

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

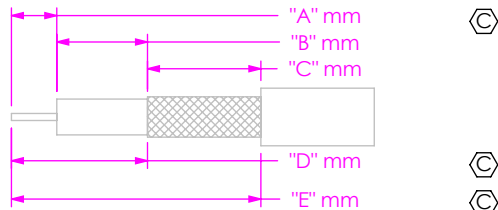


TABLE 1					
CABLE STRIPPING DIMENSIONS				CABLE CUT LENGTH	HI POT
STYLE	"A"	"D"	"E"	SUBTRACTOR	DCV
-01BJX	2.8 [0.11]	7.1 [0.28]	12.8 [0.50]	9.0 [0.35]	1000
-01BRX	2.5 [0.10]	6.7 [0.26]	12.4 [0.49]	9.4 [0.37]	1000
-02SJX	3.5 [0.14]	4.4 [0.17]	11.3 [0.44]	6.1 [0.24]	1000
-02RPX	1.4 [0.06]	3.8 [0.15]	8.4 [0.33]	1.9 [0.07]	1000
-02SPX	2.9 [0.11]	3.8 [0.15]	10.2 [0.40]	7.4 [0.29]	1000
-03SPX	2.0 [0.08]	4.6 [0.18]	9.1 [0.36]	4.2 [0.17]	1000
-03RPX	1.1 [0.04]	2.7 [0.11]	8.0 [0.31]	1.5 [0.06]	1000
-01SBX	2.8 [0.11]	7.1 [0.28]	12.8 [0.50]	9.0 [0.35]	1000
-01SRX	2.5 [0.10]	6.7 [0.26]	12.4 [0.49]	9.4 [0.37]	1000
-SING	-	-	-	0.0 [0.00]	1000
-XXXXXX	-	-	-	0.0 [0.00]	1000

CABLE CALLOUT
178: CCA-178 (RG-178 COAXIAL CABLE)

END 1 CONNECTOR
-01BJ: SMA-J-C-X-ST-BH2 (SEE SHEET 2)
-01BR: SMA-J-C-X-ST-BR2 (SEE SHEET 2)
-02SJ: MCX-J-C-X-ST-CA2 (SEE SHEET 2)
-02RP: MCX-P-C-XX-RA-CA2 (SEE SHEET 2)
-02SP: MCX-P-C-XX-ST-CA2 (SEE SHEET 2)
-03SP: MMCX-P-C-XX-ST-CA2 (SEE SHEET 2)
-03RP: MMCX-P-C-X-RA-CA2 (SEE SHEET 3)
-01SB: SMA-J-C-X-ST-SB2 (SEE SHEET 3)
-01SR: SMA-J-C-X-ST-SR2 (SEE SHEET 3)

END 1 PLATING OPTION
1: GOLD ALL COMPONENTS
2: GOLD / NICKEL COMBINATION
3: ALTERNATE GOLD / NICKEL
(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
2: GOLD / NICKEL COMBINATION
3: ALTERNATE GOLD / NICKEL
*(LEAVE BLANK FOR -SING OR -XXXXXX
END 2 PREPARATION)

END 2 CONNECTOR OR PREPARATION
-01BJ: SMA-J-C-X-ST-BH2 (SEE SHEET 2)
-01BR: SMA-J-C-X-ST-BR2 (SEE SHEET 2)
-02SJ: MCX-J-C-X-ST-CA2 (SEE SHEET 2)
-02RP: MCX-P-C-XX-RA-CA2 (SEE SHEET 2)
-02SP: MCX-P-C-XX-ST-CA2 (SEE SHEET 2)
-03SP: MMCX-P-C-XX-ST-CA2 (SEE SHEET 2)
-03RP: MMCX-P-C-X-RA-CA2 (SEE SHEET 3)
-01SB: SMA-J-C-X-ST-SB2 (SEE SHEET 3)
-01SR: SMA-J-C-X-ST-SR2 (SEE SHEET 3)
-SING: SINGLE ENDED (ONE END ONLY, SEE NOTE 11)
-XXXXXX: STRIPPED AND TINNED (THIS END ONLY-
SEE NOTES 11-15 & SHEET 3, FIG. 3)

