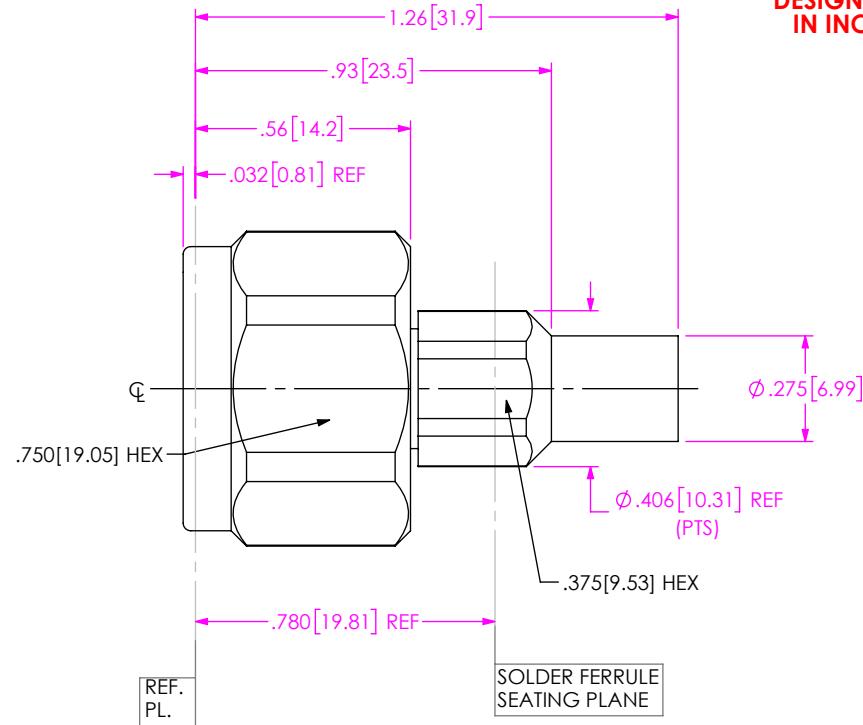
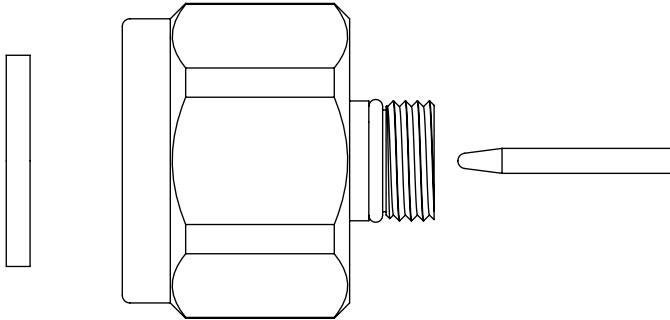
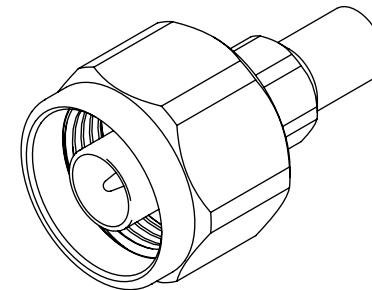


DO NOT  
SCALE FROM  
THIS PRINTDESIGNED & DIMENSIONED  
IN INCHES [MILLIMETERS]

PRF06-P-C-EP-142-SS  
 SERIES -06: N TYPE  
 GENDER -P: PLUG  
 TYPE -C: CABLE  
 TERMINATION -S: SOLDER CLAMP  
 ORIENTATION -S: STRAIGHT  
 CABLE TYPE -142: HARBOUR LL142  
 FINISH -EP: 50 $\mu$ " EXTRA HEAVY GOLD CENTER CONTACT, PASSIVATED OUTER CONTACT



EXPLODED VIEW  
NOT TO SCALE  
 (FOR CLARITY ONLY)

