

DO NOT  
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**FIG 2**  
CABLE STRIPPING DIMENSIONS  
PER CONFIGURATIONS  
(SEE NOTES 12,13,14)

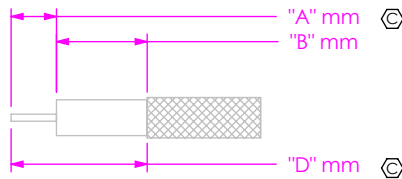


TABLE 1		
	CABLE CUT LENGTH	HI POT
STYLE	SUBTRACTOR	DCV
-01SPX	5.8 [0.23]	1000
-01RPX	3.1 [0.12]	1000
-00SJX	3.8 [0.15]	500
-00RJX	1.7 [0.07]	500
-10BHX	12.0 [0.47]	500
-10PNX	17.8 [0.70]	500
-SING	0.0 [0.00]	-
XXXX	0.0 [0.00]	-

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%

## NOTES:

- ③ REPRESENTS A CRITICAL DIMENSION.
- 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.
- ③ 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 RF405 = 3.18 [0.125],  
RR405 SUPPLIED AS STRAIGHT ASSEMBLIES ONLY, WITH MAX LENGTH: 585[23"]
- 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" AND "B" 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.
- NOTE DELETED.
- FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.
- CONNECTORS TO BE ORIENTED ACCORDING TO CO-HD-WI-3048-M.

OPTION  
F: SEMI FLEXIBLE  
\*R: SEMI RIGID  
(SEE NOTE 10)

CABLE CALLOUT  
405: CCA-405-X(RG-405 COAXIAL CABLE)

## END 1 CONNECTOR

-01SP: SMA-P-C-XX-ST-CA7 (SEE SHEET 2)  
-01RP: SMA-P-C-XX-RA-CA7 (SEE SHEET 2)  
-00SJ: SMP-J-C-XX-ST-CA7 (SEE SHEET 2)  
-00RJ: SMP-J-C-XX-RA-CA7 (SEE SHEET 2)  
-10BH: AFI-P-C-XX-ST-BH7 (SEE SHEET 2)  
-10PN: AFI-J-C-XX-ST-PN7 (SEE SHEET 3)

## END 1 PLATING OPTION

1: GOLD ALL COMPONENTS  
4: ALTERNATE GOLD /GOLD FLASH/ NICKEL  
7: ALTERNATE GOLD MEDIUM/ GOLD FLASH  
9: ALTERNATE HEAVY GOLD/MEDIUM GOLD  
P: HEAVY GOLD / PASSIVATED STAINLESS STEEL  
(SEE SHEET 2 FOR PLATING SPECIFICS)

OVERALL CABLE LENGTH  
MILLIMETERS OF CABLE (SEE NOTES 8 & 9)  
0100 MIN FOR RF405 (SEMI-FLEXIBLE)  
0100 MIN - 0305 MAX FOR RR405 (SEMI-RIGID)

## END 2 PLATING OPTION

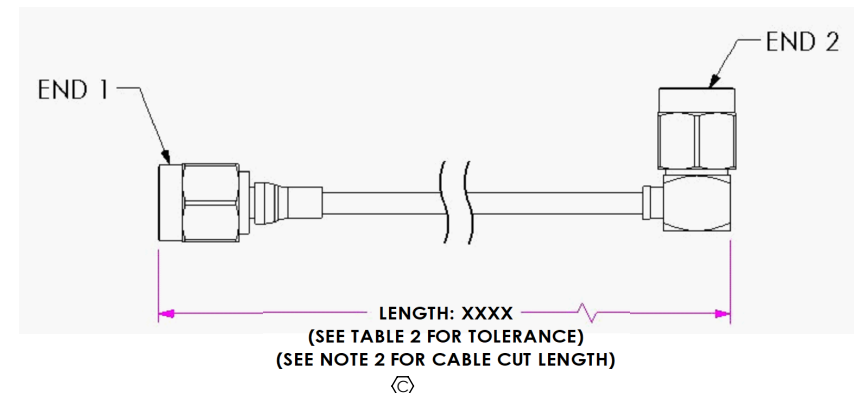
1: GOLD ALL COMPONENTS  
2: GOLD/NICKEL  
4: ALTERNATE GOLD /GOLD FLASH/ NICKEL  
7: ALTERNATE GOLD MEDIUM/ GOLD FLASH  
9: ALTERNATE HEAVY GOLD/MEDIUM GOLD  
P: HEAVY GOLD / PASSIVATED STAINLESS STEEL  
(SEE SHEET 2 FOR PLATING SPECIFICS)  
(LEAVE BLANK FOR -SING OR -XXXX  
END 2 PREPARATION)

