

DESIGNED & DIMENSIONED  
IN MILLIMETERS[INCHES]

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

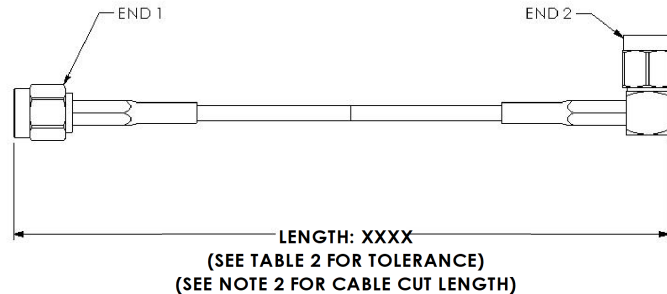
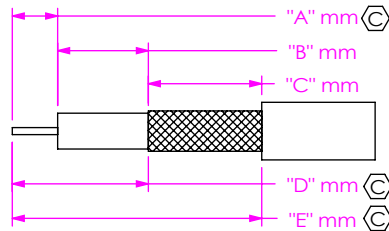
DO NOT  
SCALE FROM  
THIS PRINT

RFXXXX-XXXXX-XXXXXX-XXXX

**CABLE CALL OUT**  
174: CCA-174 (RG-174 COAXIAL CABLE)  
316: CCA-316 (RG-316 COAXIAL CABLE)  
□ 316A: CCS-174525-01-C (RG-316 ACCLIMATE CABLE)

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

**FIG 2**  
CABLE STRIPPING DIMENSIONS  
PER CONFIGURATIONS  
(SEE TABLE 1)(SEE NOTES 12,13,14,15)



**FIG 1**  
RFXXXX-01SPX-01RPX-XXXX SHOWN

- END 1 CONNECTOR**  
-01SP: SMA-P-C-X-ST-CA1 (SEE SHEET 3)  
-01RP: SMA-P-C-X-RA-CA1 (SEE SHEET 3)  
-01BJ: SMA-J-C-X-ST-BH1 (SEE SHEET 3)  
-01BR: SMA-J-C-X-ST-BR1 (SEE SHEET 3)  
-02SJ: MCX-J-C-X-ST-CA1 (SEE SHEET 3)  
-02RP: MCX-P-C-XX-RA-CA1 (SEE SHEET 3)  
-02SP: MCX-P-C-XX-ST-CA1 (SEE SHEET 4)  
-03SP: MMCX-P-C-XX-ST-CA1 (SEE SHEET 4)  
-03RP: MMCX-P-C-X-RA-CA1 (SEE SHEET 4)  
-04SP: BNC5-P-C-XX-ST-CA1 (SEE SHEET 4)  
-04BJ: BNC5-J-C-XX-ST-BH1 (SEE SHEET 4)  
-05SP: TNC-P-C-XX-ST-CA1 (SEE SHEET 4)  
-05BJ: TNC-J-C-XX-ST-BH1 (SEE SHEET 5)  
-06BJ: NTPE-J-C-XX-ST-BH1 (SEE SHEET 5)  
-07SP: SMB5-P-C-XX-ST-CA1 (SEE SHEET 5)  
-07RP: SMB5-P-C-XX-RA-CA1 (SEE SHEET 5)  
-07BJ: SMB5-J-C-X-ST-BH1 (SEE SHEET 5)  
-13GP: GRFS-P-C-X-ST-CA1  
(316 OPTION ONLY) (SEE SHEET 5)  
-13GJ: GRFS-J-C-X-ST-CA1  
(316 OPTION ONLY) (SEE SHEET 6)  
-01SB: SMA-J-C-X-ST-SB1 (SEE SHEET 6)  
-01SR: SMA-J-C-X-ST-SR1 (SEE SHEET 6)  
-01PN: SMA-J-C4-XX-ST-PN1 (SEE SHEET 6)  
\* -S7SP: SSMB-P-C-XX-ST-CA1 (SEE SHEET 7)  
\* -S7RP: SSMB-P-C-XX-RA-CA1 (SEE SHEET 7)  
-V3SJ: MMCXV-J-C-XX-ST-CA1 (SEE SHEET 7)  
-V3SP: MMCXV-P-C-XX-ST-CA1 (SEE SHEET 7)  
-V3RP: MMCXV-P-C-XX-RA-CA1 (SEE SHEET 7)  
□ -23GJ: AC-J-C-X-ST-CA1  
(316A OPTION ONLY, SEE SHEET 7)  
□ -23GP: AC-P-C-X-ST-CA1  
(316A OPTION ONLY, SEE SHEET 7)

