REVISION A

PRF04-P-C-EP-190-SS

SERIES
-04: TNCA

GENDER
-P: PLUG

TYPE
-C: CABLE

FINISH
-EP: 50µ" EXTRA HEAVY GOLD CENTER CONTACT, PASSIVATED OUTER CONTACT

CABLE TYPE
-190: SEMFLEX HP190

ORIENTATION
-S: STRAIGHT

TERMINATION
-S: SOLDER CLAMP

.562[14.27] HEX

1.27[32.1]

1.05[26.7]

Ø.370[9.40] (2 PLCS)

Ø.625[15.88] (ACROSS HEX PTS)

Ø.276[7.01]

.030[0.76] REF

.635[16.13] REF

.343[8.71] HEX

.343[8.71] FLATS

REF. PL.

SOLDER FERRULE SEATING PLANE

EXPLODED VIEW
NOT TO SCALE
(FOR CLARITY ONLY)

NOTES:

1. MATERIAL:
    BODY, CLAMP NUT, BUSHING, COUPLING NUT: STAINLESS STEEL
    CONTACT, LOCK RING: BERYLLIUM COPPER
    SOLDER FERRULE: BRASS ALLOY
    INSULATOR: PTFE
    BEADS: PEI
    O-RING, GASKET: SILICONE RUBBER

2. FINISH:
    BODY, CLAMP NUT, BUSHING, COUPLING NUT: PASSIVATED
    CONTACT, SOLDER FERRULE: 50µ" MIN. GOLD OVER 50µ" MIN. NICKEL PLATE

3. PCI P/N: 3303

F:\DWG\MISC\MKTG\PRF04-P-C-EP-190-SS-MKT.SLDDRW

samtec
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733   FAX: 812-948-5047
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DESCRIPTION: TNCA PLUG. SOLDER CLAMP FOR SEMFLEX HP190 CABLE

DWG. NO. PRF04-P-C-EP-190-SS

BY: CHRISTIAN S. 05/07/2019   SHEET 1 OF 3

ROUND BRAID

.230±.010[5.84±0.25]

SEMFLEX HP190 CABLE

DIELECTRIC

.175±.015[4.45±0.38]

.335±.020[8.51±0.51]

1. TRIM CABLE TO EXPOSE DIELECTRIC
CORE AND BRAID AS SHOWN.

IN-PROCESS VIEW 1

SOLDER FERRULE

TRIM CABLE
DIEL. FLUSH

CLAMP NUT

.180[4.57]
REF

SOLDER

O-RING
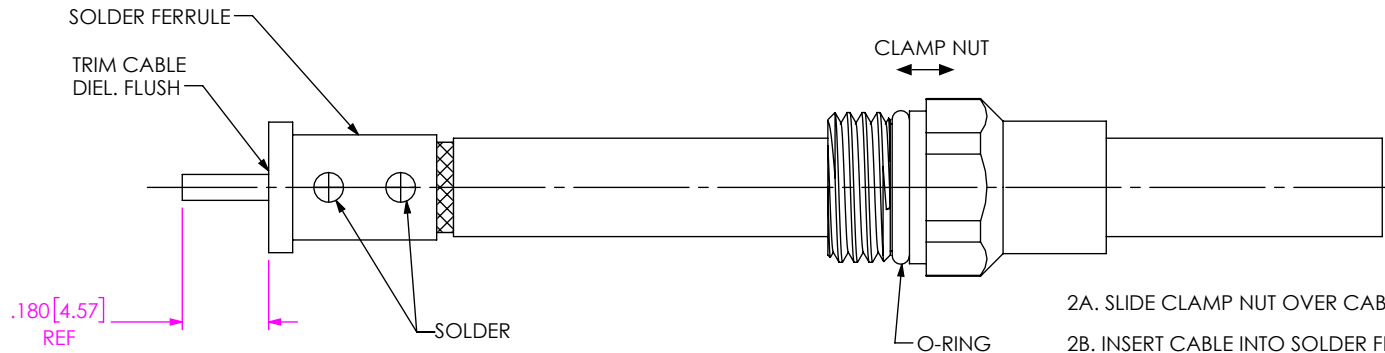
2A. SLIDE CLAMP NUT OVER CABLE AS SHOWN.

2B. INSERT CABLE INTO SOLDER FERRULE UNTIL FWD. BRAID SEATS
THEN SOLDER BOTH CABLE BRAIDS WHERE SHOWN.

2C. TRIM CABLE DIELECTRIC FLUSH TO SOLDER FERRULE.

