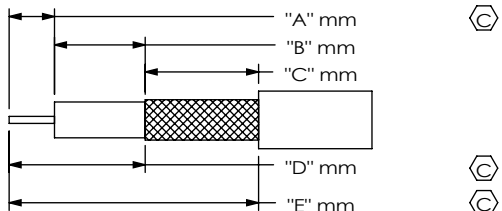




**DESIGNED & DIMENSIONED  
IN MILLIMETERS[INCHES]**

RF25S-XXXXX-XXXXXX-XXXX

**FIG 2**  
CABLE STRIPPING DIMENSIONS  
PER CONFIGURATIONS  
(SEE NOTES 12,13,14,15)



STYLE	CABLE CUT LENGTH		HI POT
	SUBTRACTOR	DCV	
-01SPX	5.2 [0.20]	1000	
-01BJX	9.4 [0.37]	1000	
-00SJX	3.9 [0.15]	500	
-00RJX	1.7 [0.07]	500	
* -V3SJX	4.9 [0.19]	1000	
* -V3SPX	5.7 [0.22]	1000	
* -V3RPX	1.5 [0.06]	1000	
-SCC4X	1.9 [0.07]	1000	
* -92SJX	8.4 [0.33]	1000	
* -92SPX	9.1 [0.36]	1000	
-SCC2X	1.0 [0.04]	1000	
-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 [.00]
0200-0500 [7.87-19.69]	+5.0 [.20]/-0.0 [.00]
0500-1100 [19.69-43.30]	+10.0 [.40]/-0.0 [.00]
>1100 [43.30]	± 1%

CABLE CALLOUT  
25S: MWC-2550-01 CABLE

- END 1 CONNECTOR**
- 01SP: SMA-P-C-X-ST-CS5 (SEE SHEET 2)
  - 01BJ: SMA-J-C-X-ST-B55 (SEE SHEET 2)
  - 00SJ: SMP-J-C-XX-ST-CS5 (SEE SHEET 2)
  - 00RJ: SMP-J-C-XX-RA-CS5 (SEE SHEET 2)
  - \* -V3SJ: MMCXV-J-C-XX-ST-CS5 (SEE SHEET 3)
  - \* -V3SP: MMCXV-P-C-XX-ST-CS5 (SEE SHEET 3)
  - \* -V3RP: MMCXV-P-C-XX-RA-CS5 (SEE SHEET 3)
  - SCC4: PRB4-P-C-X-ST-CS5 (SEE SHEET 3)
  - \* -92SJ: 292XX-J-C-XX-ST-CS5 (SEE SHEET 3)
  - \* -92SP: 292XX-P-C-XX-ST-CS5 (SEE SHEET 3)
  - SCC2: PRB2-P-C-XX-ST-CS5 (SEE SHEET 4)

- END 1 PLATING OPTION**
- 1: GOLD ALL COMPONENTS
  - 4: ALTERNATE GOLD / GOLD FLASH / NICKEL
  - 6: ALTERNATE H GOLD / H GOLD / NICKEL
  - 7: ALTERNATE GOLD MEDIUM/ GOLD FLASH
  - 9: ALTERNATE HEAVY GOLD/MEDIUM GOLD
  - P: HEAVY GOLD / PASSIVATED STAINLESS STEEL (SEE SHEET 2 & 3 FOR PLATING SPECIFICS)

\* = NOT RELEASED FOR PRODUCTION

**OVERALL CABLE LENGTH**  
MILLIMETERS OF CABLE  
0100 MIN. (SEE NOTE 8 & 9)

- END 2 PLATING OPTION**
- 1: GOLD ALL COMPONENTS
  - 4: ALTERNATE GOLD / GOLD FLASH / NICKEL
  - 6: ALTERNATE H GOLD / H GOLD / NICKEL
  - 7: ALTERNATE GOLD MEDIUM/ GOLD FLASH
  - 9: ALTERNATE HEAVY GOLD/MEDIUM GOLD
  - P: HEAVY GOLD / PASSIVATED STAINLESS STEEL (LEAVE BLANK FOR -SING OR -XXXXXX END 2 PREPARATION)

