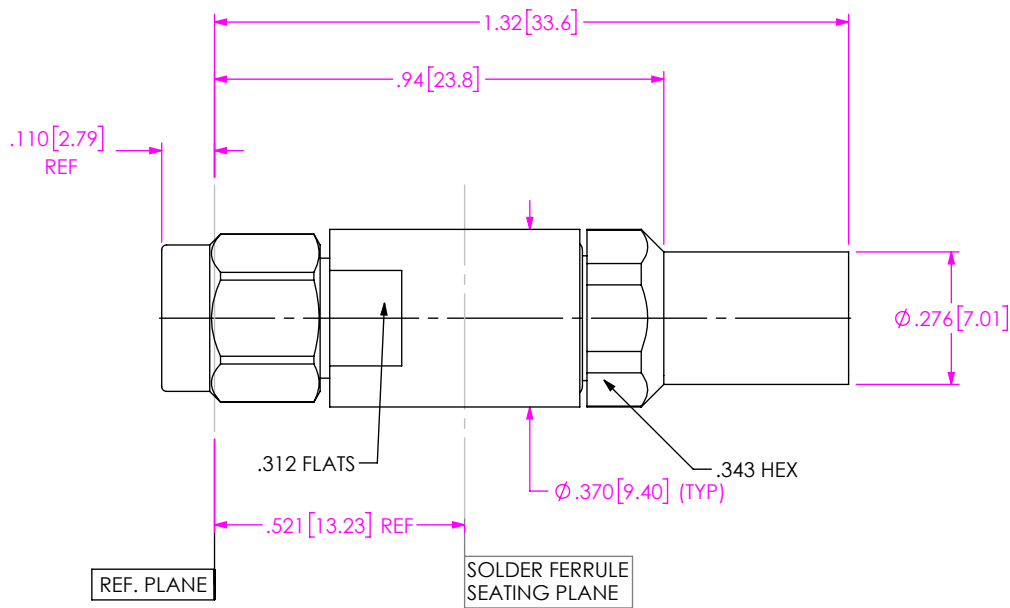


DO NOT
SCALE FROM
THIS PRINT

DESIGNED & DIMENSIONED
IN INCHES[MILLIMETERS]



PRF01-P-C-EP-142-SS

SERIES
-01: SMA

GENDER
-P: PLUG

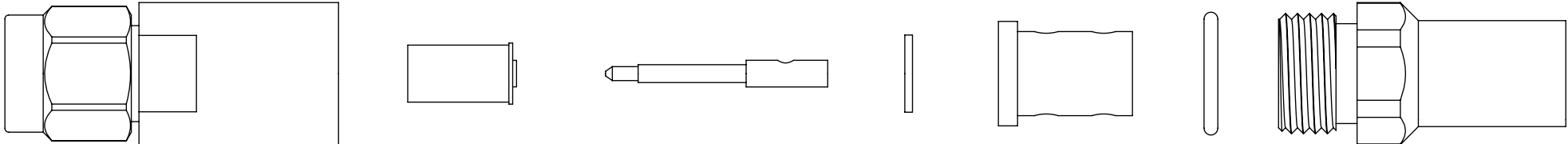
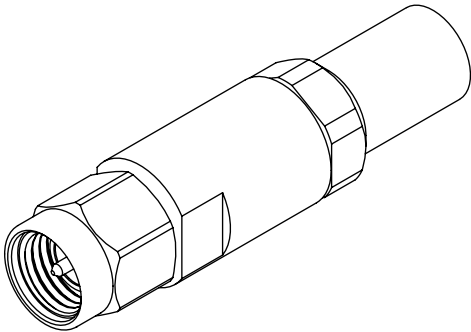
TYPE
-C: CABLE

TERMINATION
-S: SOLDER CLAMP

ORIENTATION
-S: STRAIGHT

CABLE TYPE
-142: HARBOUR LL142

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



EXPLODED VIEW
NOT TO SCALE
(FOR CLARITY ONLY)

NOTES:

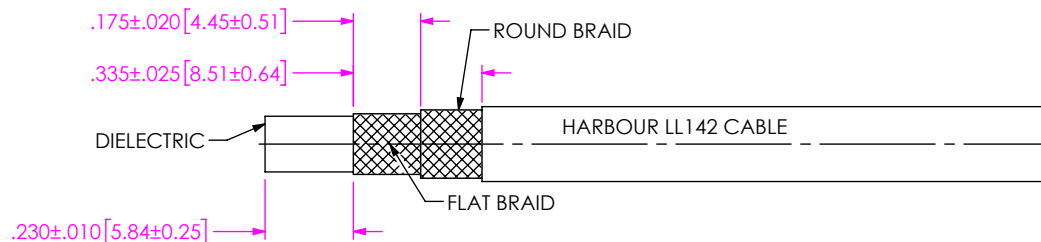
1. MATERIAL:
BODY, COUPLING NUT, CLAMP NUT: STAINLESS STEEL
CONTACT, LOCK RING: BERYLLIUM COPPER
SOLDER FERRULE: BRASS ALLOY
INSULATOR: PTFE
BEADS: PEI
O-RING, GASKET: SILICONE RUBBER
2. FINISH:
BODY, COUPLING NUT, CLAMP NUT: PASSIVATED
CONTACT, SOLDER FERRULE: 50µ" MIN. GOLD OVER 50µ" MIN. NICKEL PLATE
3. PERFORMANCE:
IMPEDANCE: 50 Ω
FREQUENCY: DC TO 18 GHz
VSWR: 1.14:1 MAXIMUM
INSERTION LOSS: 0.03 x √f(GHz)
DWV: 1700 Vrms
4. PCI P/N: 3163.

