

DO NOT
SCALE FROM
THIS PRINT

DESIGNED & DIMENSIONED
IN INCHES[MILLIMETERS]

PRF92-P-C-EE-405-SD-X

SERIES
-92: 2.92MM

GENDER
-P: PLUG

TYPE
-C: CABLE

PLATING

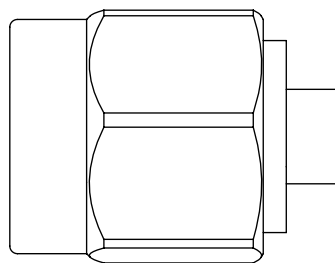
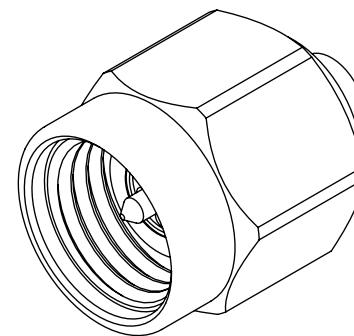
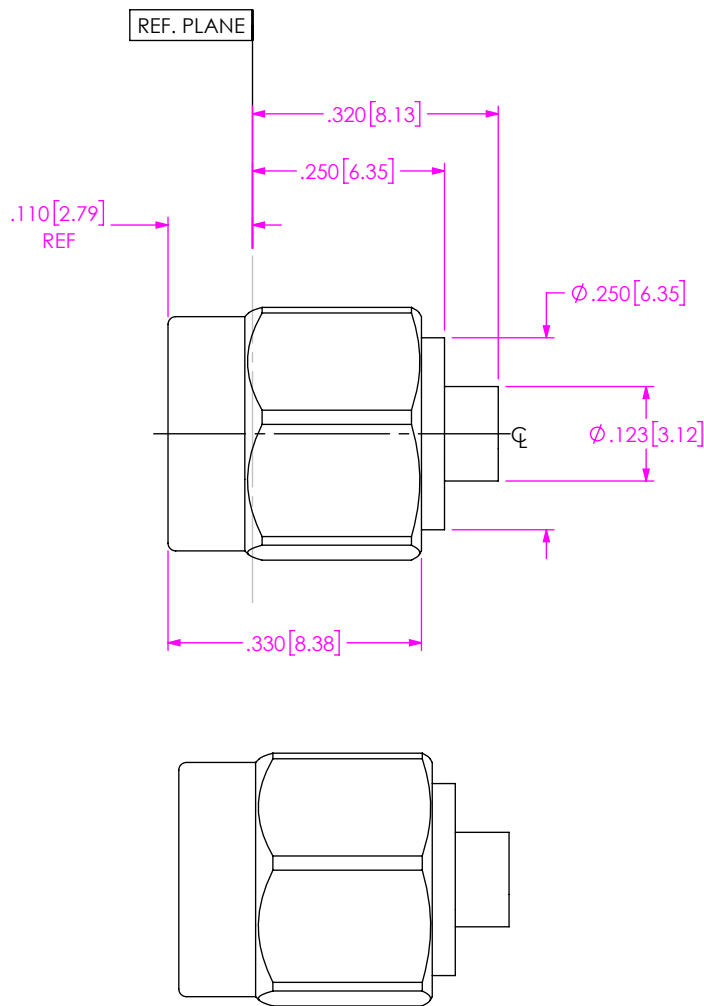
-EE: 50µ" EXTRA HEAVY GOLD
CENTER CONTACT, 50µ" EXTRA HEAVY
GOLD OUTER CONTACT

PACKAGING
-B: BULK (IN INCREMENTS OF 50)
(BLANK): STANDARD
PACKAGING

TERMINATION
-D: DIRECT SOLDER

ORIENTATION
-S: STRAIGHT


CABLE TYPE
-405: RG-405 SEMI RIGID



EXPLODED VIEW
NOT TO SCALE
(FOR CLARITY ONLY)