**END 2 CONNECTOR OR PREPARATION** (SEE NOTE 18)

- 01SP: SMA-P-C-X-ST-CS5 (SEE SHEET 2)
- 01BJ: SMA-J-C-X-ST-B55 (SEE SHEET 2)
- 00SJ: SMP-J-C-XX-ST-CS5 (SEE SHEET 2)
- 00RJ: SMP-J-C-XX-RA-CS5 (SEE SHEET 2)
- \* -V3SJ: MMCXV-J-C-XX-ST-CS5 (SEE SHEET 3)
- \* -V3SP: MMCXV-P-C-XX-ST-CS5 (SEE SHEET 3)
- \* -V3RP: MMCXV-P-C-XX-RA-CS5 (SEE SHEET 3)
- SCC4: PRB4-P-C-X-ST-CS5 (SEE SHEET 3)
- \* -92SJ: 292XX-J-C-XX-ST-CS5 (SEE SHEET 3)
- \* -92SP: 292XX-P-C-XX-ST-CS5 (SEE SHEET 3)
- SCC2: PRB2-P-C-XX-ST-CS5 (SEE SHEET 4)
- 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

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

NOTES:

1. REPRESENTS A CRITICAL DIMENSION
2. CABLE CUT LENGTH:  
= (LENGTH: XXXX) - (SUBTRACTOR FOR END 1) - (SUBTRACTOR FOR END 2)  
(SEE TABLE 1 FOR SUBTRACTORS)
3. ASSEMBLY TO BE 100% TESTED FOR OPENS & SHORTS
4. ASSEMBLY TO BE 100% HI-POT TESTED PER TABLE 1 AND THE TEST VOLTAGE FOR THE ASSEMBLY SHOULD BE SET TO THE END OPTION WITH THE LOWEST TEST VOLTAGE RATING.
5. AFTER FINAL ELECTRICAL TESTS, LABEL EACH CABLE ASSEMBLY WITH 1 LABEL-ET
6. CRITICALS ON CONNECTOR PRINTS TO BE CHECKED IN PROCESS.
7. FINISHED ASSEMBLIES TO BE PACKAGED PER PACKAGING STANDARD CO-RF-WI-3040-M. ASSEMBLIES WITH LOCKWASHERS, NUTS, AND GASKETS TO BE SHIPPED KITTED AS ONE ASSEMBLY PER BAG, UNASSEMBLED.
8. CABLE STOCKED IN INCHES, 1 INCH = 25.4 MILLIMETERS
9. CABLE LENGTHS LONGER THAN 500 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA
10. MINIMUM BEND RADIUS FOR RG25S = 9.0 [.35]
11. 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.
12. DIM "A", "B", AND "C" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm
13. PRODUCTION OF STRIP AND TIN FOR CENTER DIELECTIC USE: A
14. PRODUCTION OF STRIP AND TIN FOR SHIELD USE: D=A+B
15. PRODUCTION OF STRIP AND TIN FOR JACKET USE: E=A+B+C
16. FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.
17. CONNECTORS TO BE ORIENTED ACCORDING TO CO-HD-WI-3048-M.
18. FERRULE AND SPRING ARE FREE FLOATING AND ARE NOT STATIONARY.



LENGTH: XXXX  
(SEE TABLE 2 FOR TOLERANCE)  
(SEE NOTE 2 FOR CABLE CUT LENGTH)

**FIG 1**

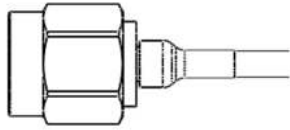
RF25S-01SPX-01SPX-XXXX SHOWN

F:\DWG\MISC\MKTG\RF25S-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 CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.		
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<b>MATERIAL:</b> DO NOT SCALE DRAWING      SHEET SCALE: 2:1 SEE END 1 AND END 2 ASSEMBLY PRINTS		<b>DESCRIPTION:</b> RF25S CABLE ASSEMBLY	
		DWG. NO. <b>RF25S-XXXXX-XXXXXX-XXXX</b>	
		BY: ALVIN W      07/26/2011	SHEET 1 OF 4

**-01SP**  
(STRAIGHT PLUG)

(USE DRAWING No. SMA-P-C-X-ST-CS5  
FOR ASSEMBLY INSTRUCTIONS)

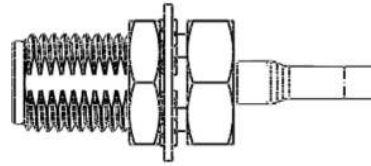


**PLATING**  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-P-C-H-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-P-C-X-ST-CS5  
THAT APPLY MUST BE VERIFIED.