IN-PROCESS VIEW 2

ULTEM STOP

CONTACT

.424±.002[10.77±0.05]
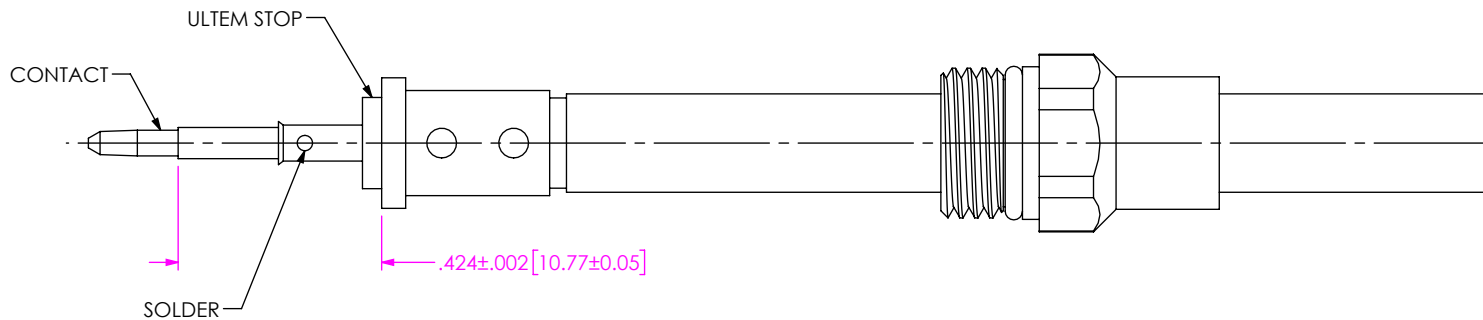
SOLDER

3A. SLIDE ULTEM DIELECTRIC STOP OVER CABLE CENTER CONDUCTOR
AGAINST SOLDER FERRULE AS SHOWN.

3B. SOLDER CONTACT FLUSH AGAINST STOP TO DIMENSION SHOWN.