- END 1 PLATING OPTION**  
1: GOLD ALL COMPONENTS  
2: GOLD / NICKEL COMBINATION  
3: ALTERNATE GOLD / NICKEL  
4: ALTERNATE GOLD / GOLD FLASH / NICKEL  
7: ALTERNATE GOLD MEDIUM/ GOLD FLASH  
(SEE SHEET 3 FOR PLATING SPECIFICS)

□ = FOR INTERNAL USE ONLY,  
NOT FOR SALE (SEE NOTE 19)  
\* = FOR EXISTING CUSTOMERS ONLY

- END 2 PLATING OPTION**  
1: GOLD ALL COMPONENTS  
2: GOLD / NICKEL COMBINATION  
3: ALTERNATE GOLD / NICKEL  
4: ALTERNATE GOLD / GOLD FLASH / NICKEL  
7: ALTERNATE GOLD MEDIUM/ GOLD FLASH  
(LEAVE BLANK FOR -SING OR -XXXXXX  
END 2 PREPARATION)
- END 2 CONNECTOR OR PREPARATION**  
-01SP: SMA-P-C-X-ST-CA1 (SEE SHEET 3)  
-01RP: SMA-P-C-X-RA-CA1 (SEE SHEET 3)  
-01BJ: SMA-J-C-X-ST-BH1 (SEE SHEET 3)  
-01BR: SMA-J-C-X-ST-BR1 (SEE SHEET 3)  
-02SJ: MCX-J-C-X-ST-CA1 (SEE SHEET 3)  
-02RP: MCX-P-C-XX-RA-CA1 (SEE SHEET 3)  
-02SP: MCX-P-C-XX-ST-CA1 (SEE SHEET 4)  
-03SP: MMCX-P-C-XX-ST-CA1 (SEE SHEET 4)  
-03RP: MMCX-P-C-X-RA-CA1 (SEE SHEET 4)  
-04SP: BNC5-P-C-XX-ST-CA1 (SEE SHEET 4)  
-04BJ: BNC5-J-C-XX-ST-BH1 (SEE SHEET 4)  
-05SP: TNC-P-C-XX-ST-CA1 (SEE SHEET 4)  
-05BJ: TNC-J-C-XX-ST-BH1 (SEE SHEET 5)  
-06BJ: NTPE-J-C-XX-ST-BH1 (SEE SHEET 5)  
-07SP: SMB5-P-C-XX-ST-CA1 (SEE SHEET 5)  
-07RP: SMB5-P-C-XX-RA-CA1 (SEE SHEET 5)  
-07BJ: SMB5-J-C-X-ST-BH1 (SEE SHEET 5)  
-13GP: GRFS-P-C-X-ST-CA1  
(316 OPTION ONLY) (SEE SHEET 5)  
-13GJ: GRFS-J-C-X-ST-CA1  
(316 OPTION ONLY) (SEE SHEET 6)  
-01SB: SMA-J-C-X-ST-SB1 (SEE SHEET 6)  
-01SR: SMA-J-C-X-ST-SR1 (SEE SHEET 6)  
-01PN: SMA-J-C4-XX-ST-PN1 (SEE SHEET 6)  
-S7SP: SSMB-P-C-XX-ST-CA1 (SEE SHEET 7)  
-S7RP: SSMB-P-C-XX-RA-CA1 (SEE SHEET 7)  
-V3SJ: MMCXV-J-C-XX-ST-CA1 (SEE SHEET 7)  
-V3SP: MMCXV-P-C-XX-ST-CA1 (SEE SHEET 7)  
-V3RP: MMCXV-P-C-XX-RA-CA1 (SEE SHEET 7)  
□ -23GJ: AC-J-C-X-ST-CA1  
(316A OPTION ONLY, SEE SHEET 7)  
□ -23GP: AC-P-C-X-ST-CA1  
(316A OPTION ONLY, SEE SHEET 7)  
-SING: SINGLE ENDED (ONE END ONLY, SEE NOTE 11)  
-XXXXXX: STRIPPED AND TINNED (THIS END ONLY-  
SEE NOTES 11-15, 18 & SHEET 6, FIG 3)

