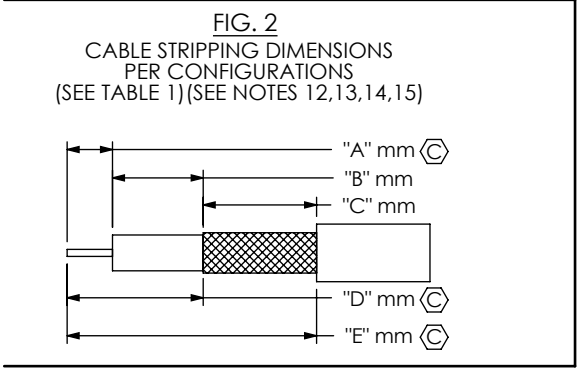




DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

RF25M-XXXXX-XXXXXX-XXXX

DO NOT SCALE FROM THIS PRINT



- CABLE CALLOUT**  
25M: CCA-25M (TEMP-FLEX CABLE)
- END 1 CONNECTOR**  
-01BJ: SMA-J-C-X-ST-BH5 (SEE SHEET 2)  
-01SP: SMA-P-C-X-ST-CA5 (SEE SHEET 2)  
-SCC1: PRB1-P-C-X-ST-CA5 (STD. FERRULE)(SEE SHEET 2)  
-SCC2: PRB2-P-C-X-ST-CA5 (KNURLED FERRULE)(SEE SHEET 2)  
-00SJ: SMP-J-C-XX-ST-CA5 (SEE SHEET 2)  
-00RJ: SMP-J-C-XX-RA-CA5 (SEE SHEET 2)
- END 1 PLATING OPTION**  
1: GOLD ALL COMPONENTS  
7. ALTERNATE GOLD MEDIUM/ GOLD FLASH  
9. ALTERNATE HEAVY GOLD/MEDIUM GOLD (SEE SHEET 2 FOR PLATING SPECIFICS)

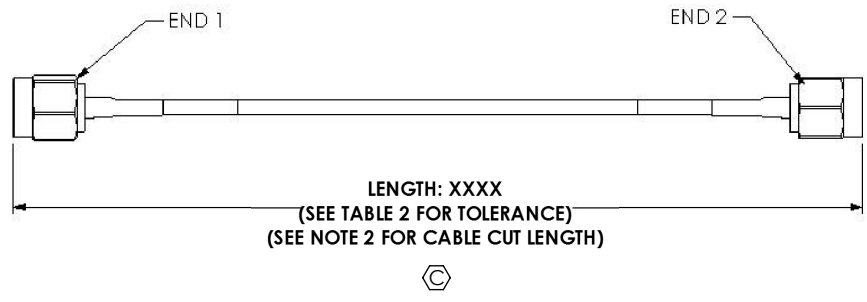
- OVERALL CABLE LENGTH**  
MILLIMETERS OF CABLE  
0100 MIN. (SEE NOTE 8 & 9)
- END 2 PLATING OPTION**  
1: GOLD ALL COMPONENTS  
7. ALTERNATE GOLD MEDIUM/ GOLD FLASH  
9. ALTERNATE HEAVY GOLD/MEDIUM GOLD (LEAVE BLANK FOR -SING OR -XXXXXX END 2 PREPARATION)
- END 2 CONNECTOR OR PREPARATION** (SEE NOTE 19)  
-01BJ: SMA-J-C-X-ST-BH5 (SEE SHEET 2)  
-01SP: SMA-P-C-X-ST-CA5 (SEE SHEET 2)  
-SCC1: PRB1-P-C-X-ST-CA5 (STD. FERRULE) (SEE SHEET 2)  
-SCC2: PRB2-P-C-X-ST-CA5 (KNURLED FERRULE) (SEE SHEET 2)  
-00SJ: SMP-J-C-XX-ST-CA5 (SEE SHEET 2)  
-00RJ: SMP-J-C-XX-RA-CA5 (SEE SHEET 2)  
-SING: SINGLE ENDED (ONE END ONLY,SEE NOTE 11)  
-XXXXXX: STRIPPED AND TINNED (THIS END ONLY-SEE NOTES 11-15, 17 & SHEET 2, FIG. 3)
- (SEE FIG. 2) "C" FORMAT: X.Xmm  
(SEE FIG. 2) "B" FORMAT: X.Xmm  
(SEE FIG. 2) "A" FORMAT: X.Xmm

