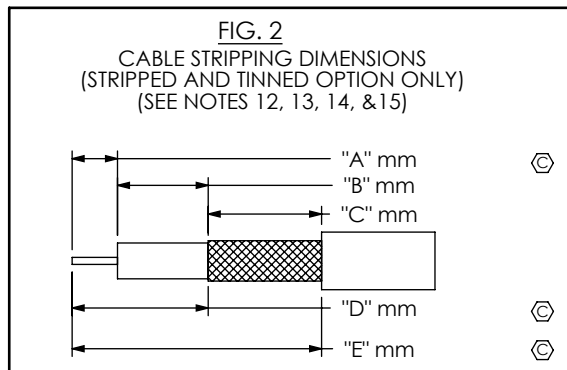


DO NOT  
SCALE FROM  
THIS PRINTDESIGNED & DIMENSIONED  
IN MILLIMETERS[INCHES]

RFB8T-XXXXX-XXXXXX-XXXX



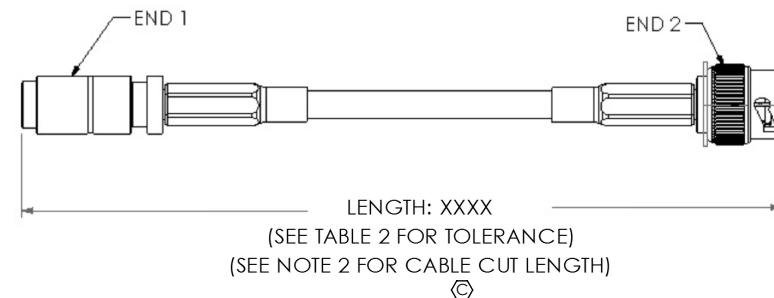
| TABLE 1 |                            |        |
|---------|----------------------------|--------|
|         | CABLE CUT LENGTH           | HI POT |
| STYLE   | SUBTRACTOR<br>(SEE NOTE 2) | DCV    |
| -78SPX  | 15.7 [0.62]                | 1000   |
| -79SPX  | 8.6 [0.34]                 | 1000   |
| -79RPX  | 5.3 [0.21]                 | 1000   |
| -SING   | 0.0 [0.00]                 | 1000   |
| -XXXXXX | 0.0 [0.00]                 | 1000   |
| -H4SPX  | 13.3 [0.52]                | 1000   |

| TABLE 2: FINAL ASSEMBLY LENGTH TOLERANCE |                        |
|--|------------------------|
| LENGTH                                   | TOLERANCE              |
| 0300-0500 [7.87-19.69]                   | +5.0 [.20]/-0.0 [.00]  |
| 0500-1100 [19.69-43.30]                  | +10.0 [.40]/-0.0 [.00] |


CABLE CALLOUT  
B: CCA-1855A (BELDEN 1855A CABLE)END 1 CONNECTOR  
-78SP: DIN7A-PP-C-XX-ST-CA8 (SEE SHEET 2)  
-79SP: MBNC7-P-C-XX-ST-CA8 (SEE SHEET 2, SEE NOTE 18)  
-79RP: MBNC7-P-C-XX-RA-CA8 (SEE SHEET 2, SEE NOTE 18)  
-H4SP: HDBNC-P-C-XX-ST-CA8 (SEE SHEET 2)END 1 PLATING OPTION  
2: ALTERNATE GOLD / NICKEL  
3: ALTERNATE GOLD / NICKEL  
4: GOLD / NICKEL COMBINATION  
5: GOLD / NICKEL COMBINATION  
6: GOLD / NICKEL COMBINATION  
8: ALTERNATE HEAVY GOLD / GOLD FLASH / NICKEL  
(SEE SHEET 2 FOR PLATING SPECIFICS)OVERALL CABLE LENGTH  
MILLIMETERS OF CABLE  
0300 MIN. (SEE NOTE 8 & 9)END 2 PLATING OPTION  
2: ALTERNATE GOLD / NICKEL  
3: ALTERNATE GOLD / NICKEL  
4: GOLD / NICKEL COMBINATION  
5: GOLD / NICKEL COMBINATION  
6: GOLD / NICKEL COMBINATION  
8: ALTERNATE HEAVY GOLD / GOLD FLASH / NICKEL  
(SEE SHEET 2 FOR PLATING SPECIFICS)  
(LEAVE BLANK FOR -SING OR -XXXXXX  
END 2 PREPARATION)END 2 CONNECTOR OR PREPARATION  
-78SP: DIN7A-PP-C-XX-ST-CA8 (SEE SHEET 2)  
-79SP: MBNC7-P-C-XX-ST-CA8 (SEE SHEET 2, SEE NOTE 18)  
-79RP: MBNC7-P-C-XX-RA-CA8 (SEE SHEET 2, SEE NOTE 18)  
-H4SP: HDBNC-P-C-XX-ST-CA8 (SEE SHEET 2)  
-SING: SINGLE ENDED (ONE END ONLY, SEE NOTE 11)  
-XXXXXX: STRIPPED AND TINNED (ONE 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 mmDO NOT LEAVE ANY SPACE BLANK,  
EACH MUST CONTAIN A  
NUMERIC CHARACTER 0 THRU 9.