IN-PROCESS VIEW 3

DO NOT SCALE DRAWING

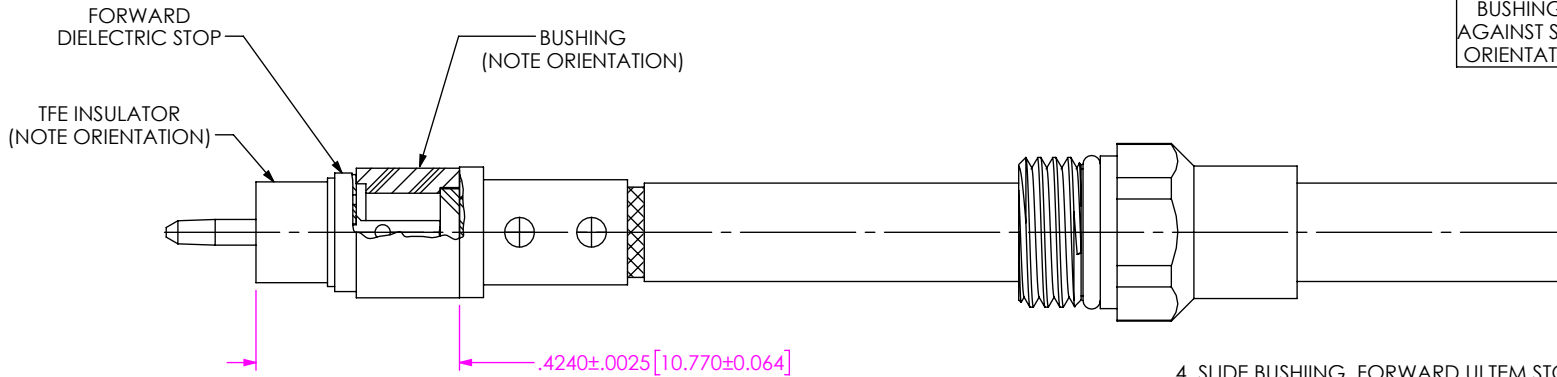SHEET SCALE: 2.5:1

DESCRIPTION: TNCA PLUG. SOLDER CLAMP FOR
SEMFLEX HP190 CABLE

DWG. NO.
PRF04-P-C-EP-190-SS

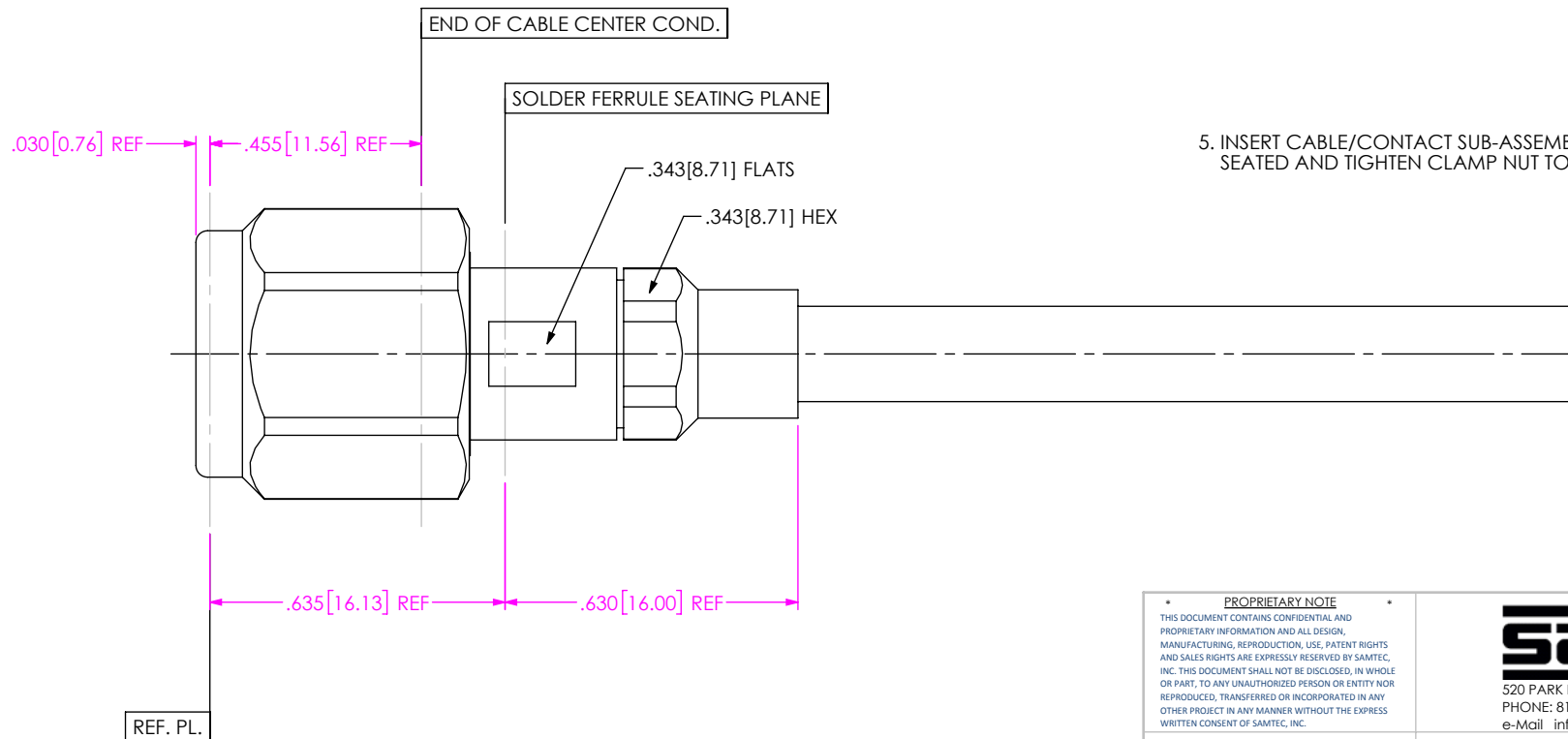BY: CHRISTIAN S 05/07/2019   SHEET 2 OF 3

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REVISION A

FORWARD
DIELECTRIC STOP

BUSHING
(NOTE ORIENTATION)

TFE INSULATOR
(NOTE ORIENTATION)

*********NOTE*********
BUSHING WILL NOT SEAT
AGAINST SOLDER FERRULE IF
ORIENTATION IS REVERSED.

.4240±.0025[10.770±0.064]

4. SLIDE BUSHIING, FORWARD ULTEM STOP & FORWARD TEFLON
INSULATOR OVER CONTACT AS SHOWN. (NOTE: ORIENT BUSHING
WITH DEEPER SMALLER DIAMETER C'BORE TOWARD SOLDER FERRULE.
ORIENT FORWARD TFE INSULATOR WITH SHOULDER TOWARD
DIELECTRIC STOP).

IN-PROCESS VIEW 4

END OF CABLE CENTER COND.

SOLDER FERRULE SEATING PLANE

.030[0.76] REF

.455[11.56] REF

.343[8.71] FLATS

.343[8.71] HEX

5. INSERT CABLE/CONTACT SUB-ASSEMBLY INTO CONNECTOR UNTIL
SEATED AND TIGHTEN CLAMP NUT TO 35-45 IN/LBS

.635[16.13] REF

.630[16.00] REF

REF. PL.

IN-PROCESS VIEW 5

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DO NOT SCALE DRAWING

SHEET SCALE: 2.5:1

DESCRIPTION: TNCA PLUG. SOLDER CLAMP FOR
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DWG. NO. PRF04-P-C-EP-190-SS

BY: CHRISTIAN S. 05/07/2019 | SHEET 3 OF 3