

DO NOT
SCALE FROM
THIS PRINT

DESIGNED & DIMENSIONED
IN INCHES[MILLIMETERS]

PRF01-P-C-EE-047F-SD

SERIES
-01: SMA

GENDER
-P: PLUG

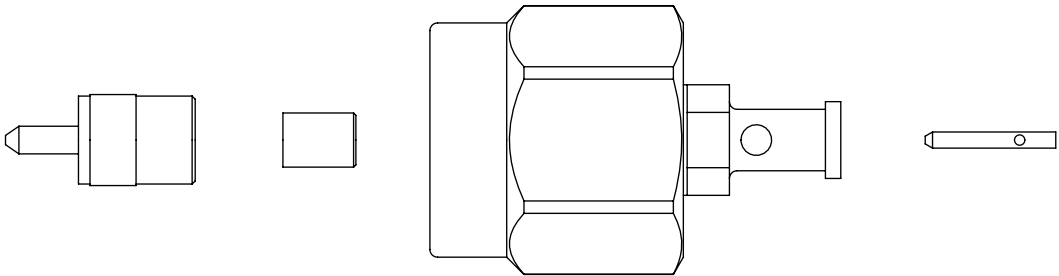
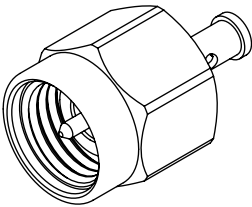
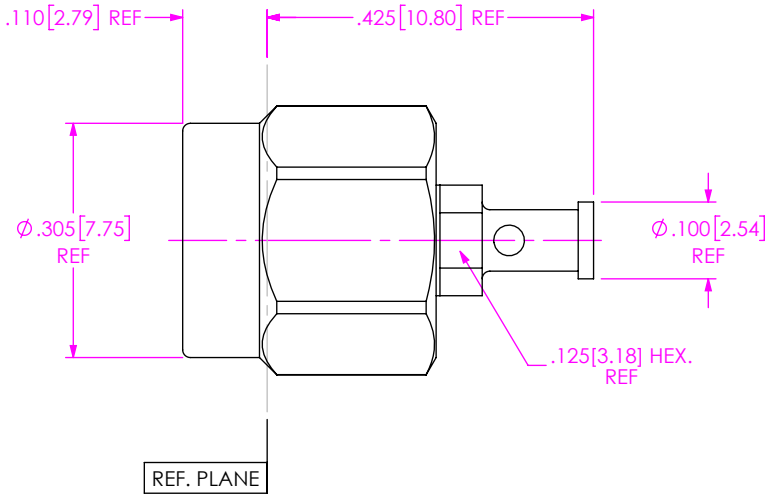
TYPE
-C: CABLE

TERMINATION
-D: DIRECT SOLDER

ORIENTATION
-S: STRAIGHT

CABLE TYPE
-047F: STORM 421-1149

FINISH
-EE: 50µ" EXTRA HEAVY GOLD CENTER CONTACT,
50µ" EXTRA HEAVY GOLD OUTER BODY



EXPLODED VIEW
NOT TO SCALE
(FOR CLARITY ONLY)

- NOTES:
- MATERIAL:
BODY, COUPLING: STAINLESS STEEL.
CONTACTS & LOCK RING: BERYLLIUM COPPER.
GASKET: SILICONE RUBBER.
INSULATORS: PTFE.
 - FINISH:
COUPLING: PASSIVATED.
BODY, CONTACTS: GOLD OVER NICKEL PLATE,
50 µIN MIN GOLD OVER 50 µIN MIN NICKEL.
 - PCI P/N: 3227.

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

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e-Mail: info@SAMTEC.com code 55322

