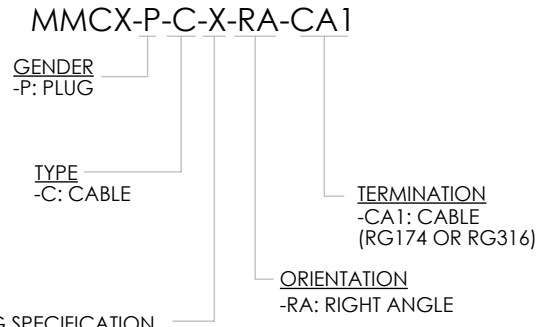


**THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING**

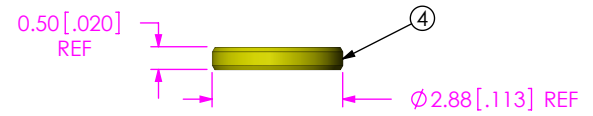
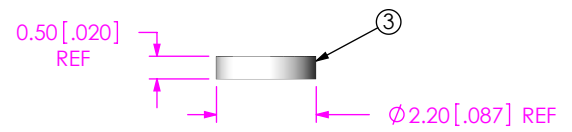
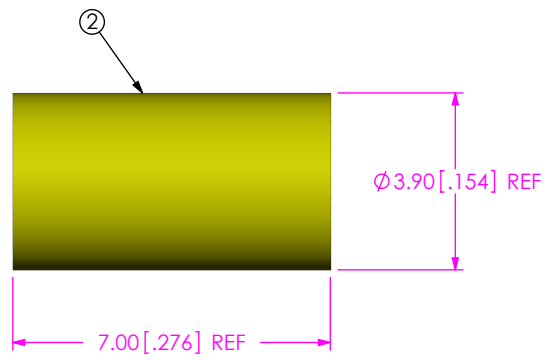
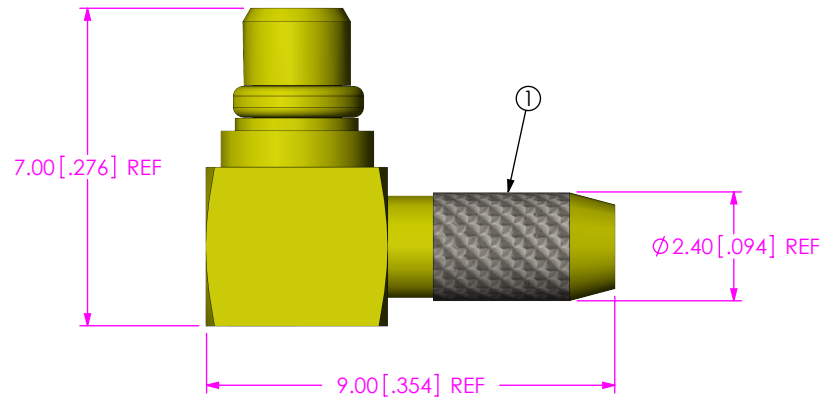
**DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]**

DO NOT SCALE FROM THIS PRINT

TABLE 1		
ITEM	COMPONENT	-H
1	SUB ASSEMBLY	SUB-MMCX-P-C-HF-RA-CA1
2	FERRULE	MCX-FER-002-F
3	INSULATOR	MMCX-INS-001
4	CAP	MMCX-CAP-001-F



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



- NOTES:
- ⊙ REPRESENTS A CRITICAL DIMENSION.
  - CENTER CONTACT PUSHOUT FORCE: 26.69 N [6LB] MIN
  - NOTE DELETED.
  - NOTE DELETED.
  - PRODUCT TO BE PACKAGED PER PRECISION RF SECTION OF PACKAGING MANUAL
  - NOTE DELETED.
  - NOTE DELETED.
  - NOTE DELETED.

