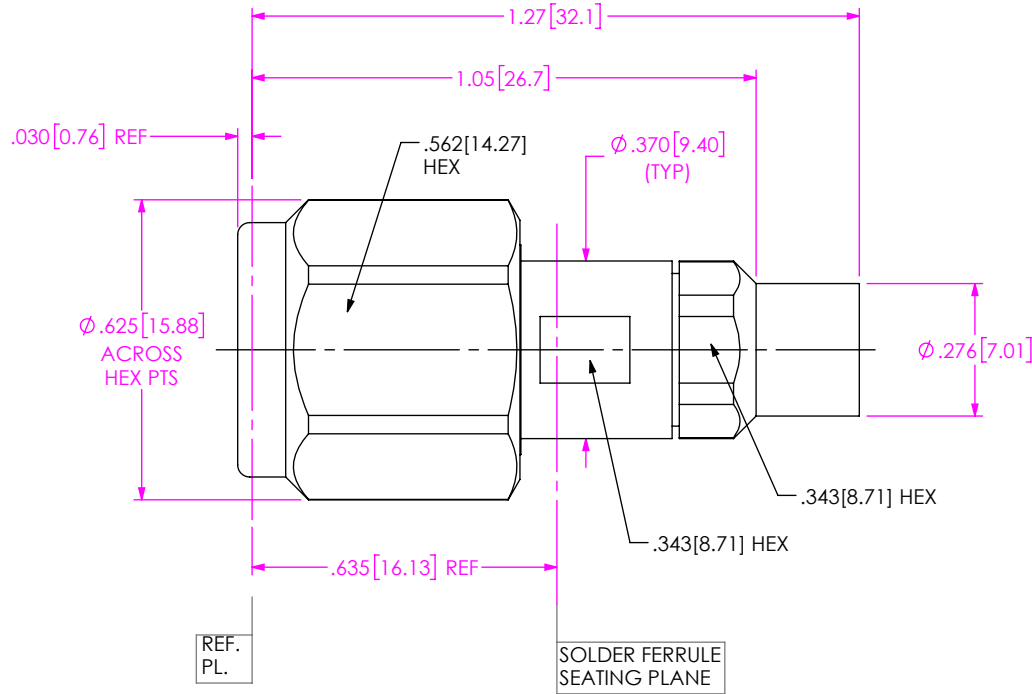


DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN INCHES[MILLIMETERS]

PRF04-P-C-EP-142-SS

SERIES -04: TNCA  
 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 -142: HARBOUR LL142




EXPLODED VIEW NOT TO SCALE (FOR CLARITY ONLY)

NOTES:

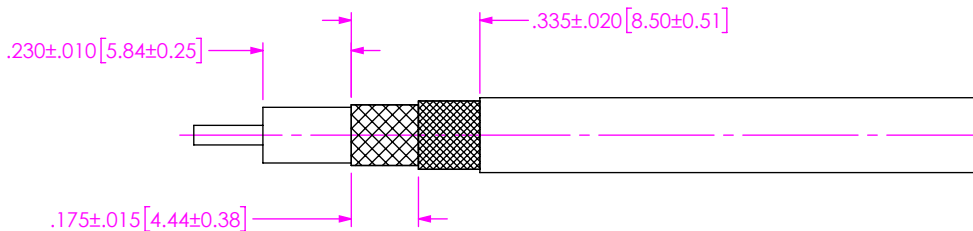
- MATERIAL:**  
 BODY, BUSHING, CLAMP NUT, COUPLING NUT: STAINLESS STEEL  
 CONTACT, LOCK RING: BERYLLIUM COPPER  
 SOLDER FERRULE: BRASS ALLOY  
 INSULATOR: PTFE  
 BEADS: PEI  
 O-RING, GASKET: SILICONE RUBBER
- FINISH:**  
 BODY, BUSHING, CLAMP NUT, COUPLING NUT: PASSIVATED  
 CONTACT, SOLDER FERRULE: 50µ" MIN. GOLD OVER 50µ" MIN. NICKEL PLATE
- PERFORMANCE:**  
 IMPEDANCE: 50 Ω  
 FREQUENCY: DC TO 18 GHz  
 VSWR: 1.16:1 MAXIMUM  
 INSERTION LOSS: 0.04 x √f(GHz)  
 DWV: 1800 Vrms
- PCI P/N: 3246

F:\DWG\MISC\MKTG\PRF04-P-C-EP-142-SS-MKT.SLDDRW

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: 2.5:1	DESCRIPTION: TNCA PLUG, SOLDER CLAMP FOR HARBOUR LL142 CABLE DWG. NO. PRF04-P-C-EP-142-SS BY: JERRY SU    05/18/2019    SHEET 1 OF 3

# CABLE APPLICATION VIEWS

1A. TRIM CABLE AS SHOWN.