**-01BJ**  
(STRAIGHT BULKHEAD JACK)

(USE DRAWING No. SMA-J-C-X-ST-BS5  
FOR ASSEMBLY INSTRUCTIONS)

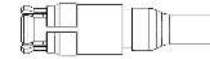


**PLATING**  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C-H-ST-BS5)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-BS5  
THAT APPLY MUST BE VERIFIED.

**-00SJ**  
(STRAIGHT JACK)

(USE DRAWING No. SMP-J-C-XX-ST-CS5  
FOR ASSEMBLY INSTRUCTIONS)



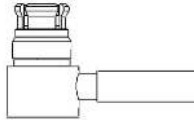
**PLATING OPTIONS**  
7: 10µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: SMP-J-C-GF-ST-CS5)

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-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON SMP-J-C-XX-ST-CS5  
THAT APPLY MUST BE VERIFIED.

**-00RJ**  
(RIGHT ANGLE JACK)

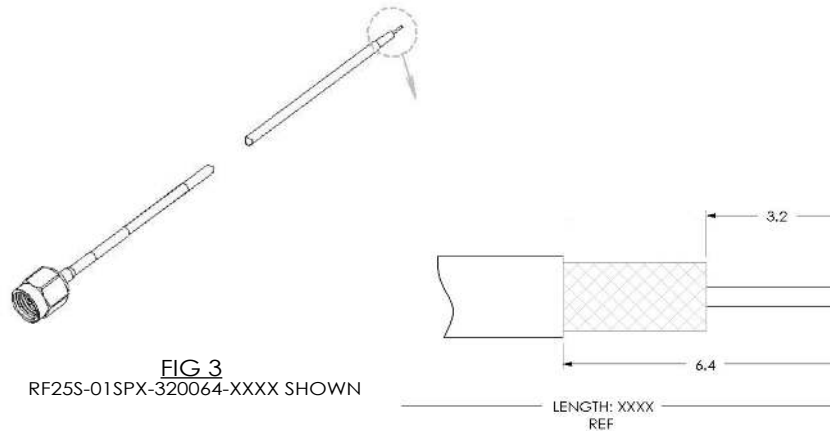
(USE DRAWING No. SMP-J-C-XX-RA-CS5  
FOR ASSEMBLY INSTRUCTIONS)



**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-CS5)

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-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON SMP-J-C-XX-RA-CS5  
THAT APPLY MUST BE VERIFIED.



**FIG 3**  
RF25S-01SPX-320064-XXXX SHOWN

F:\DWG\MISC\MKTG\RF25S-XXXX-XXXX-XXXX-MKT.SLDDRW

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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
RF25S CABLE ASSEMBLY

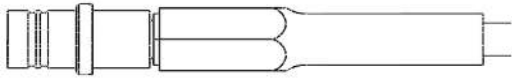
DWG. NO.  
RF25S-XXXXX-XXXXXX-XXXX

BY: ALVIN W 07/26/2011 SHEET 2 OF 4

REVISION M

**\* -V3SJ**  
(STRAIGHT JACK)

(USE DRAWING No. MMCXV-J-C-XX-ST-CS5  
FOR ASSEMBLY INSTRUCTIONS)



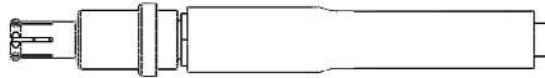
PLATING

- 1: 30µ" MIN. GOLD CENTER CONTACT
- 3µ" MIN. GOLD OUTER CONTACT
- 3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCXV-J-C-HF-ST-CS5)
- 4: 10µ" MIN. GOLD CENTER CONTACT
- 3µ" MIN. GOLD OUTER CONTACT
- 100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCXV-J-C-GF-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON MMCXV-J-C-XX-ST-CS5  
THAT APPLY MUST BE VERIFIED.

**\* -V3SP**  
(STRAIGHT PLUG)

(USE DRAWING No. MMCXV-P-C-XX-ST-CS5  
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: MMCXV-P-C-HF-ST-CS5)
- 4: 10µ" MIN. GOLD CENTER CONTACT
- 3µ" MIN. GOLD OUTER CONTACT
- 100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCXV-P-C-GF-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON MMCXV-P-C-XX-ST-CS5  
THAT APPLY MUST BE VERIFIED.