## NOTES:

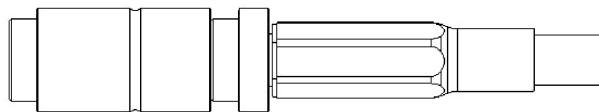
1. Ⓢ REPRESENTS A CRITICAL DIMENSION
2. CABLE CUT LENGTH:  
= (LENGTH: XXXX) - (SUBTRACTOR FOR END 1) - (SUBTRACTOR FOR END 2) + 12.0 MM\*  
(SEE TABLE 1 FOR SUBTRACTORS)  
(\* = ONLY APPLICABLE IF USING A SEMI-AUTOMATED COAXIAL CABLE STRIPPER TO PROVIDE A CLEAN CUT EDGE)
3. ASSEMBLY TO BE 100% TESTED 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 TEST, 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-RF-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. S.I. TEST DATA IS PUBLISHED FOR LENGTHS OF 300MM AND 1000MM. TESTING OF OTHER SPECIFIC LENGTHS IS BY REQUEST.
10. MINIMUM BEND RADIUS FOR BELDEN 1855A = 38.1[1.5]
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 STRIP AND TIN OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.
17. CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.
18. AVAILABLE TO EXISTING CUSTOMERS ONLY

FIG 1  
RFB8T-78SPX-79SPX-XXXX SHOWNCABLE STRIPPING DIMENSIONS  
PER END 1 AND END 2 ASSEMBLY PRINTS  
OR STRIPPED AND TINNED  
(SEE NOTES 11-15, SHEET 2, FIG 3)

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|   |  |  |              |
|---|--|--|--------------|
| UNLESS OTHERWISE SPECIFIED,<br>DIMENSIONS ARE IN<br>MILLIMETERS [INCHES].<br>TOLERANCES ARE:<br><br>DECIMALS      ANGLES<br>.X: ±0.3 [.01]      2°<br>.XX: ±0.13 [.005]<br>.XXX: ±0.051 [.0020] | <u>PROPRIETARY NOTE</u><br><br>THIS DOCUMENT CONTAINS INFORMATION<br>CONFIDENTIAL AND PROPRIETARY TO<br>SAMTEC, INC. AND SHALL NOT BE REPRODUCED<br>OR TRANSFERRED TO OTHER DOCUMENTS OR<br>DISCLOSED TO OTHERS OR USED FOR ANY<br>PURPOSE OTHER THAN THAT WHICH IT WAS<br>OBTAINED WITHOUT THE EXPRESSED WRITTEN<br>CONSENT OF SAMTEC, INC. | <br>520 PARK EAST BLVD, NEW ALBANY, IN 47150<br>PHONE: 812-944-6733    FAX: 812-948-5047<br>e-Mail: info@SAMTEC.com    code 55322 |              |
|   |  | MATERIAL:      DO NOT SCALE DRAWING      SHEET SCALE: 2:1<br>SEE END 1 AND END 2 ASSEMBLY PRINTS   |              |
|   |  | DESCRIPTION:<br><br>TRUE 75 OHM, RF8T CABLE ASSEMBLY   |              |
|   |  | DWG. NO.<br><br>RFB8T-XXXXX-XXXXXX-XXXX  |              |
|   |  | BY: J. BROWNING    05/13/2010  | SHEET 1 OF 2 |

REVISION J

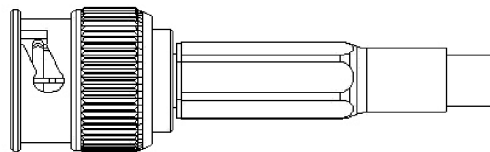
**-78SP**  
(STRAIGHT PLUG)(USE DRAWING No. DIN7A-PP-C-XX-ST-CA8  
FOR ASSEMBLY INSTRUCTIONS)

## PLATING

- 4: 10μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: DIN7A-PP-C-GF-ST-CA8)
- 5: 10μ" MIN. GOLD CENTER CONTACT  
10μ" MIN. GOLD OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: DIN7A-PP-C-GG-ST-CA8)
- 6: 30μ" MIN. GOLD CENTER CONTACT  
30μ" MIN. GOLD OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: DIN7A-PP-C-HH-ST-CA8)
- 8: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: DIN7A-PP-C-HF-ST-CA8)