## NOTES:

## 1. MATERIAL:

BODY, BUSHING, CLAMP NUT: STAINLESS STEEL  
 CONTACT: BERYLLIUM COPPER  
 SOLDER FERRULE: BRASS ALLOY  
 INSULATORS: PTFE  
 GASKET, O-RING: SILICONE RUBBER

## 2. FINISH:

BODY, BUSHING, CLAMP 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: 1.16:1 MAXIMUM  
 INSERTION LOSS: 0.04 X  $\sqrt{f}$  (GHz)  
 DWV: 2500 Vrms

## 4. PCI P/N: 3177

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

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SHEET SCALE: 2:1

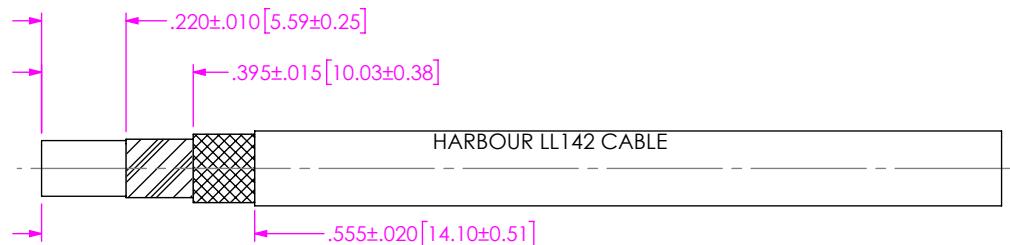
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail: info@SAMTEC.com code 55322

**samtec**  
 DESCRIPTION: N PLUG(18GHZ), SOLDER CLAMP FOR  
 HARBOUR LL142 CABLE

DWG. NO.

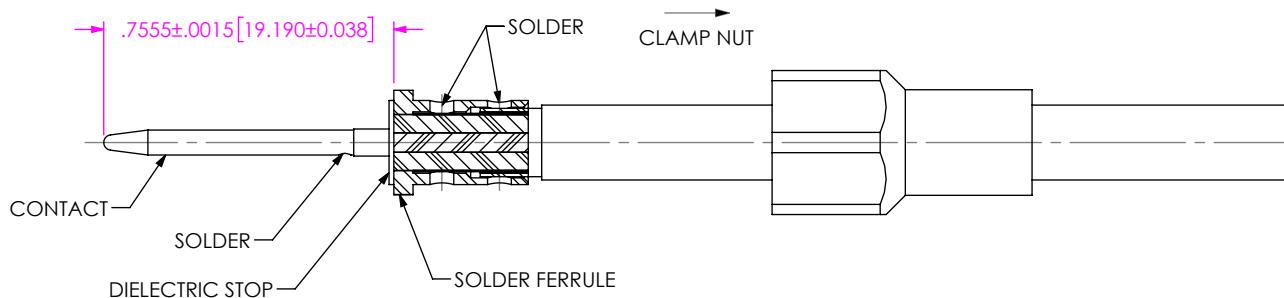
PRF06-P-C-EP-142-SS

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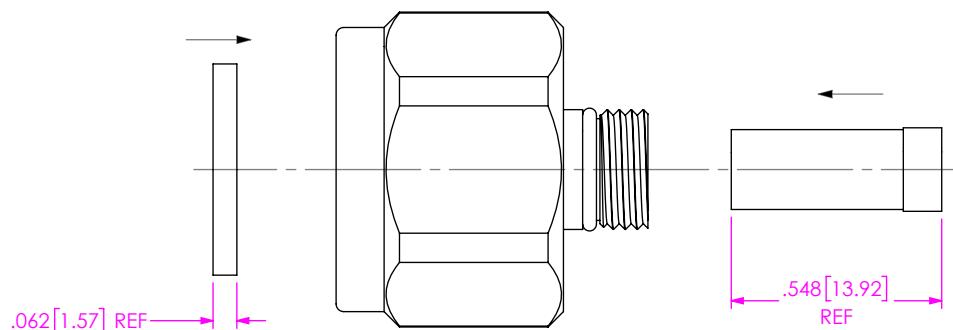
1. TRIM CABLE AS SHOWN