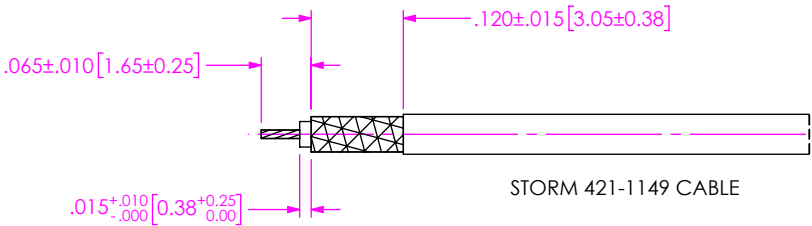
DO NOT SCALE DRAWING

SHEET SCALE: 4:1

DESCRIPTION: SMA PLUG, DIRECT SOLDER FOR
STORM 421-1149 CABLE

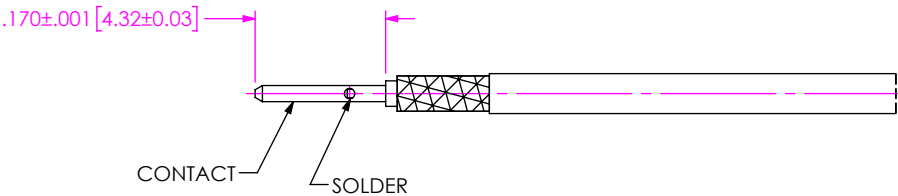
DWG. NO. PRF01-P-C-EE-047F-SD

BY: SAMUEL C 08/10/2020 SHEET 1 OF 3



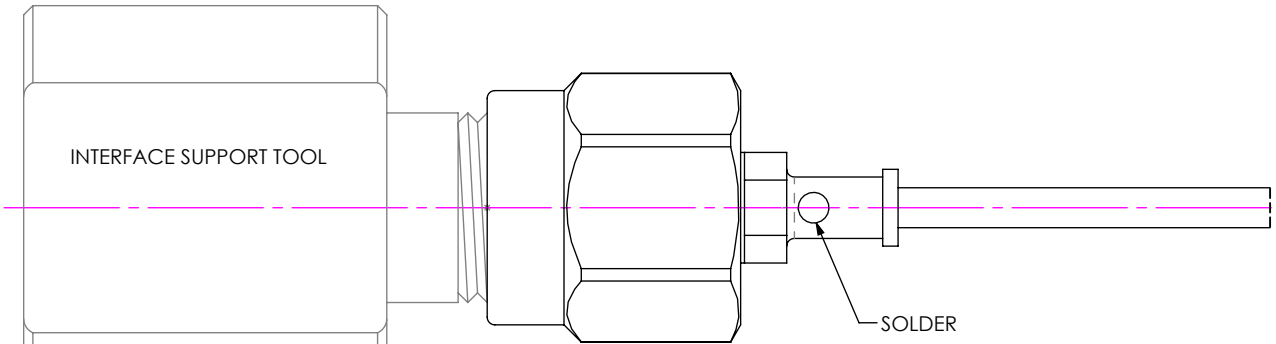
- 1A. TRIM CABLE TO EXPOSE CENTER CONDUCTOR, DIELECTRIC & BRAID AS SHOWN.
- 1B. TIN DIP EXPOSED CENTER CONDUCTOR.

IN-PROCESS 1



- 2. HEAT CONTACT AND SLIDE ONTO CABLE CENTER CONDUCTOR. FEED SOLDER WHERE SHOWN IF NECESSARY.