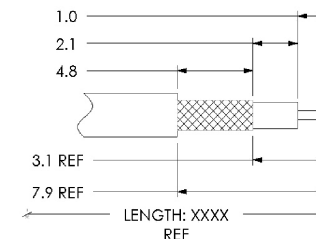
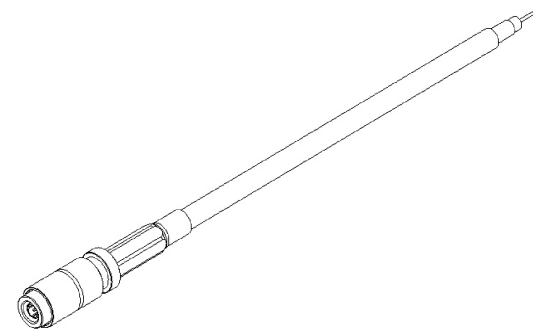
NOTE: ALL CRITICAL DIMENSIONS ON DIN7A-PP-C-XX-ST-CA8  
THAT APPLY MUST BE VERIFIED.**-79SP**  
(STRAIGHT PLUG)(USE DRAWING No. MBNC7-P-C-XX-ST-CA8  
FOR ASSEMBLY INSTRUCTIONS)

## AVAILABLE TO EXISTING CUSTOMERS ONLY

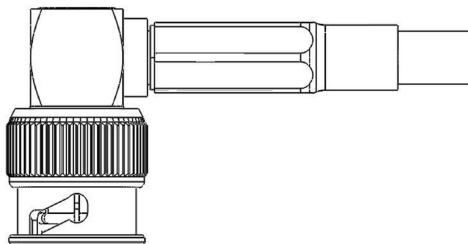


## PLATING

- 2: 30μ" MIN. GOLD CENTER CONTACT  
100μ" MIN. NICKEL OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MBNC7-P-C-HN-ST-CA8)
- 3: 10μ" MIN. GOLD CENTER CONTACT  
100μ" MIN. NICKEL OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MBNC7-P-C-GN-ST-CA8)

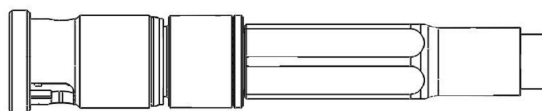
NOTE: ALL CRITICAL DIMENSIONS ON MBNC7-P-C-XX-ST-CA8  
THAT APPLY MUST BE VERIFIED.FIG 3  
RFB8T-78SPX-102T48-XXXX SHOWN  
(SEE NOTE 11)**-79RP**  
(RIGHT ANGLE PLUG)(USE DRAWING No. MBNC7-P-C-XX-RA-CA8  
FOR ASSEMBLY INSTRUCTIONS)

## AVAILABLE TO EXISTING CUSTOMERS ONLY



## PLATING

- 2: 30μ" MIN. GOLD CENTER CONTACT  
100μ" MIN. NICKEL OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MBNC7-P-C-HN-RA-CA8)
- 3: 10μ" MIN. GOLD CENTER CONTACT  
100μ" MIN. NICKEL OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MBNC7-P-C-GN-RA-CA8)

NOTE: ALL CRITICAL DIMENSIONS ON MBNC7-P-C-XX-RA-CA8  
THAT APPLY MUST BE VERIFIED.**-H4SP**  
(STRAIGHT PLUG)(USE DRAWING No. HDBNC-P-C-XX-ST-CA8  
FOR ASSEMBLY INSTRUCTIONS)

## PLATING

- 2: 30μ" MIN. GOLD CENTER CONTACT  
100μ" MIN. NICKEL OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: HDBNC-P-C-HN-ST-CA8)
- 3: 10μ" MIN. GOLD CENTER CONTACT  
100μ" MIN. NICKEL OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: HDBNC-P-C-GN-ST-CA8)
- 4: 10μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: HDBNC-P-C-GF-ST-CA8)
- 8: 30μ" MIN. GOLD CENTER CONTACT  
3μ" MIN. GOLD OUTER CONTACT  
100μ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: HDBNC-P-C-HF-ST-CA8)

NOTE: ALL CRITICAL DIMENSIONS ON HDBNC-P-C-XX-ST-CA8  
THAT APPLY MUST BE VERIFIED.

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e-Mail: info@SAMTEC.com code 55322

## DESCRIPTION:

TRUE 75 OHM, RF8T CABLE ASSEMBLY

## DWG. NO.

RFB8T-XXXXX-XXXXXX-XXXX

BY: J. BROWNING 05/13/2010 SHEET 2 OF 2