- MATERIAL:
COUPLING NUT: STAINLESS STEEL
BODY, CONTACT, LOCK RING: BERYLLIUM COPPER
BEAD: PPE
GASKET: SILICONE RUBBER
- FINISH:
COUPLING NUT: PASSIVATED
BODY, CONTACT: 50µ" MIN. GOLD OVER 50µ" MIN. NICKEL PLATE
- PERFORMANCE:
IMPEDANCE: 50 Ω
FREQUENCY: DC TO 40 GHZ
VSWR: 1.18: 1
MAXIMUM INSERTION LOSS: 0.03 X √F(GHZ)
DWV: 1100 VRMS
- PCI P/N: 3146
- BULK PACKAGING OPTION (-B) FOR ORDERS IN INCREMENTS OF 50 PCS.

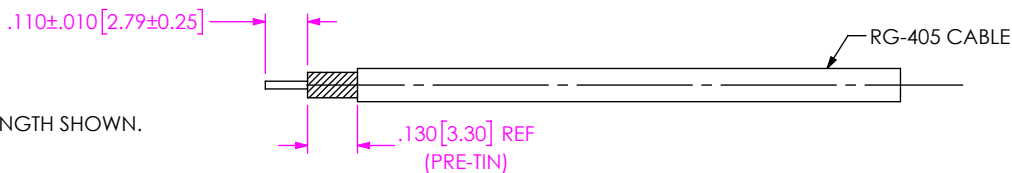
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX: ±.01 [0.3] 1° .XXX: ±.005 [0.13] .XXXX: ±.0005 [0.013]	* PROPRIETARY NOTE * THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, 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: 4:1	DESCRIPTION: 2.92 MM PLUG ASSEMBLY FOR RG-405 CABLE
BY: SHERRY W 2/1/2019		SHEET 1 OF 4	

CABLE APPLICATION VIEWS

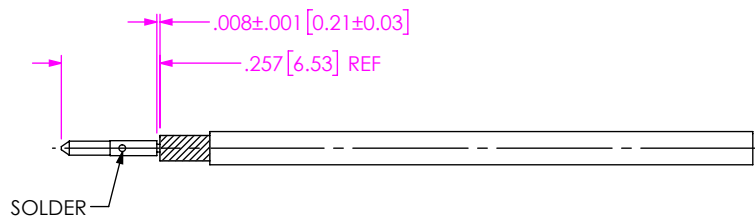
PART NUMBER WAS 1-000-2085-2

- 1A. TRIM CABLE JACKET & DIELECTRIC TO EXPOSE CENTER CONDUCTOR AS SHOWN (DO NOT NICK CENTER CONDUCTOR).
- 1B. PRE-TIN CABLE JACKET TO THE APPROXIMATE LENGTH SHOWN.