## END 2 CONNECTOR OR PREPARATION

-01SP: SMA-P-C-XX-ST-CA7 (SEE SHEET 2)  
-01RP: SMA-P-C-XX-RA-CA7 (SEE SHEET 2)  
-00SJ: SMP-J-C-XX-ST-CA7 (SEE SHEET 2)  
-00RJ: SMP-J-C-XX-RA-CA7 (SEE SHEET 2)  
-10BH: AFI-P-C-XX-ST-BH7 (SEE SHEET 2)  
-10PN: AFI-J-C-XX-ST-PN7 (SEE SHEET 3)  
-SING: SINGLE ENDED (ONE END ONLY, SEE NOTE 11)  
-XXXX: STRIPPED AND TINNED (THIS END ONLY-  
SEE NOTES 11-16 & SHEET 2, FIG. 3)

(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.



**FIG 1**  
RF405-01SPX-01RPX-XXXX SHOWN

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  
SEE END 1 AND END 2 ASSEMBLY PRINTS

SHEET SCALE: 2:1

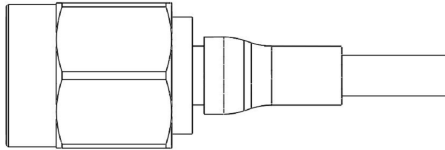
**samtec**

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

DESCRIPTION: RF405 OR RR405 CABLE ASSEMBLY

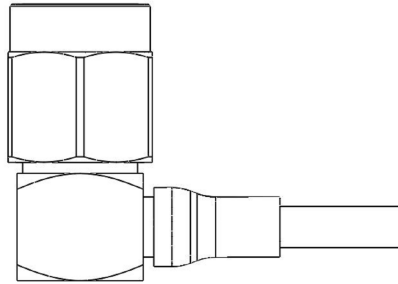
DWG. NO. RX405-XXXXX-XXXX-XXXX

BY: ALVIN W 01/11/2011 SHEET 1 OF 3

**-01SP**  
(STRAIGHT PLUG)(USE DRAWING No. SMA-P-C-XX-ST-CA7  
FOR ASSEMBLY INSTRUCTIONS)

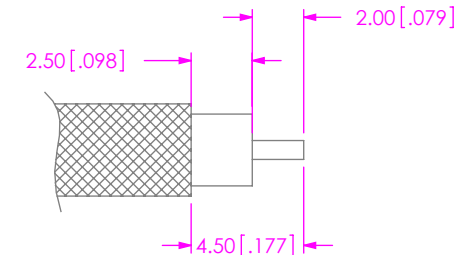
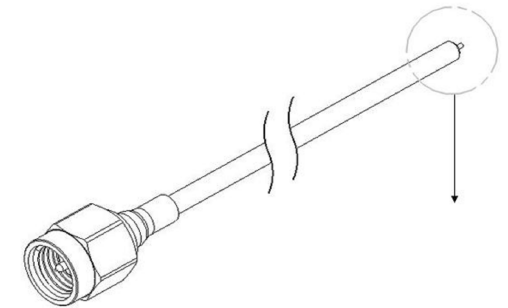
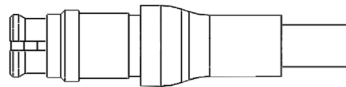
## PLATING OPTIONS

