

DO NOT SCALE FROM THIS PRINT

Ⓟ THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

SMB5-P-C-XX-RA-CA1

GENDER
-P: PLUG

TYPE
-C: CABLE

TERMINATION
-CA1: CABLE (RG174 OR RG316)

ORIENTATION
-RA: RIGHT ANGLE

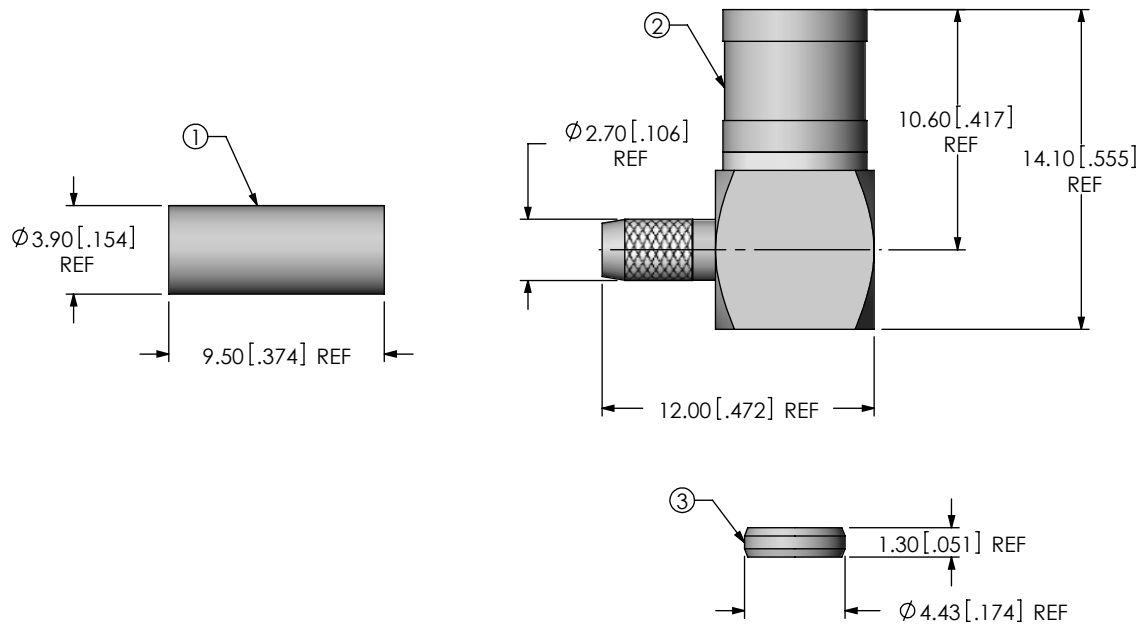
J

TABLE 1			
ITEM	COMPONENT	-HN	-H
1	OUTER FERRULE	SMA-FER-001-N	SMA-FER-001-F
2	SUB ASSEMBLY	SUB-SMB5-P-C-HN-RA-CA1	SUB-SMB5-P-C-H-RA-CA1
3	CAP	SMB5-CAP-001-N	SMB5-CAP-001-F

PLATING **J**

-HN: 30μ" GOLD CENTER CONTACT, 100μ" NICKEL OUTER CONTACT

-H: 30μ" GOLD CENTER CONTACT, 3μ" GOLD OUTER CONTACT (SEE TABLE 1)



NOTES: **J**

- Ⓟ REPRESENTS A CRITICAL DIMENSION.
- CENTER CONTACT PUSHOUT FORCE = 17.79 N [4.0 LB] MIN.
- NOTE DELETED.
- NOTE DELETED.
- PRODUCT TO BE PACKAGED PER PACKAGING STANDARD CO-HD-WI-3040-M.
- NOTE DELETED.
- NOTE DELETED.
- NOTE DELETED.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE:

DECIMALS ANGLES

.X: ±0.3 [.01] 5° **J**

.XX: ±0.13 [.005]

.XXX: ±0.051 [.0020]

PROPRIETARY NOTE

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

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:1

SHELL, FERRULE, CAP: BRASS
CONTACT: COPPER ALLOY
DIELECTRIC: PTFE

DESCRIPTION:
SMB RIGHT ANGLE CABLE PLUG, RG174 & RG316-50 OHM

DWG. NO.
SMB5-P-C-XX-RA-CA1

REVISION J



1.40±0.30 [.06±.012]