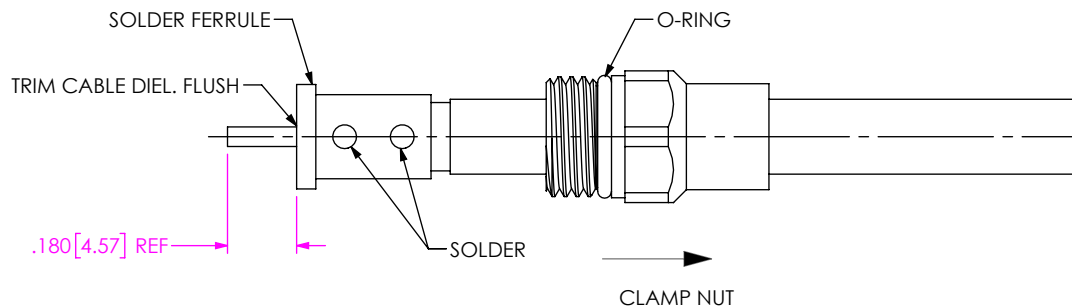


IN-PROCESS VIEW 1

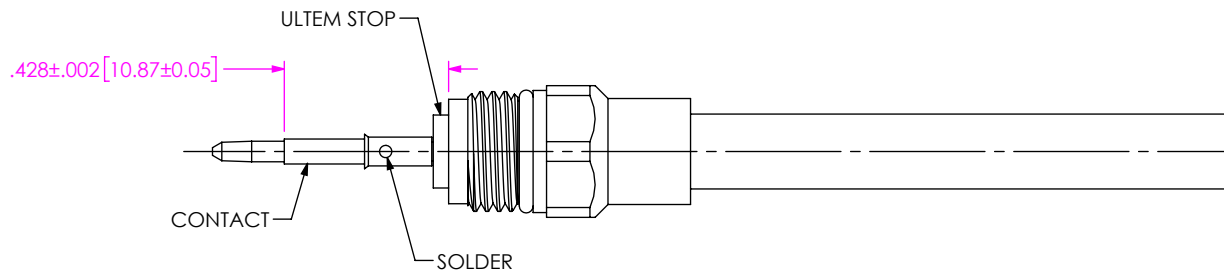
2A. SLIDE CLAMP NUT OVER CABLE AS SHOWN.

2B. INSERT CABLE INTO SOLDER FERRULE UNTIL FWD BRAID SEATS THEN SOLDER BOTH CABLE BRAIDS WHERE SHOWN.

2C. TRIM CABLE DIELECTRIC FLUSH TO SOLDER FERRULE.



IN-PROCESS VIEW 2



3A. SLIDE ULTEM DIELECTRIC STOP OVER CABLE CENTER CONTACT AGAINST SOLDER FERRULE AS SHOWN.

3B. SOLDER CONTACT FLUSH AGAINST STOP TO DIMENSION SHOWN.

IN-PROCESS VIEW 3

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 e-Mail: info@SAMTEC.com code 55322