(SEE FIG 2) "C" FORMAT: X.X mm  
(SEE FIG 2) "B" FORMAT: X.X mm  
(SEE FIG 2) "A" FORMAT: X.X mm

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

NOTES:

- ① 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-RF-WI-3040-M. ASSEMBLIES WITH LOCKWASHERS, NUTS, AND GASKETS TO BE SHIPPED KITTED AS ONE ASSEMBLY PER BAG, UNASSEMBLED.
- CABLE STOCKED IN INCHES, 1 INCH = 25.4 MILLIMETERS.
- CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA.
- MINIMUM BEND RADIUS FOR RF174 = 25.4 [1.00]  
RF316 = 12.7 [.50]  
RF316A = 12.7 [.50]
- 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.
- CONNECTORS TO BE ORIENTED ACCORDING TO CO-HD-WI-3048-M.
- FOR BULKHEAD APPLICATIONS, THE END USER SHOULD TIGHTEN THE THREADED NUT TO 15 IN-LB MINIMUM.
- FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.
- USED IN ACRX SERIES.

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UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN  
MILLIMETERS [INCHES].  
TOLERANCES ARE:  
DECIMALS ANGLES  
.X: ±0.3 [.01] 2°  
.XX: ±0.13 [.005]  
.XXX: ±0.051 [.0020]

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**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 2:1  
SEE END 1 AND END 2 ASSEMBLY PRINTS

**samtec**

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


DESCRIPTION: RF316 OR RF-174 CABLE ASSEMBLY  
DWG. NO. RFXXXX-XXXXX-XXXXXX-XXXX  
BY: TIM P. 09-10-2010 SHEET 1 OF 7

TABLE 1		
CABLE	CABLE CUT LGTH	HI-POT
STYLE	"SUBTRACTOR"	DCV
-01SPX	5.7 [0.22]	1000
-01RPX	2.7 [0.11]	1000
-01BJX	9.0 [0.35]	1000
-01BRX	9.4 [0.37]	1000
-02SJX	6.2 [0.24]	1000
-02RPX	1.7 [0.07]	1000
-02SPX	7.4 [0.29]	630
-03SPX	4.2 [0.17]	1000
-03RPX	1.4 [0.06]	1000
-04SPX	9.0 [0.35]	1000
-04BJX	13.4 [0.53]	1000
-05SPX	9.3 [0.37]	1000
-05BJX	13.4 [0.53]	1000
-06BJX	17.0 [0.67]	1000
-07SPX	7.7 [0.30]	1000
-07RPX	2.8 [0.11]	1000
-07BJX	8.4 [0.33]	1000
-13GPX	5.1 [0.20]	1000
-13GJX	4.2 [0.16]	1000
-01SBX	9.0 [0.35]	1000
-01SRX	9.4 [0.37]	1000
-01PNX	6.2 [0.24]	1000
*-S7SPX	8.1 [0.32]	1000
*-S7RPX	1.5 [0.06]	1000
-V3SJX	4.9 [0.19]	1000
-V3SPX	5.7 [0.22]	1000
-V3RPX	1.5 [0.06]	1000
□ -23GJX	4.4 [0.17]	300
□ -23GPX	5.3 [0.21]	300
-SING	0.00 [0.00]	1000
-XXXXXX	0.00 [0.00]	1000

TABLE 2: FINAL ASSEMBLY LENGTH TOLERANCE	
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%