IN-PROCESS VIEW 1



2A. SLIDE CLAMP NUT OVER CABLE AS SHOWN.  
 2B. INSERT CABLE INTO SOLDER FERRULE AS SHOWN THEN  
 SOLDER BRAIDS TO FERRULE WHERE INDICATED.  
 2C. TRIM EXPOSED CABLE DIELECTRIC FLUSH WITH SOLDER  
 FERRULE FACE.  
 2D. SLIDE DIELECTRIC STOP CABLE CENTER  
 CONDUCTORS AGAINST FERRULE FACE AND SOLDER  
 CONTACT FLUSH AGAINST STOP TO DIMENSION SHOWN

IN-PROCESS VIEW 2



3A. INSTALL INSULATOR &amp; GASKET INTO SUB ASSEMBLY

IN-PROCESS VIEW 3

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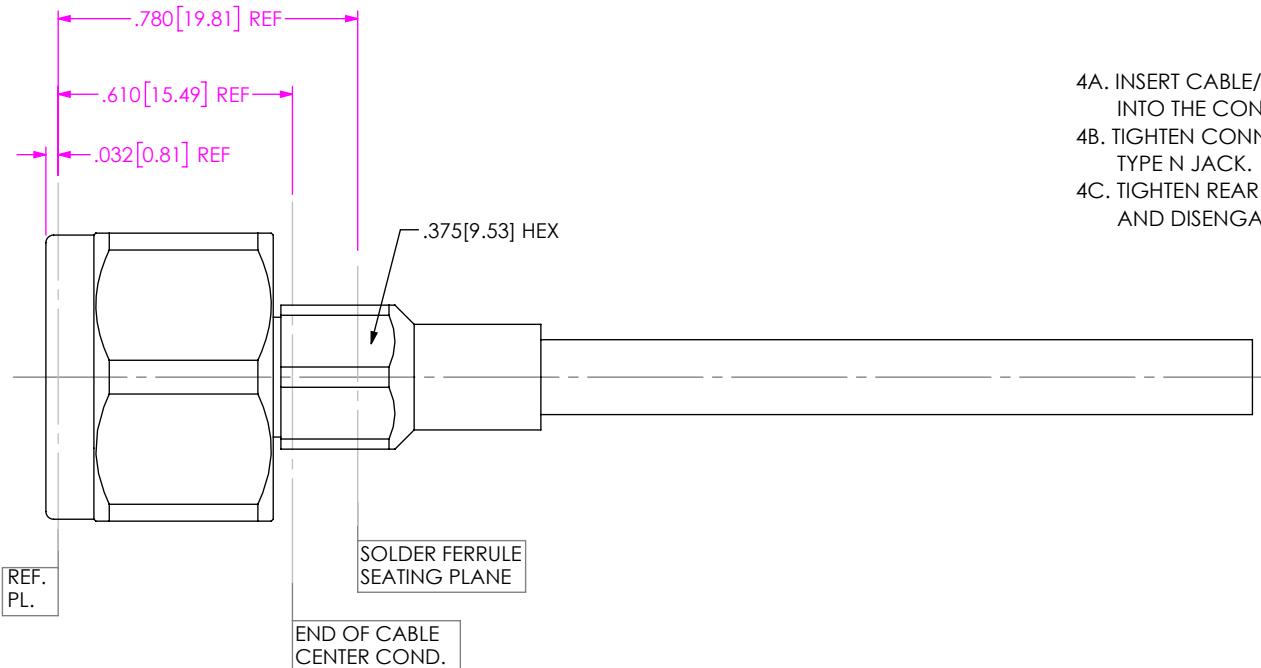
SHEET SCALE: 2:1

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DESCRIPTION: N PLUG(18GHZ). SOLDER CLAMP  
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4A. INSERT CABLE/CONTACT SUB-ASSEMBLY  
INTO THE 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 VIEW 4

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