DO NOT SCALE DRAWING  
 SHEET SCALE: 2:1

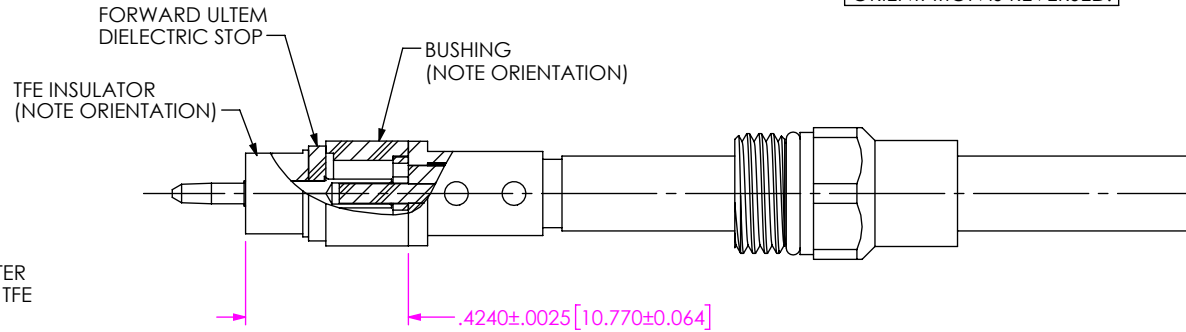
DESCRIPTION: TNCA PLUG, SOLDER CLAMP FOR HARBOUR LL142 CABLE

DWG. NO. PRF04-P-C-EP-142-SS

BY: JERRY SU 05/18/2019 SHEET 2 OF 3

# CABLE APPLICATION VIEWS

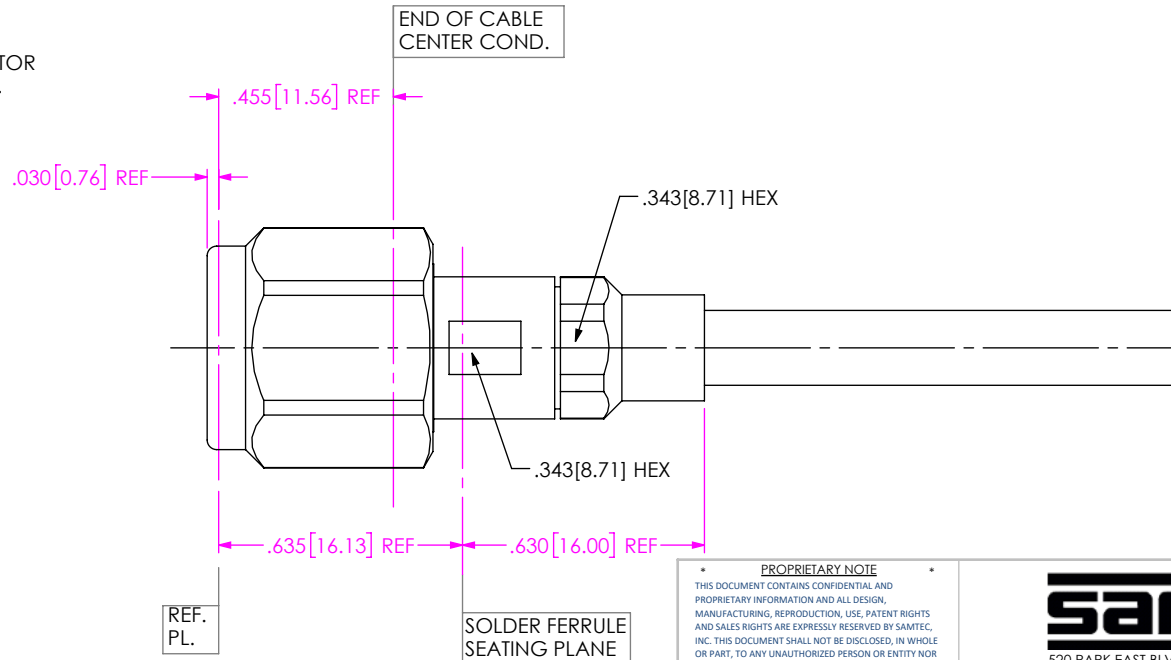
\*\*\*\*\* NOTE \*\*\*\*\*  
 BUSHING WILL NOT SEAT  
 AGAINST SOLDER FERRULE IF  
 ORIENTATION IS REVERSED.



4A. SLIDE BUSHING, FORWARD ULTEM STOP & FORWARD TEFLON INSULATOR OVER CONTACT AS SHOWN. (NOTE: ORIENT BUSHING WITH DEEPER SMALLER DIAMETER C'BORE TOWARD SOLDER FERRULE. ORIENT FORWARD TFE INSULATOR WITH SHOULDER TOWARD STOP).

**IN-PROCESS VIEW 4**

5A. INSERT CABLE/CONTACT SUB-ASSEMBLY INTO CONNECTOR UNTIL SEATED AND TIGHTEN CLAMP NUT TO 35-45 IN-LBS.



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SHEET SCALE: 2:1

DESCRIPTION: TNCA PLUG, SOLDER CLAMP FOR HARBOUR LL142 CABLE

DWG. NO. PRF04-P-C-EP-142-SS

BY: JERRY SU 05/18/2019 SHEET 3 OF 3

**IN-PROCESS VIEW 5**