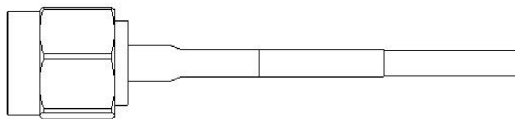
□ = FOR INTERNAL USE ONLY, NOT FOR SALE (SEE NOTE 19)  
 \* = FOR EXISTING CUSTOMERS ONLY

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	<p>520 PARK EAST BLVD, NEW ALBANY, IN 47150                  PHONE: 812-944-6733 FAX: 812-948-5047                  e-Mail info@SAMTEC.com code 55322</p>		
	<p>DESCRIPTION:                  RF316 OR RF-174 CABLE ASSEMBLY</p>		
	<p>DWG. NO.                  RFXXXX-XXXX-XXXXXX-XXXX</p>		
	BY: TIM P.	09-10-2010	SHEET 2 OF 7

**-01SP**  
(STRAIGHT PLUG)

(USE DRAWING No. SMA-P-C-X-ST-CA1  
FOR ASSEMBLY INSTRUCTIONS)

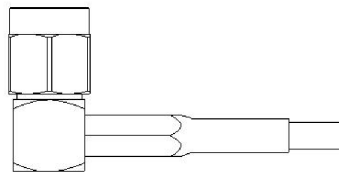


PLATING  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-P-C-H-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-P-C-X-ST-CA1  
THAT APPLY MUST BE VERIFIED.

**-01RP**  
(RIGHT ANGLE PLUG)

(USE DRAWING No. SMA-P-C-X-RA-CA1  
FOR ASSEMBLY INSTRUCTIONS)

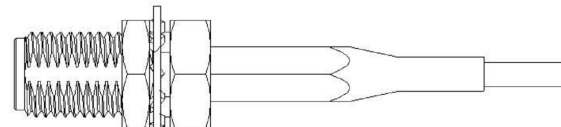


PLATING  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-P-C-H-RA-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-P-C-X-RA-CA1  
THAT APPLY MUST BE VERIFIED.

**-01BJ**  
(STRAIGHT BULKHEAD JACK)  
(SEE NOTE 17)

(USE DRAWING No. SMA-J-C-X-ST-BH1  
FOR ASSEMBLY INSTRUCTIONS)

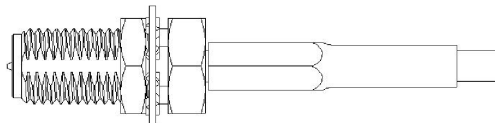


PLATING  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C-H-ST-BH1)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-BH1  
THAT APPLY MUST BE VERIFIED.

**-01BR (REVERSED POLARITY)**  
(STRAIGHT BULKHEAD JACK)  
(SEE NOTE 17)

(USE DRAWING No. SMA-J-C-X-ST-BR1  
FOR ASSEMBLY INSTRUCTIONS)

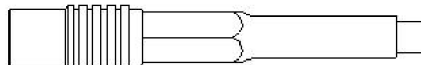


PLATING  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C-H-ST-BR1)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-BR1  
THAT APPLY MUST BE VERIFIED.

**-02SJ**  
(STRAIGHT JACK)

(USE DRAWING No. MCX-J-C-X-ST-CA1  
FOR ASSEMBLY INSTRUCTIONS)

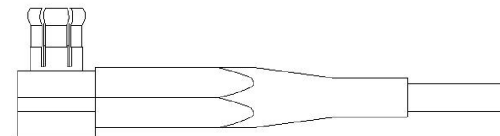


PLATING  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: MCX-J-C-H-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON MCX-J-C-X-ST-CA1  
THAT APPLY MUST BE VERIFIED.

**-02RP**  
(RIGHT ANGLE PLUG)

(USE DRAWING No. MCX-P-C-XX-RA-CA1  
FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: MCX-P-C-H-RA-CA1)  
  
2: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MCX-P-C-HN-RA-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON MCX-P-C-XX-RA-CA1  
THAT APPLY MUST BE VERIFIED.