- 1: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-P-C-HF-ST-CA7)
- 4: 10μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-P-C-GN-ST-CA7)
- 7: 10μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-P-C-GF-ST-CA7)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-P-C-XX-ST-CA7  
THAT APPLY MUST BE VERIFIED.**-01RP**  
(RIGHT ANGLE PLUG)(USE DRAWING No. SMA-P-C-XX-RA-CA7  
FOR ASSEMBLY INSTRUCTIONS)

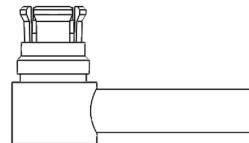
## PLATING OPTIONS

- 1: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-P-C-HF-RA-CA7)
- 4: 10μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-P-C-GN-RA-CA7)
- 7: 10μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-P-C-GF-RA-CA7)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-P-C-XX-RA-CA7  
THAT APPLY MUST BE VERIFIED.FIG 3  
RX405-01SPX-2025-XXXX SHOWN**-00SJ**  
(STRAIGHT JACK)(USE DRAWING No. SMP-J-C-XX-ST-CA7  
FOR ASSEMBLY INSTRUCTIONS)

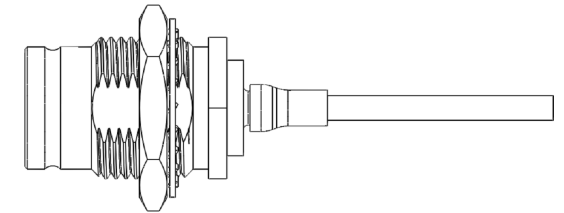
## PLATING OPTIONS

- 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-CA7)
- 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-CA7)

NOTE: ALL CRITICAL DIMENSIONS ON SMP-J-C-XX-ST-CA7  
THAT APPLY MUST BE VERIFIED.**-00RJ**  
(RIGHT ANGLE JACK)(USE DRAWING No. SMP-J-C-XX-RA-CA7  
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-CA7)
- 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-CA7)

NOTE: ALL CRITICAL DIMENSIONS ON SMP-J-C-XX-RA-CA7  
THAT APPLY MUST BE VERIFIED.**-10BH**  
(STRAIGHT BULKHEAD PLUG)(USE DRAWING No. AFI-P-C-XX-ST-BH7  
FOR ASSEMBLY INSTRUCTIONS)

- 4: 10μ" MIN. GOLD CENTER CONTACT  
5μ" MIN. GOLD OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: AFI-P-C-XX-ST-BH7)

F:\DWG\MISC\MKTG\RX405-XXXXX-XXXX-XXXX -MKT.SLDRW

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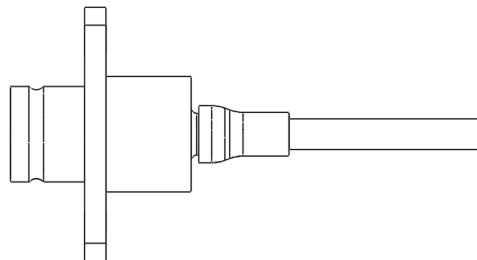
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
RF405 OR RR405 CABLE ASSEMBLYDWG. NO.  
**RX405-XXXXX-XXXXX-XXXX**

BY: ALVIN W 01/11/2011 SHEET 2 OF 3

**-10PN**  
(STRAIGHT PANEL MOUNT JACK)

(USE DRAWING No. AFI-J-C-XX-ST-PN7  
FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS  
1: 10μ" MIN. GOLD CENTER CONTACT  
5μ" MIN. GOLD OUTER CONTACT  
5μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: AFI-J-C-XX-ST-PN7)

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