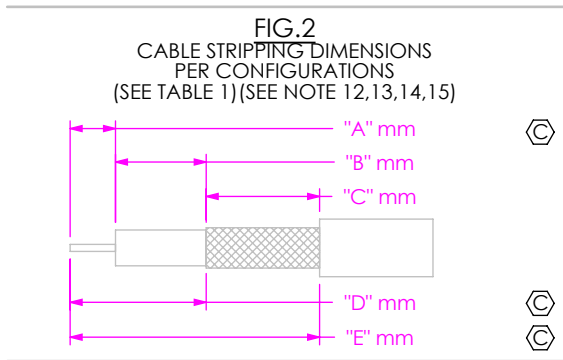


DESIGNED & DIMENSIONED  
IN MILLIMETERS [INCHES]

RF179-XXXXX-XXXXXX-XXXX



CABLE STRIPPING DIMENSIONS				CABLE CUT LENGTH	HI POT
STYLE	"A"	"D"	"E"	SUBTRACTOR	DCV
-72SPX	2.0 [0.08]	3.9 [0.15]	9.1 [0.36]	7.3 [0.29]	1000
-72RPX	1.0 [0.04]	3.1 [0.12]	7.9 [0.31]	2.0 [0.08]	1000
-74SPX	3.2 [0.13]	5.4 [0.21]	12.1 [0.48]	10.3 [0.41]	1000
-74BJX	5.3 [0.21]	9.4 [0.37]	18.0 [0.71]	13.4 [0.53]	1000
-77SPX	2.0 [0.08]	4.2 [0.16]	9.5 [0.37]	7.5 [0.29]	1000
-77RPX	1.3 [0.05]	4.3 [0.17]	9.5 [0.38]	2.9 [0.11]	1000
-SING	-	-	-	0.0 [0.00]	1000
-XXXXXX	-	-	-	0.0 [0.00]	1000

CABLE CALLOUT  
T79: CCA-179 (RG-179 COAXIAL CABLE)

END 1 CONNECTOR  
-72SP: MCX7-P-C-XX-ST-CA3 (SEE SHEET 2)  
-72RP: MCX7-P-C-XX-RA-CA3 (SEE SHEET 2)  
-74SP: BNC7T-P-C-XX-ST-CA3 (SEE SHEET 2)  
-74BJ: BNC7T-J-C-XX-ST-BH3 (SEE SHEET 2)  
-77SP: SMB7H-P-C-XX-ST-CA3 (SEE SHEET 2)  
-77RP: SMB7H-P-C-XX-RA-CA3 (SEE SHEET 2)

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  
-72SP: MCX7-P-C-XX-ST-CA3 (SEE SHEET 2)  
-72RP: MCX7-P-C-XX-RA-CA3 (SEE SHEET 2)  
-74SP: BNC7T-P-C-XX-ST-CA3 (SEE SHEET 2)  
-74BJ: BNC7T-J-C-XX-ST-BH3 (SEE SHEET 2)  
-77SP: SMB7H-P-C-XX-ST-CA3 (SEE SHEET 2)  
-77RP: SMB7H-P-C-XX-RA-CA3 (SEE SHEET 2)  
-SING: SINGLE ENDED (ONE END ONLY, SEE NOTE 11)  
-XXXXXX: STRIPPED AND TINNED (THIS END ONLY-  
SEE NOTE 11-15, SHEET 2, FIG. 3)  
(SEE FIG. 2) "C" FORMAT: X.X  
(SEE FIG. 2) "B" FORMAT: X.X  
(SEE FIG. 2) "A" FORMAT: X.X

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

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%

NOTES:

- ⑥ 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 TEST, 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 500 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA
- MINIMUM BEND RADIUS FOR RG179 = 10.2 [.40].
- 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, CONNECTOR SHOULD BOTH BE ORIENTED UP. (SEE SHEET 2, FIG. 4)

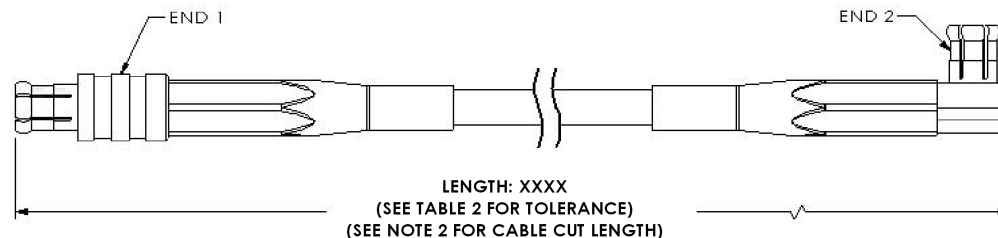


FIG. 1  
RF179-72SPX-72RPX-XXXX SHOWN

**Pb** 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 [.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**

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DESCRIPTION: RF179 CABLE ASSEMBLY  
DWG. NO. RF179-XXXXX-XXXXXX-XXXX  
BY: B. RAY 1-30-2007 SHEET 1 OF 2

REVISION J

**-72SP**  
(STRAIGHT PLUG)

(USE DRAWING No. MCX7-P-C-XX-ST-CA3  
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: MCX7-P-C-H-ST-CA3)

2: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MCX7-P-C-HN-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON MCX7-P-C-XX-ST-CA3  
THAT APPLY MUST BE VERIFIED.