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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

DESCRIPTION:  
RF316 OR RF-174 CABLE ASSEMBLY

DWG. NO.  
RFXXXX-XXXX-XXXXXX-XXXX

BY: TIM P. 09-10-2010 SHEET 3 OF 7

**-02SP**  
(STRAIGHT PLUG)

(USE DRAWING No. MCX-P-C-XX-ST-CA1 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: MCX-P-C-H-ST-CA1)

2: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MCX-P-C-HN-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON MCX-P-C-XX-ST-CA1 THAT APPLY MUST BE VERIFIED.

**-03SP**  
(STRAIGHT PLUG)

(USE DRAWING No. MMCX-P-C-XX-ST-CA1 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

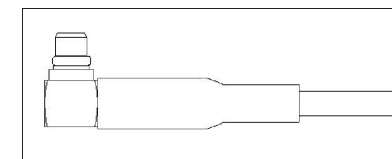
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCX-P-C-H-ST-CA1)

2: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCX-P-C-HN-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON MMCX-P-C-XX-ST-CA1 THAT APPLY MUST BE VERIFIED.

**-03RP**  
(RIGHT ANGLE PLUG)

(USE DRAWING No. MMCX-P-C-X-RA-CA1 FOR ASSEMBLY INSTRUCTIONS)



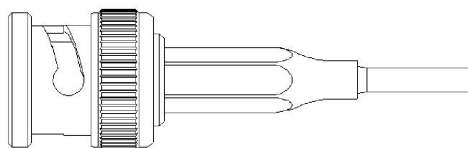
PLATING

1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCX-P-C-H-RA-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON MMCX-P-C-X-RA-CA1 THAT APPLY MUST BE VERIFIED.

**-04SP**  
(STRAIGHT PLUG)

(USE DRAWING No. BNC5-P-C-XX-ST-CA1 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

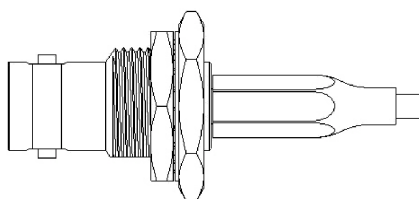
2: 30µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: BNC5-P-C-HN-ST-CA1)

3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: BNC5-P-C-GN-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON BNC5-P-C-XX-ST-CA1 THAT APPLY MUST BE VERIFIED.

**-04BJ**  
(STRAIGHT BULKHEAD JACK)  
(SEE NOTE 17)

(USE DRAWING No. BNC5-J-C-XX-ST-BH1 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

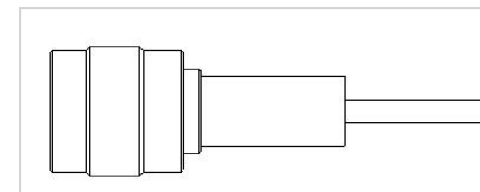
2: 30µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: BNC5-J-C-HN-ST-BH1)

3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: BNC5-J-C-GN-ST-BH1)

NOTE: ALL CRITICAL DIMENSIONS ON BNC5-J-C-XX-ST-BH1 THAT APPLY MUST BE VERIFIED.

**-05SP**  
(STRAIGHT PLUG)

(USE DRAWING No. TNC-P-C-XX-ST-CA1 FOR ASSEMBLY INSTRUCTIONS)



PLATING

3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: TNC-P-C-GN-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON TNC-P-C-XX-ST-CA1 THAT APPLY MUST BE VERIFIED.

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DO NOT SCALE DRAWING

SHEET SCALE: 1:1



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

DESCRIPTION:  
RF316 OR RF-174 CABLE ASSEMBLY

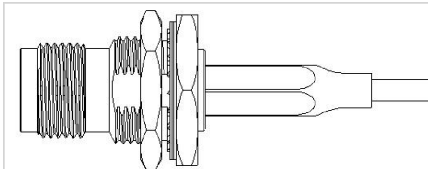
DWG. NO.  
RFXXXX-XXXXX-XXXXXX-XXXX

BY: TIM P. 09-10-2010 SHEET 4 OF 7

REVISION AN

**-05BJ**  
(STRAIGHT BULKHEAD JACK)  
(SEE NOTE 17)

(USE DRAWING No. TNC-J-C-XX-ST-BH1  
FOR ASSEMBLY INSTRUCTIONS)