STYLE	CABLE STRIPPING DIMENSIONS			CABLE CUT LENGTH		HI POT
	"A"	"D"	"E"	SUBTRACTOR	DCV	
-01BJX	3.2 [0.13]	3.2 [0.13]	8.4 [0.33]	9.0 [0.35]	1000	
-01SPX	3.0 [0.12]	3.0 [0.12]	7.3 [0.29]	5.5 [0.22]	1000	
-SCCXX	1.6 [0.06]	1.8 [0.07]	7.3 [0.29]	1.9 [0.07]	1000	
-00SJX	2.4 [0.09]	N/A	5.5 [0.22]	3.8 [0.15]	500	
-00RJX	0.9 [0.04]	1.2 [0.05]	3.8 [0.15]	1.7 [0.07]	500	
-SING	-	-	-	0.0 [0.00]	1000	
-XXXXXX	-	-	-	0.0 [0.00]	1000	

LENGTH	TOLERANCE
0100-0200 [3.92-7.87]	+3.0 [.12]/-0.0 [0.00]
0200-0500 [7.87-19.69]	+5.0 [.20]/-0.0 [0.00]
0500-1100 [19.69-43.30]	+10.0 [.40]/-0.0 [0.00]
>1100 [43.30]	± 1%

DO NOT LEAVE ANY SPACE BLANK, EACH MUST CONTAIN A NUMERIC CHARACTER 0 THRU 9.

- NOTES:
- ⊗ REPRESENTS A CRITICAL DIMENSION
  - CABLE CUT LENGTH:  
= (LENGTH: XXXX) - (SUBTRACTOR FOR END 1) - (SUBTRACTOR FOR END 2)  
(SEE TABLE 1 FOR SUBTRACTORS)
  - ⊗ ASSEMBLY TO BE 100% TESTED FOR OPENS & SHORTS
  - ⊗ ASSEMBLY TO BE 100% HI-POT TESTED PER TABLE 1, THE TEST VOLTAGE FOR THE ASSEMBLY SHOULD BE SET TO THE END OPTION WITH THE LOWEST TEST VOLTAGE RATING.
  - AFTER FINAL ELECTRICAL TESTS, LABEL EACH CABLE ASSEMBLY WITH 1 LABEL -ET
  - CRITICALS ON CONNECTOR PRINTS TO BE CHECKED IN PROCESS.
  - FINISHED ASSEMBLIES TO BE PACKAGED PER PACKAGING STANDARD CO-HD-WI-3040-M. LOCK WASHERS AND NUTS TO BE SHIPPED UNASSEMBLED. GASKETS TO BE INSTALLED ON CABLE.
  - CABLE STOCKED IN INCHES, 1 INCH = 25.4 MILLIMETERS
  - CABLE LENGTHS LONGER THAN 500 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA
  - MINIMUM BEND RADIUS FOR RG25 = 9.0 [.35]
  - FOR SING ENDED OR STRIPPED AND TINNED ASSEMBLIES: MAKE A DOUBLE ENDED ASSEMBLY AT TWICE THE CABLE LENGTH AND TEST BEFORE CUTTING ASSEMBLY IN HALF.
  - DIM "A", "B", AND "C" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm
  - PRODUCTION OF STRIP AND TIN FOR CENTER DIELECTIC USE: A
  - PRODUCTION OF STRIP AND TIN FOR SHIELD USE: D=A+B
  - PRODUCTION OF STRIP AND TIN FOR JACKET USE: E=A+B+C
  - NOTE DELETED.
  - FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.
  - CONNECTORS TO BE ORIENTED ACCORDING TO CO-HD-WI-3048-M.
  - FERRULE AND SPRING ARE FREE FLOATING AND ARE NOT STATIONARY.