**-72RP**  
(RIGHT ANGLE PLUG)

(USE DRAWING No. MCX7-P-C-XX-RA-CA3  
FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

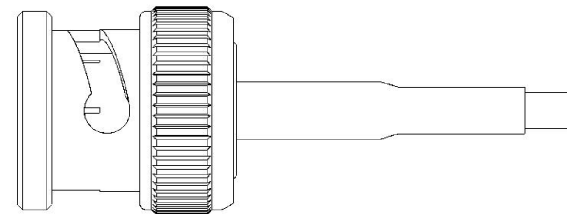
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: MCX7-P-C-H-RA-CA3)

2: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MCX7-P-C-HN-RA-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON MCX7-P-C-XX-RA-CA3  
THAT APPLY MUST BE VERIFIED.

**-74SP**  
(STRAIGHT PLUG)

(USE DRAWING No. BNC7T-P-C-XX-ST-CA3  
FOR ASSEMBLY INSTRUCTIONS)



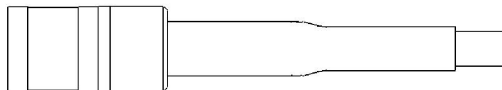
PLATING

3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: BNC7T-P-C-MN-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON BNC7T-P-C-XX-ST-CA3  
THAT APPLY MUST BE VERIFIED.

**-77SP**  
(STRAIGHT PLUG)

(USE DRAWING No. SMB7H-P-C-XX-ST-CA3  
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: SMB7H-P-C-H-ST-CA3)

2: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: SMB7H-P-C-HN-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON SMB7H-P-C-XX-ST-CA3  
THAT APPLY MUST BE VERIFIED.

**-77RP**  
(RIGHT ANGLE PLUG)

(USE DRAWING No. SMB7H-P-C-XX-RA-CA3  
FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

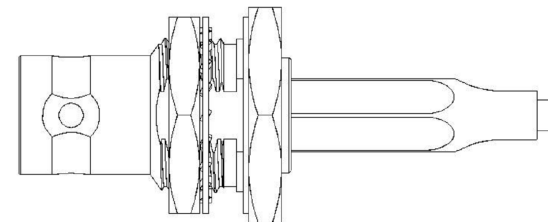
1: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
3µ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMB7H-P-C-H-RA-CA3)

2: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: SMB7H-P-C-HN-RA-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON SMB7H-P-C-XX-RA-CA3  
THAT APPLY MUST BE VERIFIED.

**-74BJ**  
(STRAIGHT BULKHEAD JACK)

(USE DRAWING No. BNC7T-J-C-XX-ST-BH3  
FOR ASSEMBLY INSTRUCTIONS)



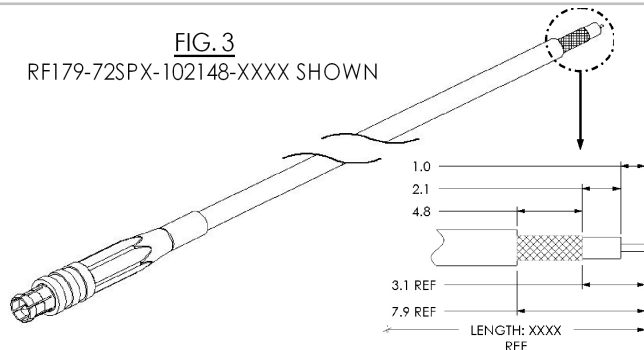
PLATING OPTIONS

2: 30µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: BNC7T-J-C-HN-ST-BH3)

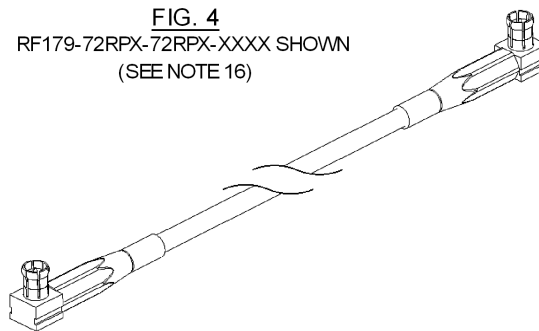
3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: BNC7T-J-C-MN-ST-BH3)

NOTE: ALL CRITICAL DIMENSIONS ON BNC7T-J-C-XX-ST-BH3  
THAT APPLY MUST BE VERIFIED.

**FIG. 3**  
RF179-72SPX-102148-XXXX SHOWN



**FIG. 4**  
RF179-72RPX-72RPX-XXXX SHOWN  
(SEE NOTE 16)



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SHEET SCALE: 1:1



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

DESCRIPTION:

RF179 CABLE ASSEMBLY

DWG. NO.

RF179-XXXXX-XXXXXX-XXXX

BY: B. RAY 1-30-2007

SHEET 2 OF 2