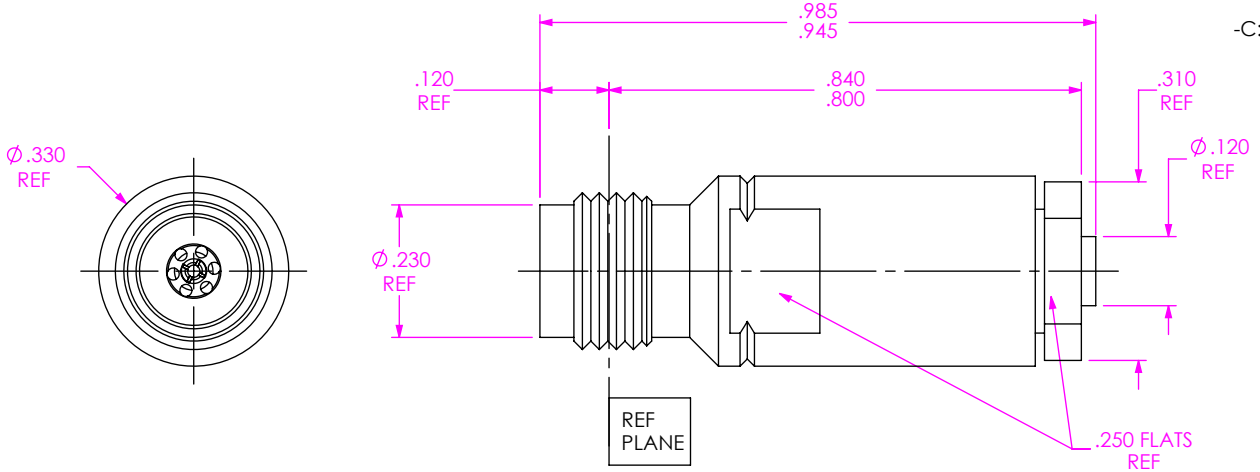
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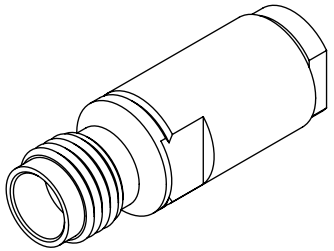
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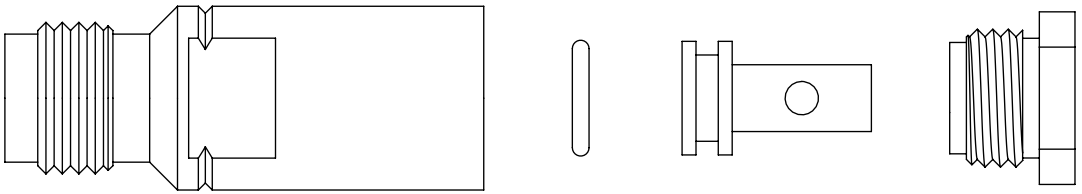
DESIGNED & DIMENSIONED IN INCHES[MILLIMETERS]

PRF24-J-C-EP-085-SS

- SERIES: -24: 2.4mm
- GENDER: -J: JACK
- TYPE: -C: CABLE
- FINISH: -EP: 50µ" EXTRA HEAVY GOLD CENTER CONTACT, PASSIVATED OUTER CONTACT
- CABLE TYPE: -085: HARBOUR SS405
- ORIENTATION: -S: STRAIGHT
- ORIENTATION: -S: SOLDER CLAMP







EXPLODED VIEW
NOT TO SCALE
(FOR CLARITY ONLY)

NOTES:

1. MATERIAL:
   BODY, OUTER CONTACT, CLAMP NUT: STAINLESS STEEL.
   O-RING: SILICONE RUBBER.
   SOLDER FERRULE: BRASS.
   BEAD: ULTEM.
   CONTACT: BERYLLIUM COPPER.

2. FINISH:
   BODY, OUTER CONTACT, CLAMP NUT: PASSIVATED.
   SOLDER FERRULE, PIN: GOLD OVER NICKEL PLATE,
   50 µIN MIN GOLD OVER 50 µIN MIN NICKEL.

3. PERFORMANCE:
   IMPEDANCE: 50 Ω
   FREQUENCY: DC TO 50 GHz
   VSWR: 1.18: 1 MAXIMUM
   INSERTION LOSS: 0.03 x √f(GHz)
   DWV: 1150 Vrms

4. PCI PART NUMBER: 3864.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS: .XX: ±.01, .XXX: ±.002, .XXXX: ±.0005
ANGLES: 1 °

