

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

**DESIGNED & DIMENSIONED IN MILLIMETERS(INCHES)**

DO NOT SCALE FROM THIS PRINT

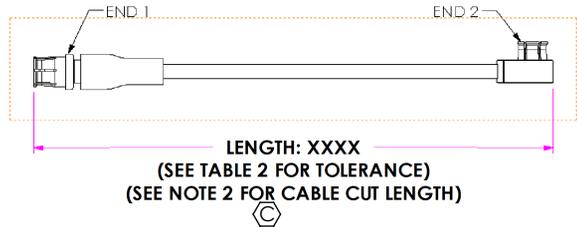
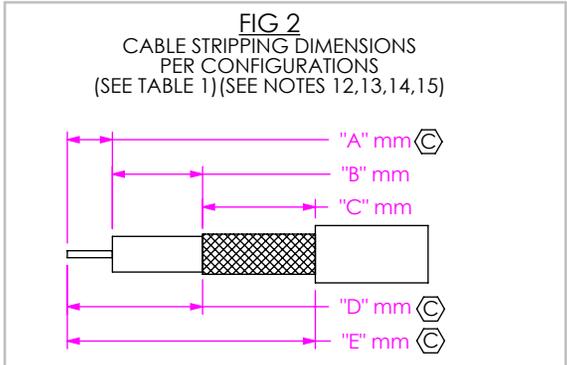


FIG 1  
RX047-11SPX-11RPX-XXXX SHOWN

**RF047-XXXX-XXXX-XXXX**

OPTION  
F: FLEXIBLE (SEE NOTE 10)

CABLE CALL OUT  
047: CCA-047-X (.047" COAXIAL CABLE)

END 1 CONNECTOR  
-11SP: HMHF1-P-C-XX-ST-C47 (SEE SHEET 2)  
-11RP: HMHF1-P-C-XX-RA-C47 (SEE SHEET 2)  
-01SP: SMA-P-C-XX-ST-C47 (SEE SHEET 3)

END 1 PLATING OPTION  
1: GOLD ALL COMPONENTS  
6. ALTERNATE H GOLD / H GOLD / NICKEL  
9. ALTERNATE HEAVY GOLD/MEDIUM GOLD  
P: HEAVY GOLD / PASSIVATED STAINLESS STEEL (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  
6. ALTERNATE H GOLD / H GOLD / NICKEL  
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  
-11SP: HMHF1-P-C-XX-ST-C47 (SEE SHEET 2)  
-11RP: HMHF1-P-C-XX-RA-C47 (SEE SHEET 2)  
-01SP: SMA-P-C-XX-ST-C47 (SEE SHEET 3)  
-SING: SINGLE ENDED (ONE END ONLY, SEE NOTE 11)  
-XXXXXX: STRIPPED AND TINNED (THIS END ONLY- SEE NOTES 11-15, 18 & 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, 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. ASSEMBLIES WITH LOCKWASHERS, NUTS, AND GASKETS TO BE SHIPPED KITTED AS ONE ASSEMBLY PER BAG, UNASSEMBLED.
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 RX047 = 5.00 [1.96].
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" AND "B" 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. CONNECTORS TO BE ORIENTED ACCORDING TO CO-HD-WI-3048-M.
17. FOR BULKHEAD APPLICATIONS, THE END USER SHOULD TIGHTEN THE THREADED NUT TO 15 IN-LB MINIMUM.
18. FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.

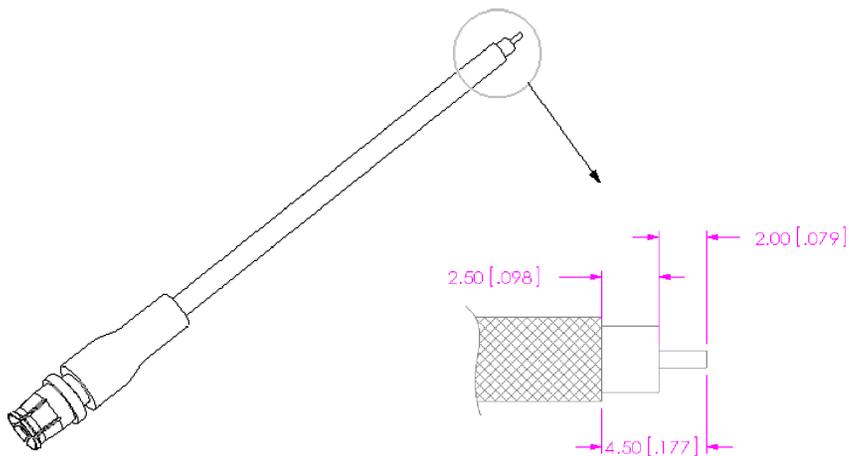
F:\DWG\MISC\MKTG\RF047-XXXX-XXXX-XXXX-MKT.SLDDRW