**PLATING OPTIONS**

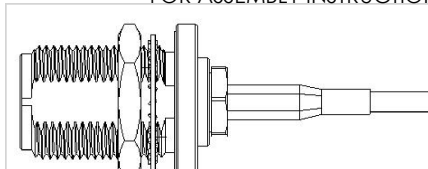
2: 30µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: TNC-J-C-HN-ST-BH1)

3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: TNC-J-C-GN-ST-BH1)

NOTE: ALL CRITICAL DIMENSIONS ON TNC-J-C-XX-ST-BH1  
THAT APPLY MUST BE VERIFIED.

**-06BJ**  
(STRAIGHT BULKHEAD JACK)  
(SEE NOTE 17)

(USE DRAWING No. NTPJ-J-C-XX-ST-BH1  
FOR ASSEMBLY INSTRUCTIONS)



**PLATING OPTIONS**

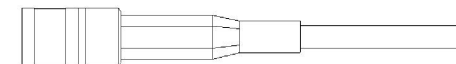
2: 30µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: NTPJ-J-C-HN-ST-BH1)

3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: NTPJ-J-C-GN-ST-BH1)

NOTE: ALL CRITICAL DIMENSIONS ON NTPJ-J-C-XX-ST-BH1  
THAT APPLY MUST BE VERIFIED.

**-07SP**  
(STRAIGHT PLUG)

(USE DRAWING No. SMB5-P-C-XX-ST-CA1  
FOR ASSEMBLY INSTRUCTIONS)



**PLATING OPTIONS**

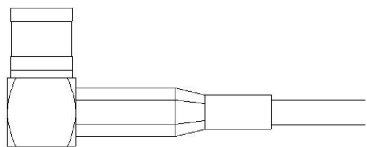
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMB5-P-C-H-ST-CA1)

2: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: SMB5-P-C-HN-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON SMB5-P-C-XX-ST-CA1  
THAT APPLY MUST BE VERIFIED.

**-07RP**  
(RIGHT ANGLE PLUG)

(USE DRAWING No. SMB5-P-C-XX-RA-CA1  
FOR ASSEMBLY INSTRUCTIONS)



**PLATING OPTIONS**

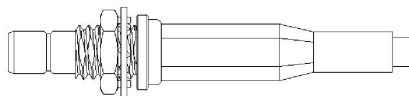
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMB5-P-C-H-RA-CA1)

2: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: SMB5-P-C-HN-RA-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON SMB5-P-C-XX-RA-CA1  
THAT APPLY MUST BE VERIFIED.

**-07BJ**  
(STRAIGHT BULKHEAD JACK)  
(SEE NOTE 17)

(USE DRAWING No. SMB5-J-C-X-ST-BH1  
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: SMB5-J-C-H-ST-BH1)

NOTE: ALL CRITICAL DIMENSIONS ON SMB5-J-C-X-ST-BH1  
THAT APPLY MUST BE VERIFIED.

**-13GP**  
(STRAIGHT PLUG)

(USE DRAWING No. GRFS-P-C-X-ST-CA1  
FOR ASSEMBLY INSTRUCTIONS)  
(316 OPTION ONLY)



**PLATING**

1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: GRFS-P-C-H-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON GRFS-P-C-X-ST-CA1  
THAT APPLY MUST BE VERIFIED.

