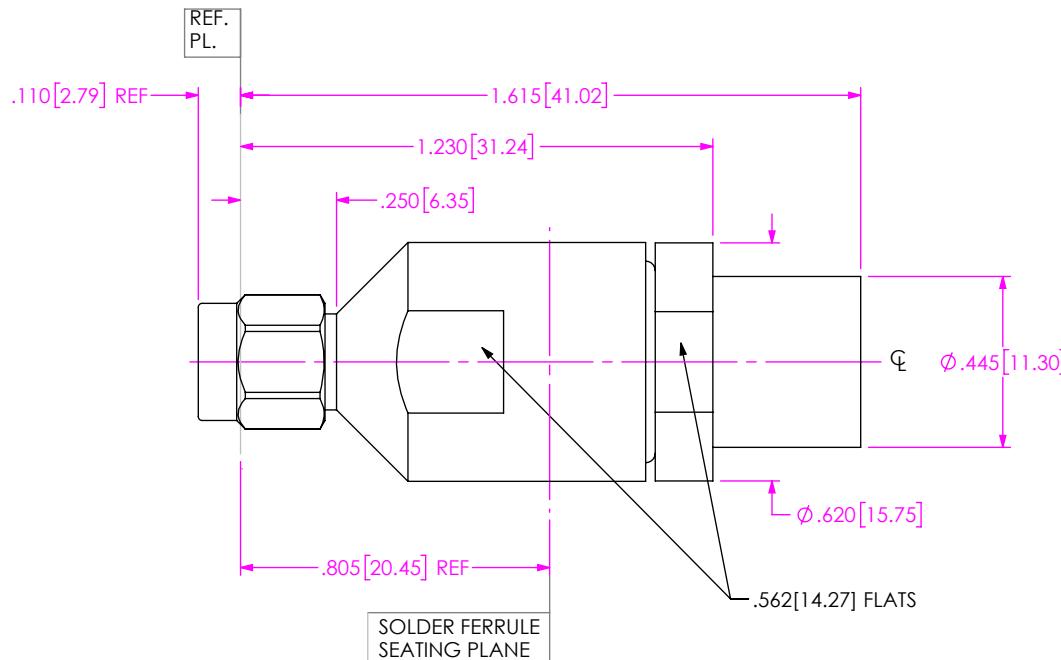


DO NOT  
SCALE FROM  
THIS PRINTDESIGNED & DIMENSIONED  
IN INCHES [MILLIMETERS]

PRF01-P-C-EP-335-SS

PRF01-P-C-EP-335-SS

PRF01: SMA PLUG, SOLDER CLAMP FOR HARBOUR LL335 CABLE

P: PLUG

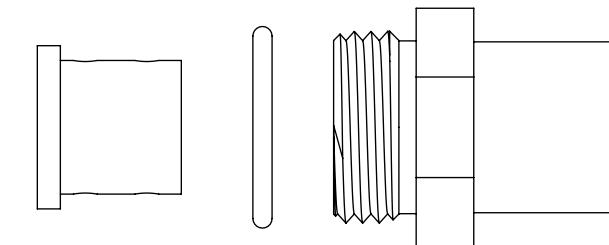
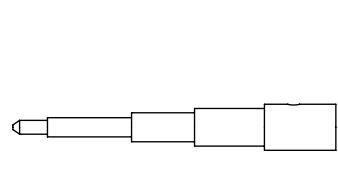
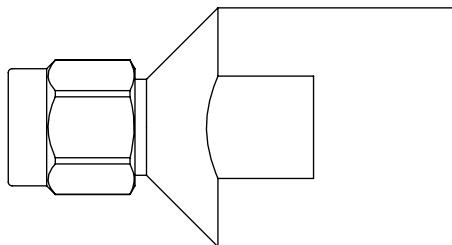
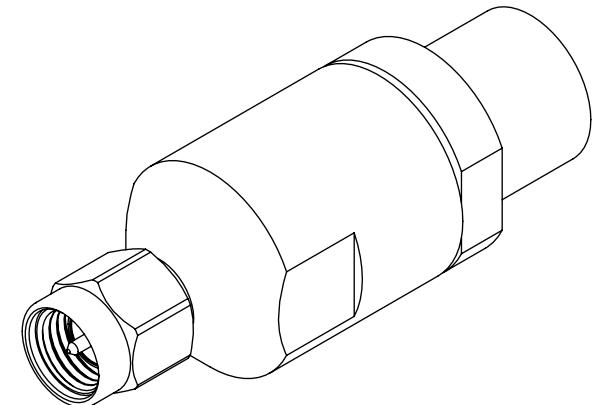
C: CABLE