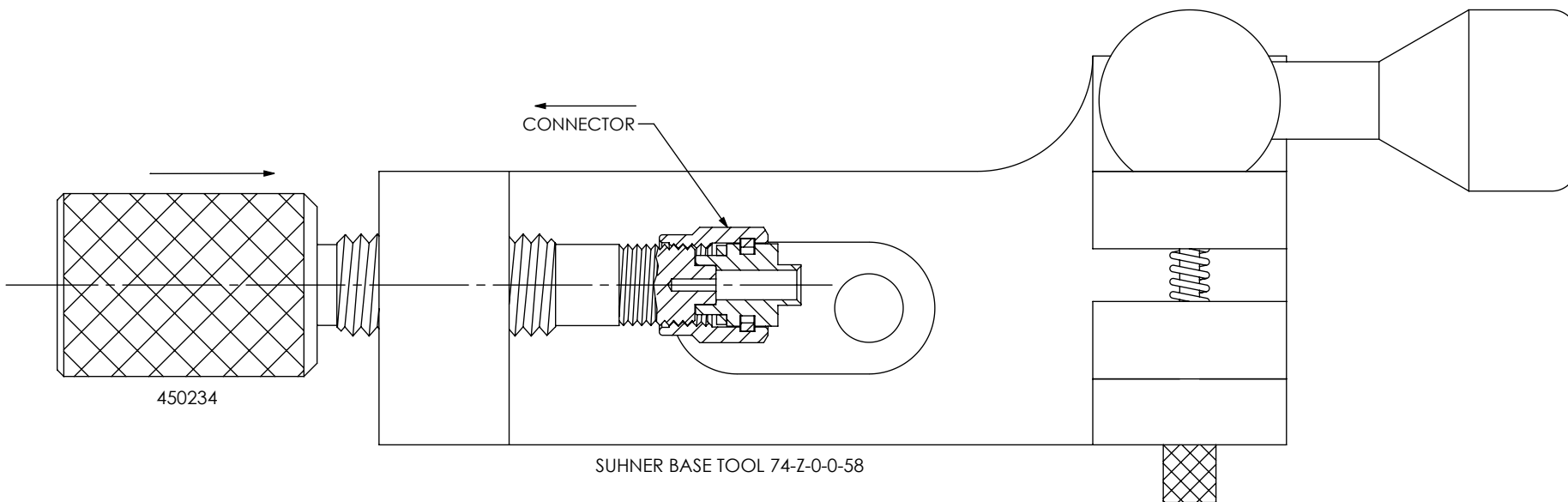


IN-PROCESS VIEW 1

- 2A. PRE-TIN CABLE CENTER CONDUCTOR AND SOLDER ON CONTACT WITH GAP SHOWN.



IN-PROCESS VIEW 2



- 3A. THREAD PCI ASSEMBLY TOOL 450234 INTO SUHNER BASE. THEN THREAD CONNECTOR BODY ONTO PCI TOOL UNTIL SEATED.

IN-PROCESS VIEW 3

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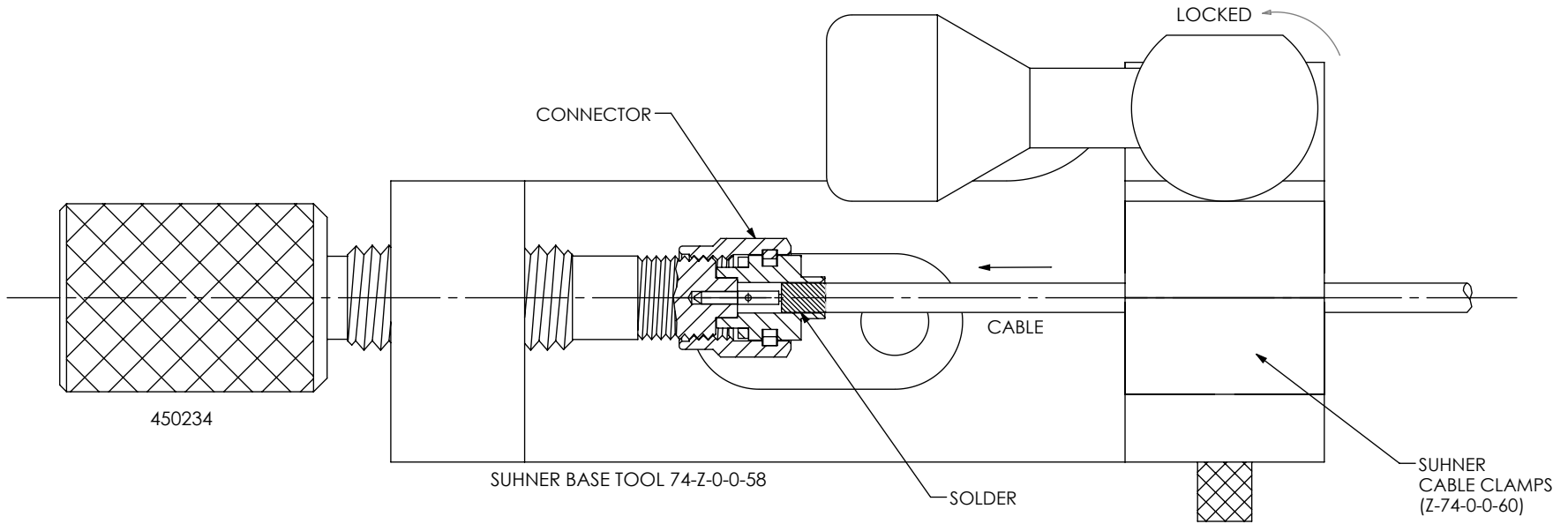
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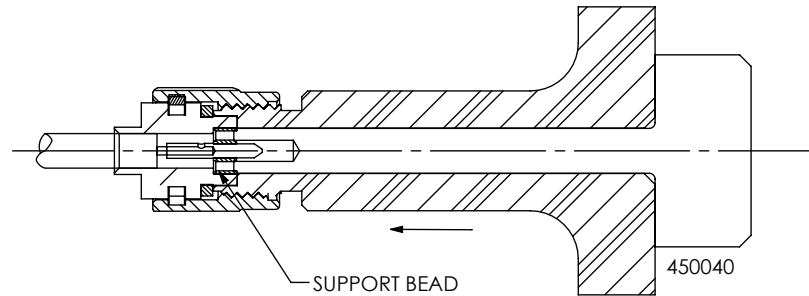
CABLE APPLICATION VIEWS

