

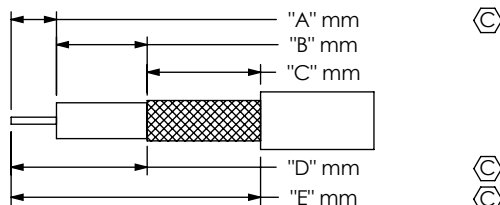
DO NOT  
SCALE FROM  
THIS PRINTFIG 2  
CABLE STRIPPING DIMENSIONS  
PER CONFIGURATIONS  
(SEE TABLE 1)(SEE NOTES 12,13,14,15)

TABLE 1

	CABLE CUT LENGTH	HI POT
STYLE	SUBTRACTOR	DCV
-05SRX	9.2 [0.36]	1000
-06SPX	15.3 [0.60]	1000
-01BJX	8.7 [0.34]	1000
-01SBX	8.7 [0.34]	1000
-01SPX	5.2 [0.20]	1000
-SING	0.0 [0.00]	1000

TABLE 2: FINAL ASSEMBLY LENGTH TOLERANCE

LENGTH	TOLERANCE
0100-0200 [3.92-7.87]	+3.0 [.12]/-0.0 [0.00]
0200-0500 [7.87-19.69]	+5.0 [.20]/-0.0 [0.00]
0500-1100 [19.69-43.30]	+10.0 [.40]/-0.0 [0.00]
>1100 [43.30]	± 1%

RF058-XXXXX-XXXXXX-XXXX

CABLE CALLOUT  
058: CCA-058 (RG-58 COAXIAL CABLE)

## END 1 CONNECTOR

-05SR: TNC-P-C-XX-SR-C10 (SEE SHEET 2)  
-06SP: NTPE-P-C-XX-ST-C10 (SEE SHEET 2)  
-01BJ: SMA-J-C-XX-ST-B10 (SEE SHEET 2)  
-01SB: SMA-J-C-XX-ST-S10 (SEE SHEET 2)  
-01SP: SMA-P-C-XX-ST-C10 (SEE SHEET 2)

## END 1 PLATING OPTION

1: GOLD ALL COMPONENTS  
2: GOLD/NICKEL  
3: ALTERNATE GOLD / NICKEL  
7: ALTERNATE GOLD MEDIUM/ GOLD FLASH  
(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  
3: ALTERNATE GOLD / NICKEL  
7: ALTERNATE GOLD MEDIUM/ GOLD FLASH  
(SEE SHEET 2 FOR PLATING SPECIFICS)  
(LEAVE BLANK FOR -SING OR -XXXXXX  
END 2 PREPARATION)

## END 2 CONNECTOR OR PREPARATION

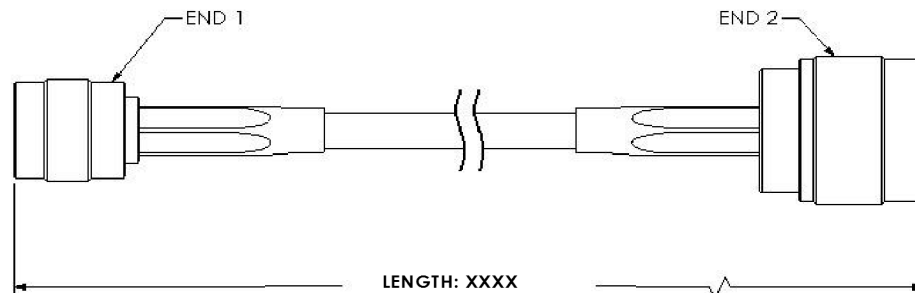
-05SR: TNC-P-C-XX-SR-C10 (SEE SHEET 2)  
-06SP: NTPE-P-C-XX-ST-C10 (SEE SHEET 2)  
-01BJ: SMA-J-C-XX-ST-B10 (SEE SHEET 2)  
-01SB: SMA-J-C-XX-ST-S10 (SEE SHEET 2)  
-01SP: SMA-P-C-XX-ST-C10 (SEE SHEET 2)  
-SING: SINGLE ENDED (ONE END ONLY, SEE NOTE 11)  
-XXXXXX: STRIPPED AND TINNED (THIS END ONLY-  
SEE NOTES 11-16 & SHEET 2, 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
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-HD-WI-3040-M. LOCK WASHERS AND NUTS TO BE SHIPPED UNASSEMBLED. GASKETS TO BE INSTALLED ON CABLE.
8. CABLE STOCKED IN INCHES, 1 INCH = 25.4 MILLIMETERS
9. CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA
10. MINIMUM BEND RADIUS FOR RG058 = 48.3 [1.90]
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. CONNECTOR TO BE ORIENTED ACCORDING TO CO-HD-WI-3048-M.

FIG 1  
RF058-05SRX-06SPX-XXXX SHOWN THIS PRODUCT MANUFACTURED  
WITH LEAD-FREE PROCESSING

F:\DWG\MISC\MKTG\RF058-XXXXX-XXXXXX-XXXX-MKT.SLDDRW

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

DESCRIPTION:

RF058 CABLE ASSEMBLY

DWG. NO.