F:\DWG\SW\Exisprod\Assembly\Rf\Mmcx\Mmcx-p-c-x-ra-ca1\MMCX-P-C-X-RA-CA1-X-ASM.slddrw

**UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES].**  
 TOLERANCES ARE:  
 DECIMALS ANGLES  
 .X: ±0.3 [.01] 5°  
 .XX: ±0.13 [.005]  
 .XXX: ±0.051 [.0020]

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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: 6:1  
 SHELL, FERRULE, CAP: BRASS  
 CONTACT: BRASS  
 DIELECTRIC: PTFE

DESCRIPTION:  
 MMCX R/A CABLE PLUG, RG174 & RG316- 50 OHM

DWG. NO.  
**MMCX-P-C-X-RA-CA1**

BY: R MUSSER 02/06/2008 SHEET 1 OF 2



1.50±0.30 [.059±.012]



2.70±0.30 [.106±.012]



7.60±0.30 [.299±.012]

RG174 OR RG316 CABLE

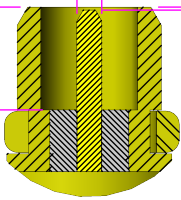


IN-PROCESS 1  
STRIP AND TIN INNER CONDUCTOR

0.05 [.002] REF  
TO CENTER CONTACT

Ø0.41 [.016] REF

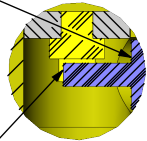
1.70 [.067] REF  
TO INSULATOR



DETAIL 'A'  
SCALE 8:1

END OF CABLE DIELECTRIC  
SHOULD NOT SEAT AGAINST  
CONTACT CUP

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



DETAIL 'C'

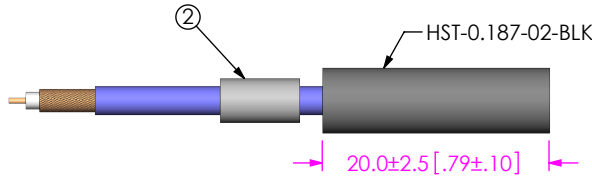


0.00±0.10 [.000±.004]

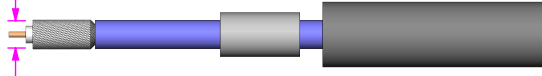
DETAIL 'B'  
SCALE 5:1



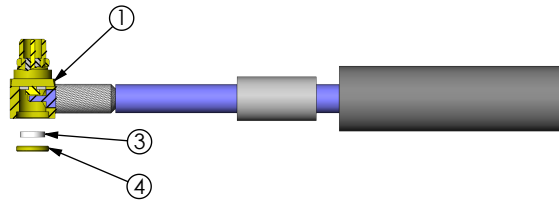
Ø2.40 [.094]  
(MIN. FLARED ID)



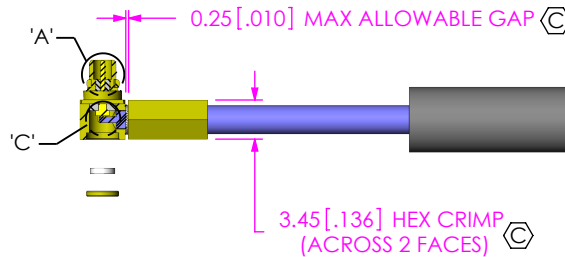
IN-PROCESS 2  
ADD HEAT SHRINK TUBE AND FERRULE



IN-PROCESS 3  
FLARE SHIELD



IN-PROCESS 4  
ADD SUB ASSEMBLY



IN-PROCESS 5  
CRIMP FERRULE & SOLDER SIGNAL PIN  
(USE RF CRIMP HAND TOOL #CAT-RF-FER-001 AND 0.128" DIE SIZE)



IN-PROCESS 6  
INSERT INSULATOR AND CAP

0.6 [.03] MAX GAP ALLOWABLE



IN-PROCESS 7  
APPLY HEAT SHRINK TUBING

F:\DWG\SW\Exisprod\Assembly\RF\Mmcx\Mmcx-p-c-x-ra-ca1\MMCX-P-C-X-RA-CA1-X-ASM.slddrw

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DO NOT SCALE DRAWING

SHEET SCALE: 6:1



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DESCRIPTION:  
MMCX R/A CABLE PLUG, RG174 & RG316- 50 OHM

DWG. NO.  
**MMCX-P-C-X-RA-CA1**

BY: R MUSSER 02/06/2008 SHEET 2 OF 2