F:\DWG\MISC\MKTG\PRF01-P-C-EP-142-SS-MKT.SLDDRW

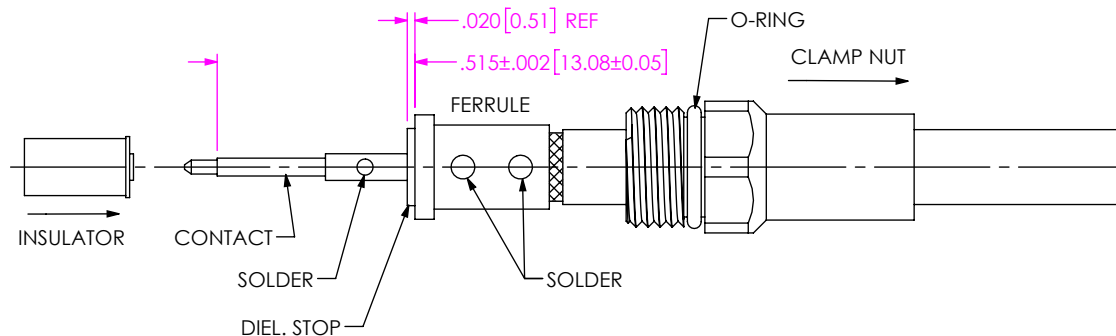
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX: ±.01 [0.3] 1° .XXX: ±.005 [0.13] .XXXX: ±.0005 [0.013]		PROPRIETARY NOTE THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES 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: SMA PLUG, SOLDER CLAMP FOR HARBOUR LL142 CABLE
		DWG. NO.	PRF01-P-C-EP-142-SS
BY: SHERRY W 2/3/2019		SHEET 1 OF 2	

THIS P/N WAS 1-001-2851-0

1. STRIP CABLE AS SHOWN.



IN-PROCESS VIEW 1

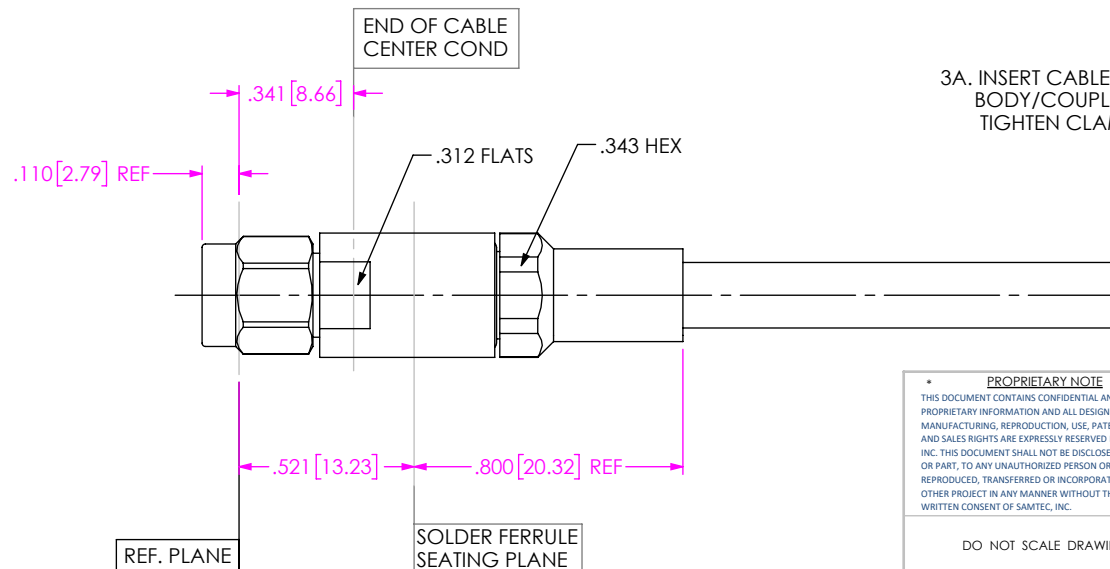


- 2A. SLIDE CLAMP NUT OVER CABLE IN ORIENTATION SHOWN.
 2B. INSERT CABLE INTO SOLDER FERRULE UNTIL INNER
 BRAID SEATS AND SOLDER TO BRAIDS WHERE SHOWN
 2C. TRIM CABLE DIELECTRIC FLUSH WITH FACE OF FERRULE.

- 2D. SLIDE DIELECTRIC STOP OVER CABLE
 CENTER CONDUCTOR AND SOLDER CONTACT
 FLUSH TO STOP TO DIMENSION SHOWN.
 2E. SLIDE INSULATION ONTO CONTACT AGAINST
 SHOULDER.

IN-PROCESS VIEW 2

DISTANCE FROM END OF
 CABLE CENTER CONDUCTOR
 TO REF. PL. IS .341 REF



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

IN-PROCESS VIEW 3

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SHEET SCALE: 2:1

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 e-Mail: info@SAMTEC.com code 55322

DESCRIPTION: SMA PLUG, SOLDER CLAMP FOR
 HARBOUR LL142 CABLE

DWG. NO. PRF01-P-C-EP-142-SS

BY: SHERRY W 2/3/2019

SHEET 2 OF 2