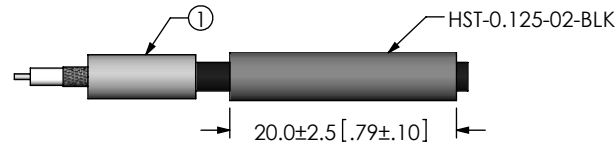
4.30±0.30 [.17±.012]



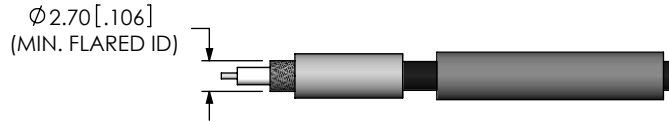
9.50±0.30 [.37±.012]



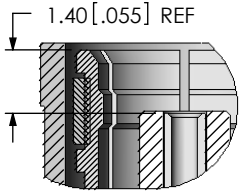
J
IN-PROCESS 1
STRIP AND TIN INNER CONDUCTOR



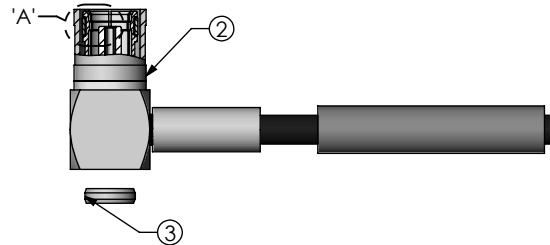
J
IN-PROCESS 2
ADD HEAT SHRINK TUBE AND FERRULE



J
IN-PROCESS 3
FLARE SHIELD



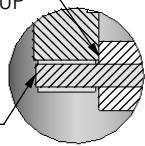
DETAIL 'A'
SCALE 6:1



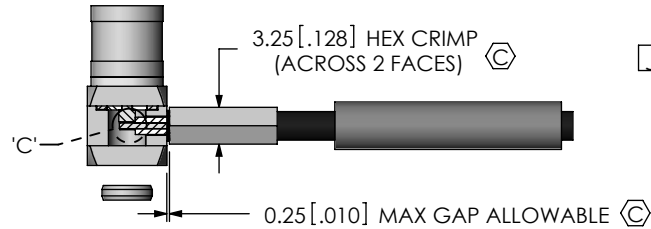
J
IN-PROCESS 4
ADD SUB ASSEMBLY

END OF CABLE DIELECTRIC SHOULD SEAT AGAINST CONTACT CUP

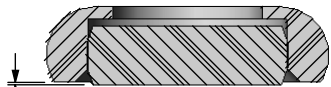
CABLE CENTER CONDUCTOR SHOULD NOT PROTRUDE OUTSIDE CONTACT CUP AFTER FERRULE IS CRIMPED



DETAIL 'C'
SCALE 6:1

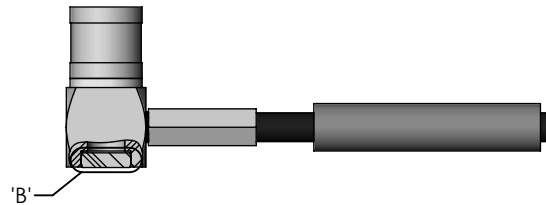


J
IN-PROCESS 5
CRIMP FERRULE AND SOLDER SIGNAL PIN
(USE RF CRIMP HAND TOOL # CAT-HT-126667-21 OR EQUIVALENT)

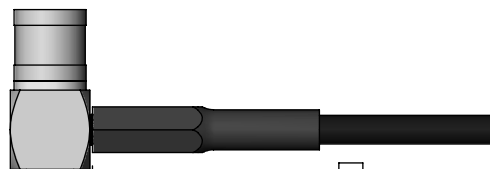


0.00±0.10 [.000±.004]

DETAIL 'B'
SCALE 6:1



J
IN-PROCESS 6
INSERT CAP



0.6 [.03] MAX GAP ALLOWABLE

J
IN-PROCESS 7
APPLY HEAT SHRINK TUBING

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PHONE: 812-944-6733 FAX: 812-948-5047
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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
SMB RIGHT ANGLE CABLE PLUG, RG174 & RG316-50 OHM

DWG. NO.

SMB5-P-C-XX-RA-CA1

BY: G.HERMAN

12/11/2007

SHEET 2 OF 2