**\* -V3RP**  
(RIGHT ANGLE PLUG)

(USE DRAWING No. MMCXV-P-C-XX-RA-CS5  
FOR ASSEMBLY INSTRUCTIONS)



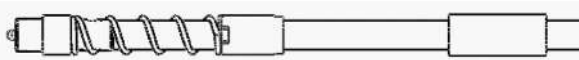
PLATING

- 1: 30µ" MIN. GOLD CENTER CONTACT
- 3µ" MIN. GOLD OUTER CONTACT
- 3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCXV-P-C-HF-RA-CS5)
- 4: 10µ" MIN. GOLD CENTER CONTACT
- 3µ" MIN. GOLD OUTER CONTACT
- 100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCXV-P-C-GF-RA-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON MMCXV-P-C-XX-RA-CS5  
THAT APPLY MUST BE VERIFIED.

**-SCC4**  
(STRAIGHT JACK)

(USE DRAWING No. PRB4-P-C-X-ST-CS5  
FOR ASSEMBLY INSTRUCTIONS)



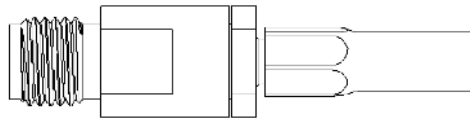
PLATING

- 1: 30µ" MIN. GOLD CENTER CONTACT
- 3µ" MIN. GOLD OUTER CONTACT
- 3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: PRB4-P-C-H-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON PRB4-P-C-X-ST-CS5  
THAT APPLY MUST BE VERIFIED.

**\* -92SJ**  
(STRAIGHT JACK)

(USE DRAWING No. 292XX-J-C-XX-ST-CS5  
FOR ASSEMBLY INSTRUCTIONS)



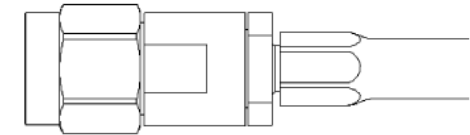
PLATING OPTIONS

- 6: 30µ" MIN. GOLD CENTER CONTACT
- 30µ" MIN. GOLD OUTER CONTACT
- 3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: 292PB-J-C-HH-ST-CS5)
- 9: 30µ" MIN. GOLD CENTER CONTACT
- 10µ" MIN. GOLD OUTER CONTACT
- 3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: 292PB-J-C-HG-ST-CS5)
- P: 30µ" MIN. GOLD CENTER CONTACT
- PASSIVATED STAINLESS STEEL OUTER CONTACT
- 3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: 292PS-J-C-HP-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON 292XX-J-C-XX-ST-CS5  
THAT APPLY MUST BE VERIFIED.

**\* -92SP**  
(STRAIGHT PLUG)

(USE DRAWING No. 292XX-P-C-XX-ST-CS5  
FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

- 6: 30µ" MIN. GOLD CENTER CONTACT
- 30µ" MIN. GOLD OUTER CONTACT
- 3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: 292PB-P-C-HH-ST-CS5)
- 9: 30µ" MIN. GOLD CENTER CONTACT
- 10µ" MIN. GOLD OUTER CONTACT
- 3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: 292PB-P-C-HG-ST-CS5)
- P: 30µ" MIN. GOLD CENTER CONTACT
- PASSIVATED STAINLESS STEEL OUTER CONTACT
- 3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: 292PS-P-C-HP-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON 292XX-P-C-XX-ST-CS5  
THAT APPLY MUST BE VERIFIED.

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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:

RF25S CABLE ASSEMBLY

DWG. NO.

RF25S-XXXXX-XXXXXX-XXXX

BY: ALVIN W

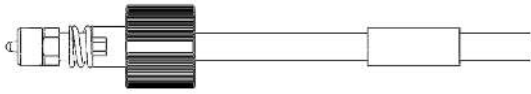
07/26/2011

SHEET 3 OF 4

REVISION M

**-SCC2**  
(STRAIGHT PLUG)

(USE DRAWING No. PRB2-P-C-XX-ST-CS5  
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-HF-ST-CS5)

NOTE: ALL CRITICAL DIMENSIONS ON PRB2-P-C-XX-ST-CS5  
THAT APPLY MUST BE VERIFIED.

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

DESCRIPTION:	RF25S CABLE ASSEMBLY
DWG. NO.	RF25S-XXXXX-XXXXXX-XXXX
BY: ALVIN W	07/26/2011
SHEET 4 OF 4	