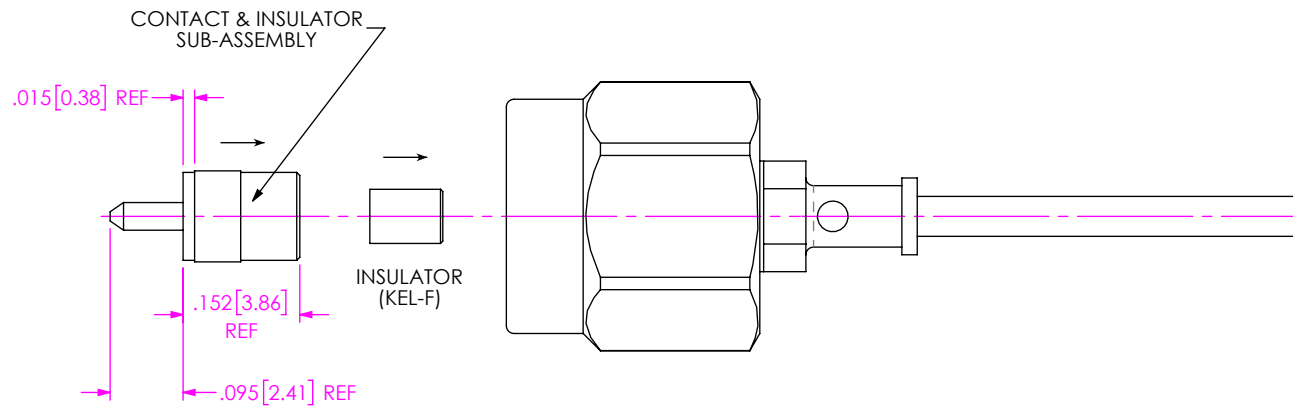
IN-PROCESS 2



- 3A. INSTALL AND TIGHTEN CABLE SOLDERING SUPPORT TOOL.
- 3B. INSERT CABLE/CONTACT SUB-ASSEMBLY INTO CONNECTOR UNTIL CONTACT PLUGS IN AND CABLE SEATS IN CONNECTOR.
- 3C. SOLDER BRAID TO BODY WHERE INDICATED. REMOVE INTERFACE SUPPORT TOOL AFTER CONNECTOR COOLS.

IN-PROCESS 3

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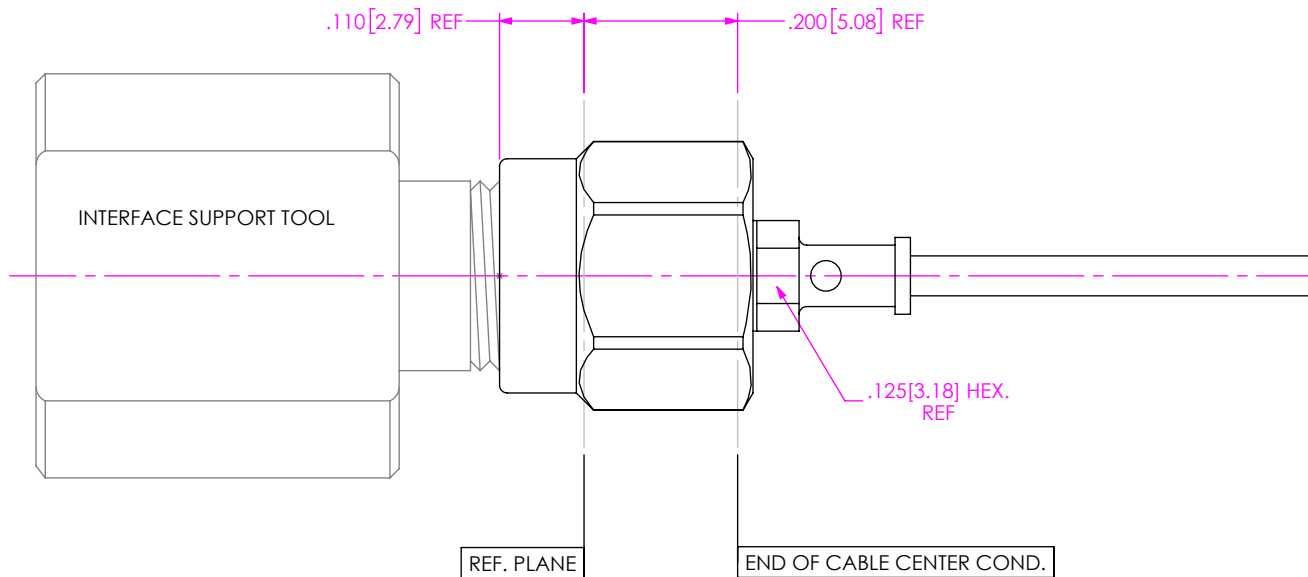


4A. INSTALL REAR INSULATOR INTO BODY WITH C'BORE ORIENTED AS SHOWN.

4B. INSTALL CONTACT AND INSULATOR SUB-ASSEMBLY INTO CONNECTOR AS SHOWN USING PCI FUNNEL AND PLUNGER TOOLS.

4C. INSTALLED CONTACT SHALL EXTEND .084/.090 BEYOND THE CONNECTOR REFERENCE PLANE. INSTALLED DIELECTRIC SHALL BE .004/.008 SUB-FLUSH TO REFERENCE PLANE.

IN-PROCESS 4



5. USE STORM INTERFACE SUPPORT TOOL TO SUPPORT INTERFACE DIELECTRIC DURING ANY THERMAL CYCLING OPERATIONS IF REQUIRED.

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IN-PROCESS 5