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

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e-Mail info@SAMTEC.com code 55322

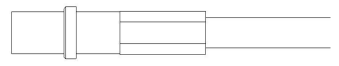
DESCRIPTION:  
RF316 OR RF-174 CABLE ASSEMBLY

DWG. NO.  
RFXXXX-XXXXX-XXXXXX-XXXX

BY: TIM P. 09-10-2010 SHEET 5 OF 7

**-13GJ**  
(STRAIGHT JACK)

(USE DRAWING No. GRFS-J-C-X-ST-CA1  
FOR ASSEMBLY INSTRUCTIONS)  
(316 OPTION ONLY)

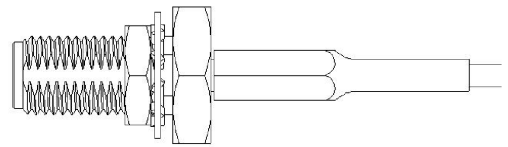


**PLATING**  
1: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: GRFS-J-C-H-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON GRFS-J-C-X-ST-CA1  
THAT APPLY MUST BE VERIFIED.

**-01SB**  
(SEALED STRAIGHT BULKHEAD JACK)  
(SEE NOTE 17)

(USE DRAWING No. SMA-J-C-X-ST-SB1  
FOR ASSEMBLY INSTRUCTIONS)

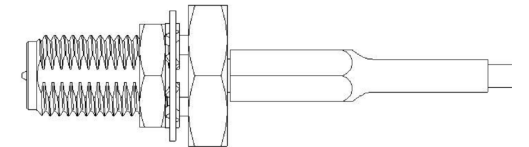


**PLATING**  
1: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C-H-ST-SB1)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-SB1  
THAT APPLY MUST BE VERIFIED.

**-01SR (REVERSED POLARITY)**  
(SEALED STRAIGHT BULKHEAD JACK)  
(SEE NOTE 17)

(USE DRAWING No. SMA-J-C-X-ST-SR1  
FOR ASSEMBLY INSTRUCTIONS)

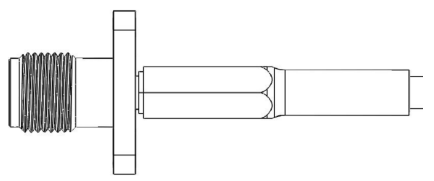


**PLATING**  
1: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C-H-ST-SR1)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-SR1  
THAT APPLY MUST BE VERIFIED.

**-01PN**  
(STRAIGHT PANEL MOUNT JACK)

(USE DRAWING No. SMA-J-C4-XX-ST-PN1  
FOR ASSEMBLY INSTRUCTIONS)

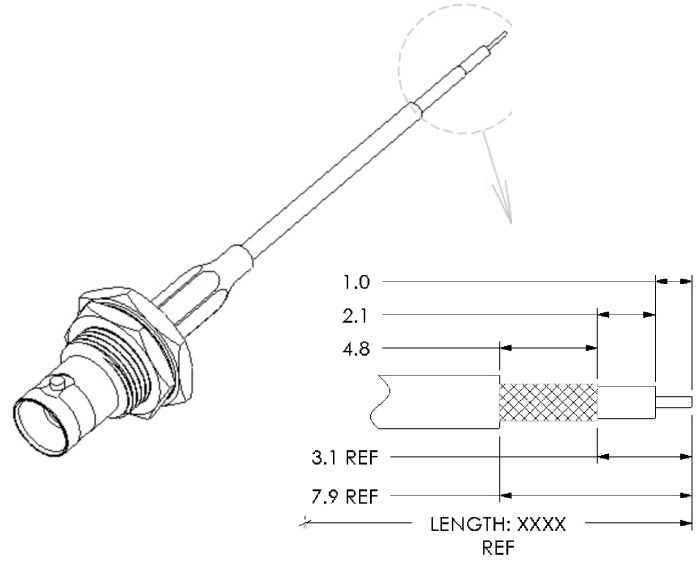


**PLATING OPTIONS**  
1: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C4-H-ST-PN1)

7: 10μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C4-GF-ST-PN1)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C4-XX-ST-PN1  
THAT APPLY MUST BE VERIFIED.