EP: 50 $\mu$ " EXTRA HEAVY GOLD CENTER CONTACT, PASSIVATED OUTER CONTACT

PRF01: 50 $\mu$ " S: SOLDER CLAMP

PRF01: -S: STRAIGHT

PRF01: -335: HARBOUR LL335



## NOTES:

## 1. MATERIAL:

BODY, CLAMP NUT, COUPLING NUT: STAINLESS STEEL  
CONTACT, LOCK RING: BERYLLIUM COPPER  
SOLDER FERRULE: BRASS ALLOY  
INSULATOR, BEAD: PTFE  
O-RING, GASKET: SILICONE RUBBER

## 2. FINISH:

BODY, CLAMP NUT, COUPLING NUT: PASSIVATED  
CONTACT, SOLDER FERRULE: 50 $\mu$ " MIN. GOLD OVER 50 $\mu$ " MIN. NICKEL PLATE

## 3. PERFORMANCE:

IMPEDANCE: 50  $\Omega$   
FREQUENCY: DC TO 18 GHz  
VSWR: 1.14:1 MAXIMUM  
INSERTION LOSS: 0.03 x  $\sqrt{f}$  (GHz)  
DWV: 2000 Vrms

## 4. PCI P/N: 3167

EXPLODED VIEW  
NOT TO SCALE  
(FOR CLARITY ONLY)

F:\DWG\MISC\MKTG\PRF01-P-C-EP-335-SS-MKT.SLDDRW

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

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SHEET SCALE: 2:1

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PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code 55322

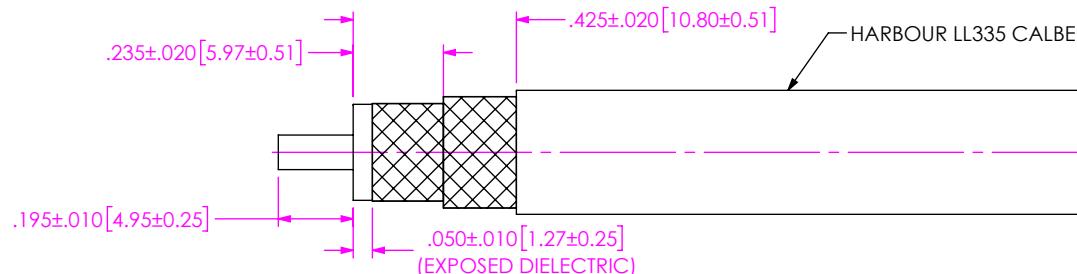
DESCRIPTION:  
SMA PLUG, SOLDER CLAMP FOR HARBOUR LL335 CABLE

DWG. NO. PRF01-P-C-EP-335-SS

BY: JERRY SU 4/28/2019 SHEET 1 OF 2

## CABLE APPLICATION VIEWS

1A. TRIM CABLE AS SHOWN.