<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES]. TOLERANCES ARE: DECIMALS      ANGLES .X: ±0.3 [0.1]      5° .XX: ±0.13 [0.05] .XXX: ±0.051 [0.020]</p>	<p><b>PROPRIETARY NOTE</b> THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.</p>	 <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><b>MATERIAL:</b> DO NOT SCALE DRAWING SEE END 1 AND END 2 ASSEMBLY PRINTS</p>	<p>SHEET SCALE: 2:1</p>	<p>DESCRIPTION: .047" CABLE ASSEMBLY</p> <p>DWG. NO. RF047-XXXX-XXXX-XXXX</p> <p>BY: EMMA CHEN    3/20/2013    SHEET 1 OF 3</p>

TABLE 1		
CABLE STYLE	CABLE CUT LENGTH SUBTRACTOR	HI-POT DCV
-11SPX	2.0 [0.08]	500
-11RPX	1.5 [0.06]	500
-01SPX	0.9 [0.04]	500
-SING	0.0 [0.00]	500
-XXXXXX	0.0 [0.00]	500

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%

FIG 3  
RX047-11SPX-2025-XXXX SHOWN



-11SP  
(STRAIGHT PLUG)

(USE DRAWING No. HMHF1-P-C-XX-ST-C47 FOR ASSEMBLY INSTRUCTIONS)



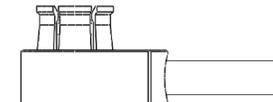
PLATING

9: 30μ" MIN. GOLD CENTER CONTACT  
10μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: HMHF1-P-C-HG-ST-C47)

NOTE: ALL CRITICAL DIMENSIONS ON HMHF1-P-C-XX-ST-C47 THAT APPLY MUST BE VERIFIED.

-11RP  
(RIGHT ANGLE PLUG)

(USE DRAWING No. HMHF1-P-C-XX-RA-C47 FOR ASSEMBLY INSTRUCTIONS)



PLATING

9: 30μ" MIN. GOLD CENTER CONTACT  
10μ" MIN. GOLD OUTER CONTACT  
3μ" MIN. GOLD REMAINING METAL PARTS  
(END CONNECTOR P/N: HMHF1-P-C-HG-RA-C47)

NOTE: ALL CRITICAL DIMENSIONS ON HMHF1-P-C-XX-RA-C47 THAT APPLY MUST BE VERIFIED.

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1



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DESCRIPTION: .047" CABLE ASSEMBLY

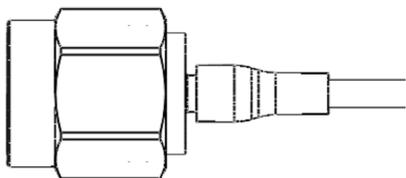
DWG. NO. RF047-XXXXX-XXXXXX-XXXX

BY: EMMA CHEN 3/20/2013 SHEET 2 OF 3

REVISION F

-01SP  
(STRAIGHT PLUG)

(USE DRAWING No. SMA-P-C-XX-ST-C47  
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-HF-ST-C47)

NOTE: ALL CRITICAL DIMENSIONS ON SMA-P-C-XX-ST-C47  
THAT APPLY MUST BE VERIFIED.

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DESCRIPTION:  
.047" CABLE ASSEMBLY

DWG. NO.  
**RF047-XXXXX-XXXXXX-XXXX**

BY: EMMA CHEN 3/20/2013 SHEET 3 OF 3