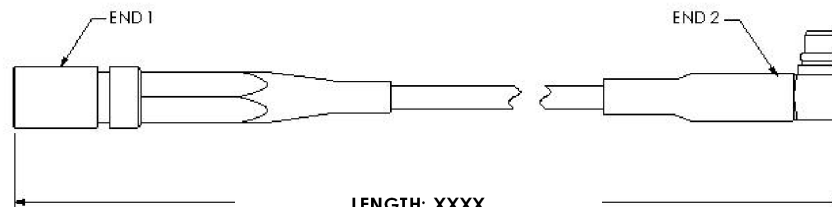
TABLE 2: FINAL ASSEMBLY LENGTH TOLERANCE	
LENGTH	TOLERANCE
0100-0200 [3.92-7.87]	+3.0 [1.12]/-0.0 [0.00]
0200-0500 [7.87-19.69]	+5.0 [2.20]/-0.0 [0.00]
0500-1100 [19.69-43.30]	+10.0 [4.40]/-0.0 [0.00]
>1100 [43.30]	± 1%

(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.
- 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-3033-M.
-LOCKWASHERS, NUTS, AND GASKETS TO BE SHIPPED 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 RG178 = 10.2 [4.0].
- 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.
- FOR -RA TO -RA, CONNECTORS SHOULD BOTH BE ORIENTED UP. (SEE SHEET 3, FIG. 4)



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

FIG. 1
RF178-02SJX-03RPX-XXXX SHOWN

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

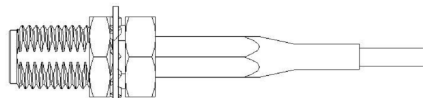
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS (INCHES). TOLERANCES ARE: DECIMALS ANGLES .X: ±0.3 [0.1] 2° .XX: ±0.13 [0.05] .XXX: ±0.051 [0.020]	PROPRIETARY NOTE THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, 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
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1 SEE END 1 AND END 2 ASSEMBLY PRINTS	DESCRIPTION: RF178 CABLE ASSEMBLY DWG. NO. RF178-XXXXX-XXXXXX-XXXX BY: TIM P. 5/6/2005 SHEET 1 OF 3	

-01BJ

(STRAIGHT BULKHEAD JACK)

(USE DRAWING No. SMA-J-C-X-ST-BH2 FOR ASSEMBLY INSTRUCTIONS)



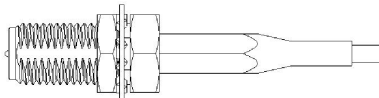
PLATING
 1: 30µ" MIN. GOLD CENTER CONTACT
 3µ" MIN. GOLD OUTER CONTACT
 3µ" MIN. GOLD REMAINING METAL PARTS
 (END CONNECTOR P/N: SMA-J-C-H-ST-BH2)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-BH2 THAT APPLY MUST BE VERIFIED.

-01BR (REVERSED POLARITY)

(STRAIGHT BULKHEAD JACK)

(USE DRAWING No. SMA-J-C-X-ST-BR2 FOR ASSEMBLY INSTRUCTIONS)



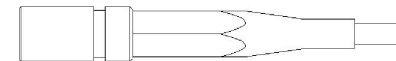
PLATING
 1: 30µ" MIN. GOLD CENTER CONTACT
 3µ" MIN. GOLD OUTER CONTACT
 3µ" MIN. GOLD REMAINING METAL PARTS
 (END CONNECTOR P/N: SMA-J-C-H-ST-BR2)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-BR2 THAT APPLY MUST BE VERIFIED.

-02SJ

(STRAIGHT JACK)

(USE DRAWING No. MCX-J-C-X-ST-CA2 FOR ASSEMBLY INSTRUCTIONS)



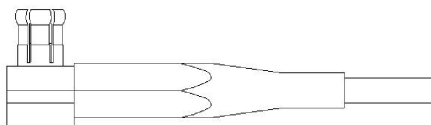
PLATING
 1: 30µ" MIN. GOLD CENTER CONTACT
 3µ" MIN. GOLD OUTER CONTACT
 3µ" MIN. GOLD REMAINING METAL PARTS
 (END CONNECTOR P/N: MCX-J-C-H-ST-CA2)

NOTE: ALL CRITICAL DIMENSIONS ON MCX-J-C-X-ST-CA2 THAT APPLY MUST BE VERIFIED.

-02RP

(RIGHT ANGLE PLUG)

(USE DRAWING No. MCX-P-C-XX-RA-CA2 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-CA2)

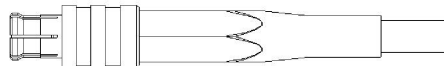
2: 30µ" MIN. GOLD CENTER CONTACT
 3µ" MIN. GOLD OUTER CONTACT
 100µ" MIN. NICKEL REMAINING METAL PARTS
 (END CONNECTOR P/N: MCX-P-C-HN-RA-CA2)

NOTE: ALL CRITICAL DIMENSIONS ON MCX-P-C-XX-RA-CA2 THAT APPLY MUST BE VERIFIED.