4A. SLIDE PREPARED CABLE THROUGH CABLE CLAMP BLOCKS AND INSERT CABLE INTO CONNECTOR BACK END UNTIL FULLY SEATED. THEN LOCK CABLE IN PLACE BY ROTATING LEVER ARM.

4B. HEAT CONNECTOR BODY BACK END AND REFLOW SOLDER CABLE TO CONNECTOR.
 4C. FLOW ADDITIONAL SOLDER AT REAR OF BODY WHERE INDICATED IF NECESSARY.



IN-PROCESS VIEW 4



5. REMOVE CONNECTOR FROM SUHNER BASE TOOL AND INSTALL DIELECTRIC SUPPORT BEAD USING PCI TOOL SET 450040

IN-PROCESS VIEW 5

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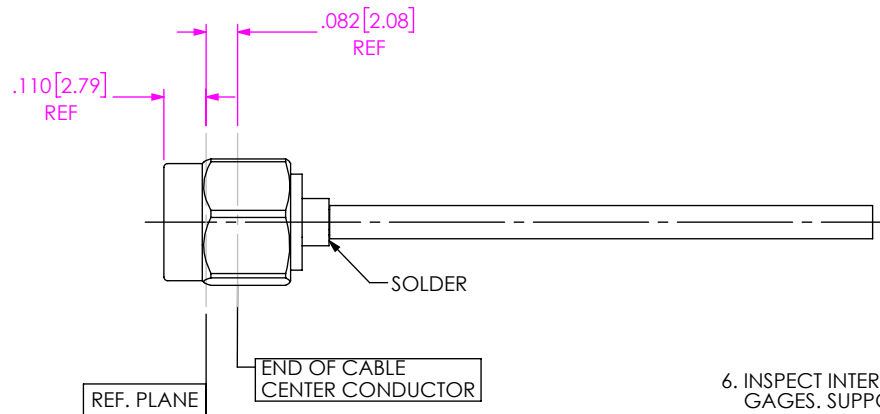
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6. INSPECT INTERFACE INSULATION RECESSON USING THE APPROPRIATE GAGES. SUPPORT BEAD INNER AND OUTER SURFACES TO BE SUB-FLUSH WITH BODY REFERENCE PLANE.

IN-PROCESS VIEW 6

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