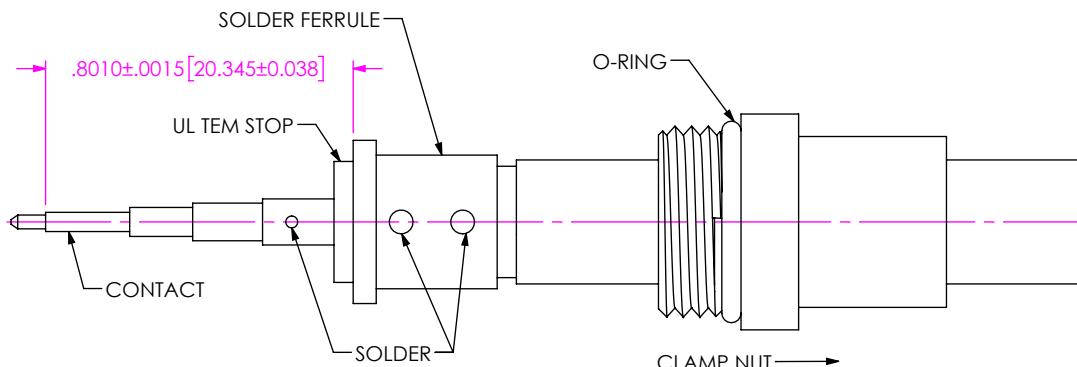


## IN-PROCESS VIEW 1

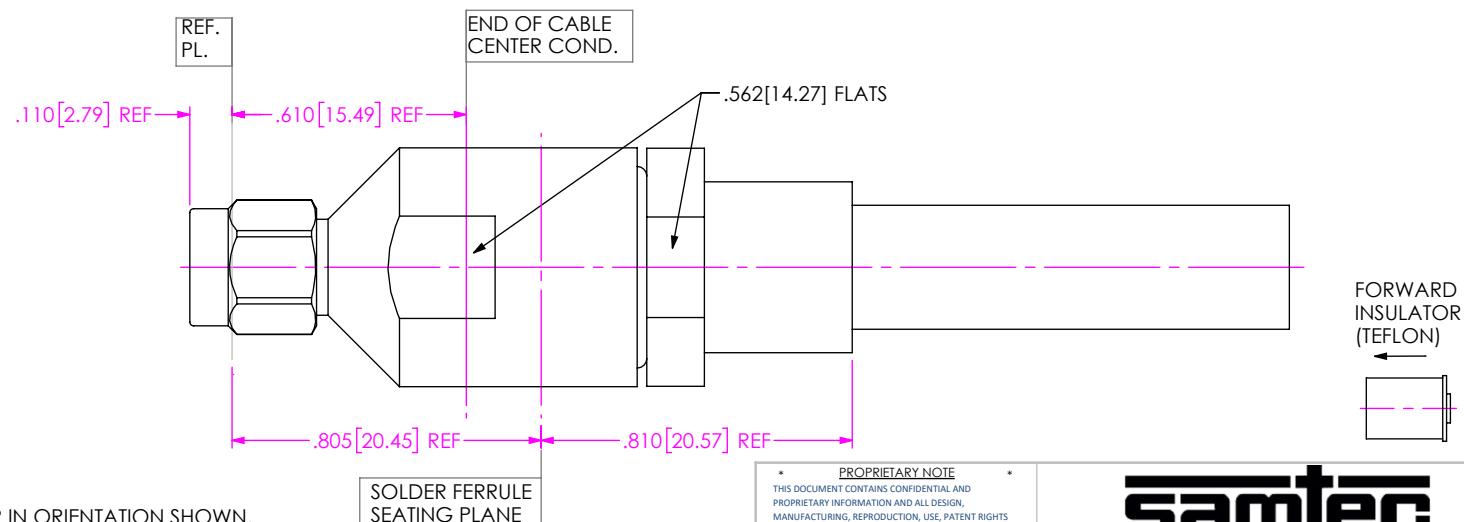
2A. SLIDE CLAMP NUT OVER CABLE AS SHOWN.

2B. INSERT CABLE INTO SOLDER FERRULE UNTIL 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 VIEW 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 34-35 IN-LBS.

## IN-PROCESS VIEW 3

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DESCRIPTION: SMA PLUG, SOLDER CLAMP FOR HARBOUR LL335 CABLE

DWG. NO. PRF01-P-C-EP-335-SS

BY: JERRY SU 4/28/2019 SHEET 2 OF 2