-02SP

(STRAIGHT PLUG)

(USE DRAWING No. MCX-P-C-XX-ST-CA2 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-CA2)

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-CA2)

NOTE: ALL CRITICAL DIMENSIONS ON MCX-P-C-XX-ST-CA2 THAT APPLY MUST BE VERIFIED.

-03SP

(STRAIGHT PLUG)

(USE DRAWING No. MMCX-P-C-XX-ST-CA2 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-CA2)

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-CA2)

NOTE: ALL CRITICAL DIMENSIONS ON MMCX-P-C-XX-ST-CA2 THAT APPLY MUST BE VERIFIED.

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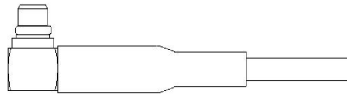
DESCRIPTION: RF178 CABLE ASSEMBLY

DWG. NO. RF178-XXXX-XXXX-XXXX

BY: TIM P. 5/6/2005 SHEET 2 OF 3

-03RP
(RIGHT ANGLE PLUG)

(USE DRAWING No. MMCX-P-C-X-RA-CA2
FOR ASSEMBLY INSTRUCTIONS)

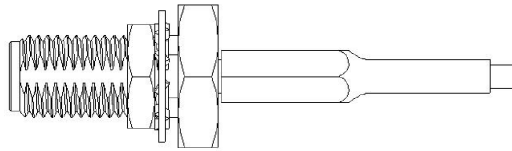


PLATING
1: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: MMCX-P-C-H-RA-CA2)

NOTE: ALL CRITICAL DIMENSIONS ON MMCX-P-C-X-RA-CA2
THAT APPLY MUST BE VERIFIED.

-01SB
(STRAIGHT BULKHEAD JACK)

(USE DRAWING No. SMA-J-C-X-ST-SB2
FOR ASSEMBLY INSTRUCTIONS)

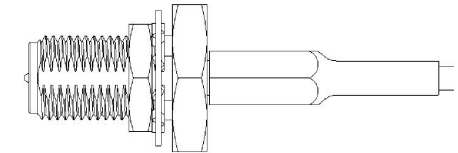


PLATING
1: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: SMA-J-C-H-ST-SB2)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-SB2
THAT APPLY MUST BE VERIFIED.

-01SR (REVERSED POLARITY)
(SEALED STRAIGHT BULKHEAD JACK)

(USE DRAWING No. SMA-J-C-X-ST-SR2
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-SR2)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-X-ST-SR2
THAT APPLY MUST BE VERIFIED.

FIG.3
RF178-02SPX-102148-XXXX SHOWN

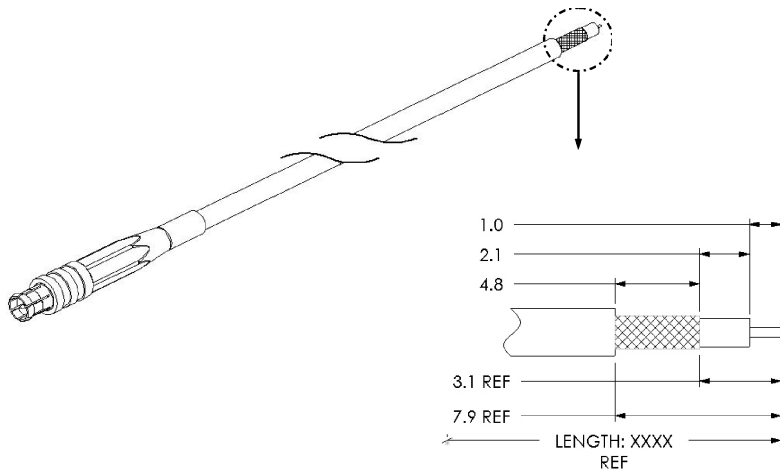
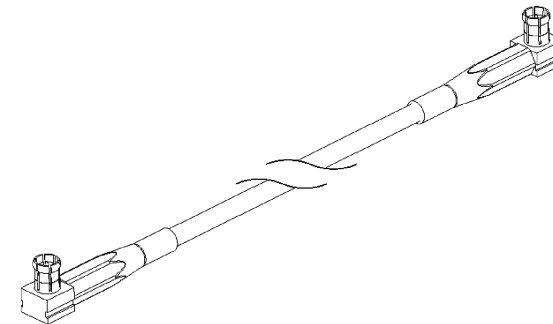


FIG.4
RF178-02RPX-02RPX-XXXX SHOWN
(SEE NOTE 16)



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DESCRIPTION:

RF178 CABLE ASSEMBLY

DWG. NO.

RF178-XXXXX-XXXXXX-XXXX

BY: TIM P.

5/6/2005

SHEET 3 OF 3