RF058-XXXXX-XXXXXX-XXXX

BY: TIM P.

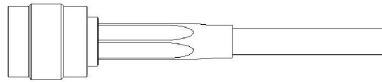
5/6/2005

SHEET 1 OF 2

# REVISION Q

## -05SR (STRAIGHT PLUG)

(USE DRAWING No. TNC-P-C-XX-SR-C10  
FOR ASSEMBLY INSTRUCTIONS)



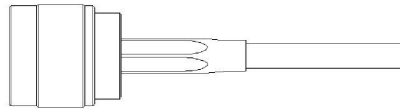
### PLATING OPTION

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-SR-C10)

NOTE: ALL CRITICAL DIMENSIONS ON TNC-P-C-XX-SR-C10  
THAT APPLY MUST BE VERIFIED.

## -06SP (STRAIGHT PLUG)

(USE DRAWING No. NTPE-P-C-XX-ST-C10  
FOR ASSEMBLY INSTRUCTIONS)



### PLATING OPTIONS

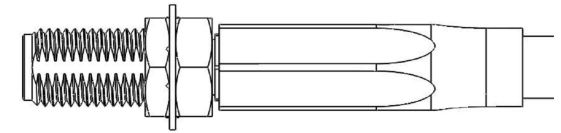
2: 30μ" MIN. GOLD CENTER CONTACT  
100μ" MIN. NICKEL OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: NTPE-P-C-HN-ST-C10)

3: 10μ" MIN. GOLD CENTER CONTACT  
100μ" MIN. NICKEL OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: NTPE-P-C-GN-ST-C10)

NOTE: ALL CRITICAL DIMENSIONS ON NTPE-P-C-XX-ST-C10  
THAT APPLY MUST BE VERIFIED.

## -01BJ (STRAIGHT BULKHEAD JACK)

(USE DRAWING No. SMA-J-C-XX-ST-B10  
FOR ASSEMBLY INSTRUCTIONS)



### PLATING OPTIONS

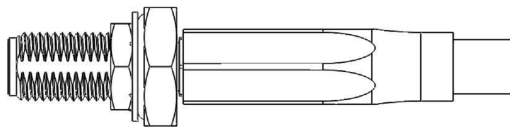
1: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C-H-ST-B10)

7: 10μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C-GF-ST-B10)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-XX-ST-B10  
THAT APPLY MUST BE VERIFIED.

## -01SB (SEALED STRAIGHT BULKHEAD JACK)

(USE DRAWING No. SMA-J-C-XX-ST-S10  
FOR ASSEMBLY INSTRUCTIONS)



### PLATING OPTIONS

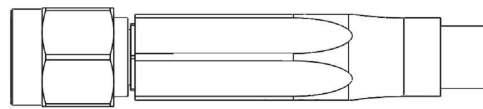
1: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C-H-ST-S10)

7: 10μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-J-C-GF-ST-S10)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-J-C-XX-ST-S10  
THAT APPLY MUST BE VERIFIED.

## -01SP (STRAIGHT PLUG)

(USE DRAWING No. SMA-P-C-XX-ST-C10  
FOR ASSEMBLY INSTRUCTIONS)



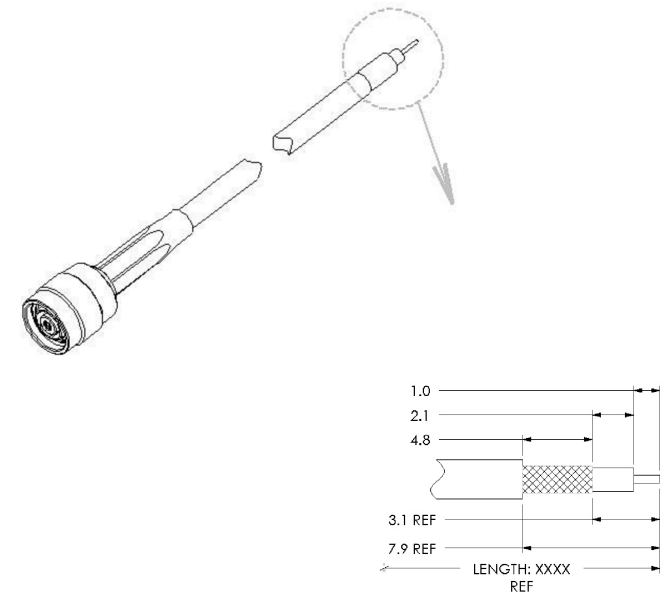
### PLATING OPTIONS

1: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: SMA-P-C-H-ST-C10)

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-C10)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-P-C-XX-ST-C10  
THAT APPLY MUST BE VERIFIED.

FIG.3  
RF058-05SRX-102148-XXXX SHOWN



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SHEET SCALE: 1:1

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e-Mail: info@SAMTEC.com code 55322

### DESCRIPTION:

RF058 CABLE ASSEMBLY

### DWG. NO.

RF058-XXXXX-XXXXXX-XXXX

BY: TIM P.

5/6/2005

SHEET 2 OF 2

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