c:\enterprisevault\DWG\MISC\MKTG\RF25M-XXXX-XXXXXX-XXXX-MKT.SLDDRW

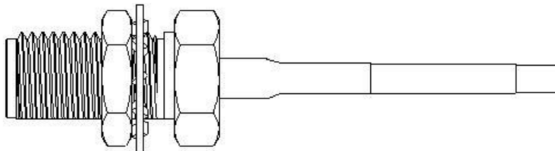
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES]. TOLERANCES ARE: DECIMALS      ANGLES .X: ±0.3 [.01]      5° .XX: ±0.13 [.005] .XXX: ±0.051 [.0020]	<b>PROPRIETARY NOTE</b> THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED 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	
<b>MATERIAL:</b> DO NOT SCALE DRAWING      SHEET SCALE: 2:1 SEE END 1 AND END 2 ASSEMBLY PRINTS		<b>DESCRIPTION:</b> RF25M CABLE ASSEMBLY	
		DWG. NO. <b>RF25M-XXXXX-XXXXXX-XXXX</b>	
		BY: B. RAY      1/30/2007	SHEET 1 OF 2

REVISION W

**-01BJ**

(STRAIGHT BULKHEAD JACK)

(USE DRAWING No. SMA-J-C-X-ST-BH5 FOR ASSEMBLY INSTRUCTIONS)



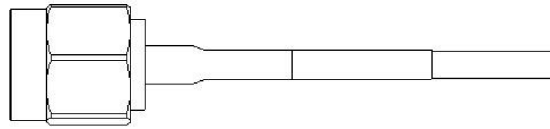
PLATING  
 1: 30µ" MIN. GOLD CENTER CONTACT  
 3µ" MIN. GOLD OUTER CONTACT  
 3µ" MIN. GOLD REMAINING METAL PARTS  
 (END CONNECTOR P/N: SMA-J-C-H-ST-BH5)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-BH5 THAT APPLY MUST BE VERIFIED.

**-01SP**

(STRAIGHT PLUG)

(USE DRAWING No. SMA-P-C-X-ST-CA5 FOR ASSEMBLY INSTRUCTIONS)



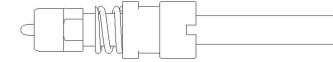
PLATING  
 1: 30µ" MIN. GOLD CENTER CONTACT  
 3µ" MIN. GOLD OUTER CONTACT  
 3µ" MIN. GOLD REMAINING METAL PARTS  
 (END CONNECTOR P/N: SMA-P-C-H-ST-CA5)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-P-C-X-ST-CA5 THAT APPLY MUST BE VERIFIED.

**-SCC1**

(ROUND TIP/STD. FERRULE)

(USE DRAWING No. PRB1-P-C-X-ST-CA5 FOR ASSEMBLY INSTRUCTIONS)



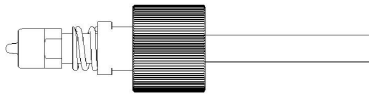
PLATING  
 1: 30µ" MIN. GOLD CENTER CONTACT  
 3µ" MIN. GOLD OUTER CONTACT  
 3µ" MIN. GOLD REMAINING METAL PARTS  
 (END CONNECTOR P/N: PRB1-P-C-H-ST-CA5)

NOTE: ALL CRITICAL DIMENSIONS ON PRB1-P-C-X-ST-CA5 THAT APPLY MUST BE VERIFIED.