**FIG 3**  
RFXXX-04BJX-102148-XXXX SHOWN



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

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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
**RF316 OR RF-174 CABLE ASSEMBLY**

DWG. NO.  
**RFXXX-XXXX-XXXX-XXXX**

BY: TIM P. 09-10-2010 SHEET 6 OF 7

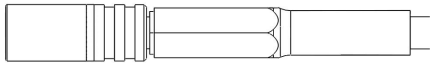


REVISION AN

**\*-S7SP**  
(STRAIGHT PLUG)

(USE DRAWING No. SSMB-P-C-XX-ST-CA1 FOR ASSEMBLY INSTRUCTIONS)

\* = FOR EXISTING CUSTOMERS ONLY



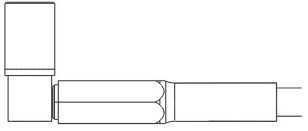
PLATING  
4: 10µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: SSMB-P-C-GF-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON SSMB-P-C-XX-ST-CA1 THAT APPLY MUST BE VERIFIED.

**\*-S7RP**  
(RIGHT ANGLE PLUG)

(USE DRAWING No. SSMB-P-C-XX-RA-CA1 FOR ASSEMBLY INSTRUCTIONS)

\* = FOR EXISTING CUSTOMERS ONLY

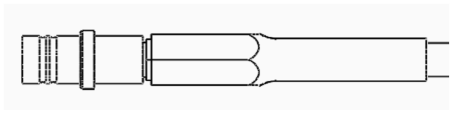


PLATING  
4: 10µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: SSMB-P-C-GF-RA-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON SSMB-P-C-XX-RA-CA1 THAT APPLY MUST BE VERIFIED.

**-V3SJ**  
(STRAIGHT JACK)

(USE DRAWING No. MMCXV-J-C-XX-ST-CA1 FOR ASSEMBLY INSTRUCTIONS)



PLATING  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCXV-J-C-HF-ST-CA1)

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-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON MMCXV-J-C-XX-ST-CA1 THAT APPLY MUST BE VERIFIED.

**-V3SP**  
(STRAIGHT PLUG)

(USE DRAWING No. MMCXV-P-C-XX-ST-CA1 FOR ASSEMBLY INSTRUCTIONS)



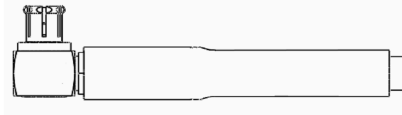
PLATING  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCXV-P-C-HF-ST-CA1)

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-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON MMCXV-P-C-XX-ST-CA1 THAT APPLY MUST BE VERIFIED.

**-V3RP**  
(RIGHT ANGLE PLUG)

(USE DRAWING No. MMCXV-P-C-XX-RA-CA1 FOR ASSEMBLY INSTRUCTIONS)



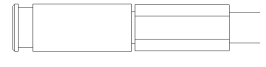
PLATING  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MMCXV-P-C-HF-RA-CA1)

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-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON MMCXV-P-C-XX-RA-CA1 THAT APPLY MUST BE VERIFIED.

**□ -23GJ**  
(STRAIGHT JACK)

(USE DRAWING No. AC-J-C-X-ST-CA1 FOR ASSEMBLY INSTRUCTIONS)



PLATING  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: AC-J-C-H-ST-CA1)

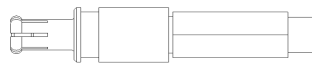
NOTE: ALL CRITICAL DIMENSIONS ON AC-J-C-X-ST-CA1 THAT APPLY MUST BE VERIFIED.

□ = FOR INTERNAL USE ONLY, NOT FOR SALE (SEE NOTE 19)

**□ -23GP**  
(STRAIGHT PLUG)

(USE DRAWING No. AC-P-C-X-ST-CA1 FOR ASSEMBLY INSTRUCTIONS)

□ = FOR INTERNAL USE ONLY, NOT FOR SALE (SEE NOTE 19)



PLATING  
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: AC-P-C-H-ST-CA1)

NOTE: ALL CRITICAL DIMENSIONS ON AC-P-C-X-ST-CA1 THAT APPLY MUST BE VERIFIED.

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

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DO NOT SCALE DRAWING  
SHEET SCALE: 2:1



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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
RF316 OR RF-174 CABLE ASSEMBLY

DWG. NO.  
RFXXXX-XXXX-XXXXXX-XXXX

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