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SHEET SCALE: 3:1

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

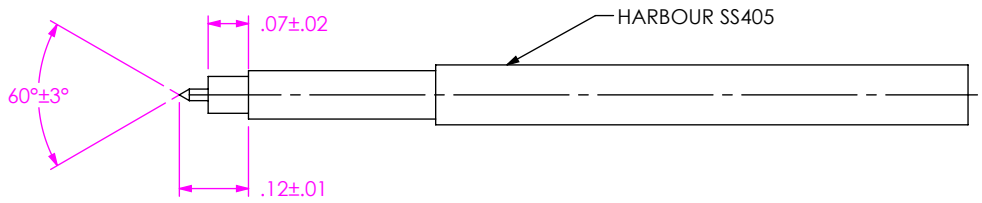
DESCRIPTION: 2.4MM JACK. SOLDER CLAMP FOR HARBOUR SS405

DWG. NO. PRF24-J-C-EP-085-SS

BY: EVE L 04/29/2019 SHEET 1 OF 2

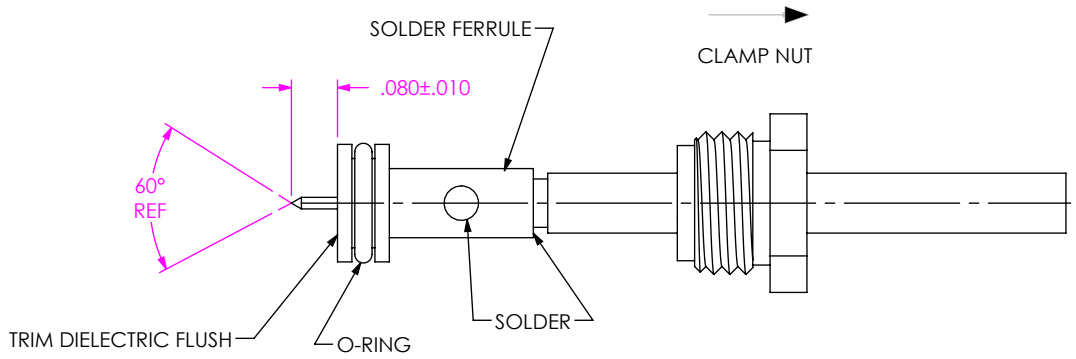
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REVISION B



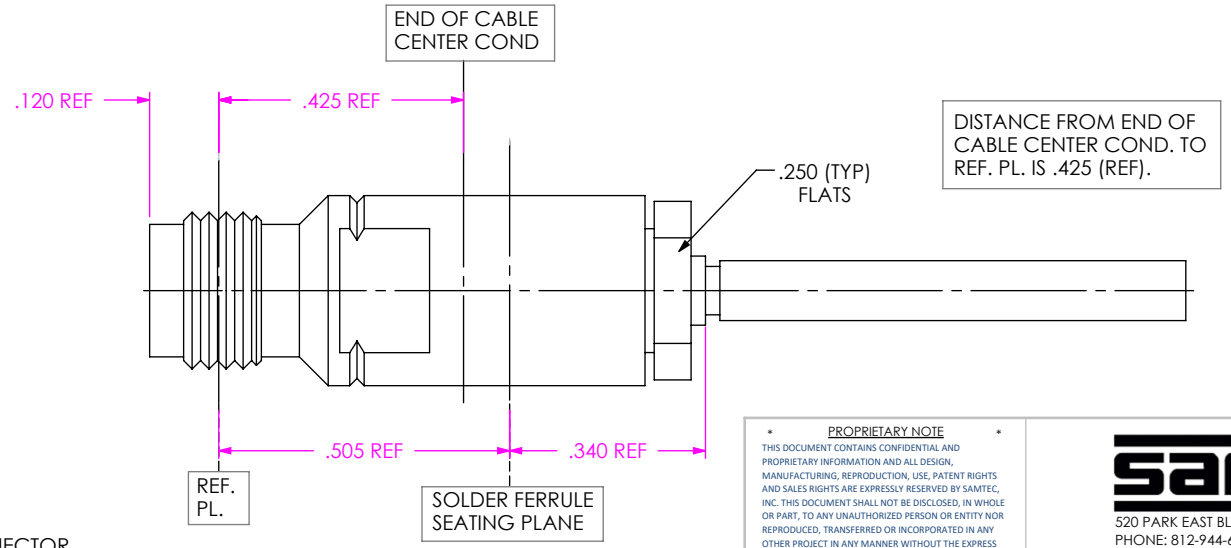
1A. TRIM CABLE JACKET TO EXPOSE DIELECTRIC & CENTER CONDUCTOR AS SHOWN.
1B. POINT CENTER CONDUCTOR AS SHOWN.

IN-PROCESS 1



2A. SLIDE CLAMP NUT OVER CABLE AS SHOWN.
2B. INSTALL CABLE INTO SOLDER FERRULE UNTIL SEATED AND SOLDER WHERE SHOWN.
2C. TRIM CABLE DIELECTRIC FLUSH TO FACE OF SOLDER FERRULE (DO NOT NICK CENTER CONDUCTOR)
2D. INSTALL O-RING INTO GROOVE IN SOLDER FERRULE FLANGE AS SHOWN.

IN-PROCESS 2



3A. INSERT CABLE/ FERRULE SUB-ASSEMBLY INTO CONNECTOR UNTIL SEATED AND TIGHTEN CLAMP NUT TO 25-35 IN. LBS.
3B. GAGE INTERFACE USING APPROPRIATE GAGE. (CONTACT RANGE 000/.003 SUB-FLUSH)

IN-PROCESS 3

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SHEET SCALE: 2:1

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BY: EVE L 04/29/2019 SHEET 2 OF 2