**-SCC2**

(KNURLED FERRULE)

(USE DRAWING No. PRB2-P-C-X-ST-CA5 FOR ASSEMBLY INSTRUCTIONS)



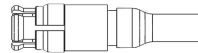
PLATING  
 1: 30µ" MIN. GOLD CENTER CONTACT  
 3µ" MIN. GOLD OUTER CONTACT  
 3µ" MIN. GOLD REMAINING METAL PARTS  
 (END CONNECTOR P/N: PRB2-P-C-H-ST-CA5)

NOTE: ALL CRITICAL DIMENSIONS ON PRB2-P-C-X-ST-CA5 THAT APPLY MUST BE VERIFIED.

**-00SJ**

(STRAIGHT JACK)

(USE DRAWING No. SMP-J-C-XX-ST-CA5 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS  
 7: 10µ" MIN. GOLD CENTER CONTACT  
 3µ" MIN. GOLD OUTER CONTACT  
 100µ" MIN. NICKEL REMAINING METAL PARTS  
 (END CONNECTOR P/N: SMP-J-C-GF-ST-CA5)

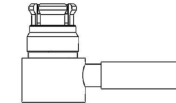
9: 30µ" MIN. GOLD CENTER CONTACT  
 10µ" MIN. GOLD OUTER CONTACT  
 3µ" MIN. GOLD REMAINING METAL PARTS  
 (END CONNECTOR P/N: SMP-J-C-HG-ST-CA5)

NOTE: ALL CRITICAL DIMENSIONS ON SMP-J-C-XX-ST-CA5 THAT APPLY MUST BE VERIFIED.

**-00RJ**

(RIGHT ANGLE JACK)

(USE DRAWING No. SMP-J-C-XX-RA-CA5 FOR ASSEMBLY INSTRUCTIONS)



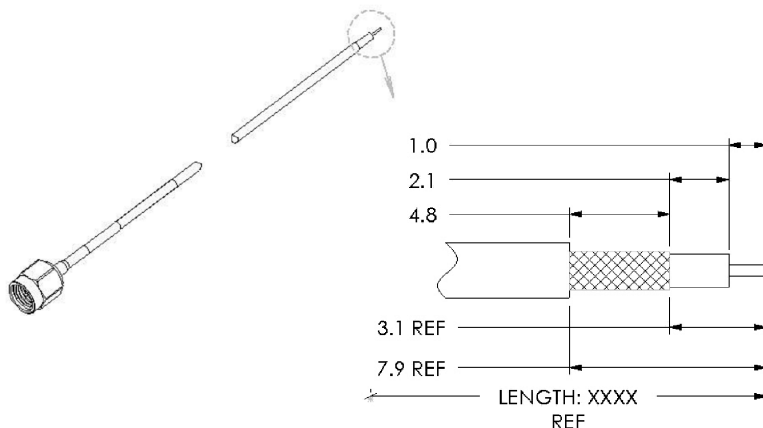
PLATING OPTIONS  
 7: 10µ" MIN. GOLD CENTER CONTACT  
 3µ" MIN. GOLD OUTER CONTACT  
 100µ" MIN. NICKEL REMAINING METAL PARTS  
 (END CONNECTOR P/N: SMP-J-C-GF-RA-CA5)

9: 30µ" MIN. GOLD CENTER CONTACT  
 10µ" MIN. GOLD OUTER CONTACT  
 3µ" MIN. GOLD REMAINING METAL PARTS  
 (END CONNECTOR P/N: SMP-J-C-HG-RA-CA5)

NOTE: ALL CRITICAL DIMENSIONS ON SMP-J-C-XX-RA-CA5 THAT APPLY MUST BE VERIFIED.

FIG 3

RF25M-01SPX-102148-XXXX SHOWN



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DO NOT SCALE DRAWING

SHEET SCALE: 1:1



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 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
 RF25M CABLE ASSEMBLY

DWG. NO.  
 RF25M-XXXXX-XXXXXX-XXXX

BY: B. RAY 1/30/2007 SHEET 2 OF 2