

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

**DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]**

DO NOT
SCALE FROM
THIS PRINT

RFX6T-XXXXX-XXXXXX-XXXX

CABLE CALLOUT
A6T: RG-6 CABLE (CCA-6)
B6T: BELDEN 1694A CABLE (CCA-1694A)

END 1 CONNECTOR
(SEE TABLE 3, SHT 2)

END 2 CONNECTOR OR PREPARATION
(SEE TABLE 3, SHT 2)

OVERALL ASSEMBLY LENGTH (OAL)
XXXX (MILLIMETERS) (0300 MIN)
(SEE NOTE 8)

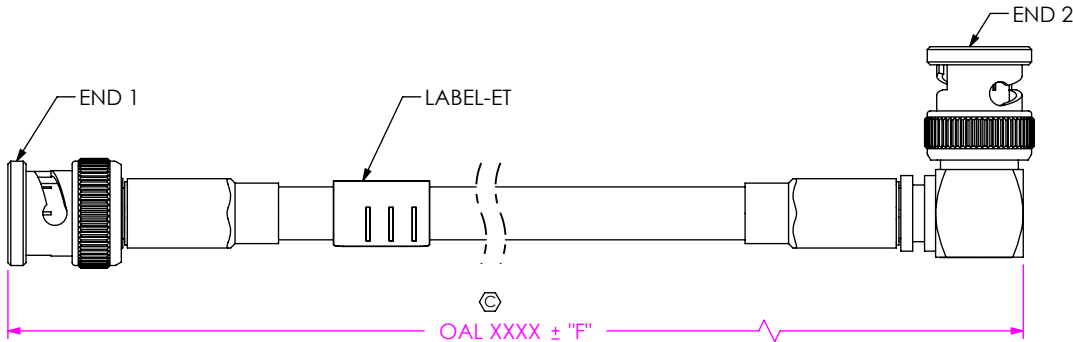


FIG 1
RFX6T-74SPX-74RPX-XXXX SHOWN

TABLE 2	
LENGTH	"F"
0300-0500 [11.81-19.69]	+5.0 [.20]/-0.0 [.00]
0501-1100 [19.72-43.31]	+10.0 [.40]/-0.0 [.00]
>1100 [43.31]	± 1%

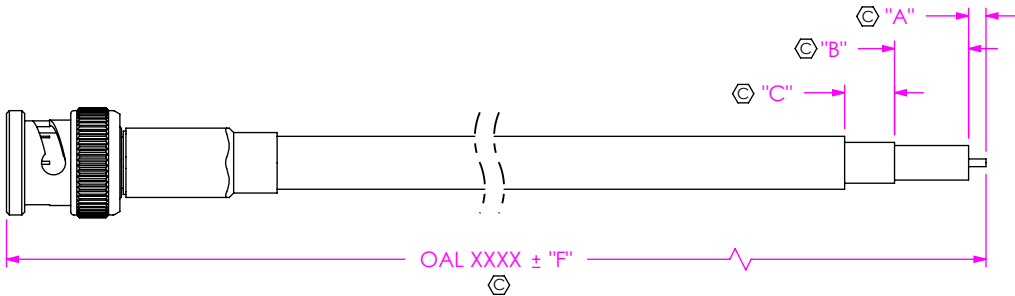


FIG 2
RFX6T-74SPX-172849-XXXX SHOWN (SEE NOTES 5 & 7)

"C" FORMAT: X.X mm
"B" FORMAT: X.X mm
"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. ASSEMBLY TO BE 100% TESTED FOR OPENS, SHORTS & HI-POT TESTED (PER TABLE 1, AC OR DC), THE HI-POT VOLTAGE FOR THE ASSEMBLY SHOULD BE SET TO THE END OPTION WITH THE LOWEST TEST VOLTAGE RATING.
3. AFTER FINAL ELECTRICAL TEST, LABEL EACH CABLE ASSEMBLY WITH 1 LABEL-ET.
4. 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.
5. DIM "A", "B", AND "C" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm.
6. CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.
7. FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.
8. CABLE LENGTHS LONGER THAN 1000 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA.

F:\DWG\MISC\MKTG\RFX6T-XXXXX-XXXXXX-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 SHEET SCALE: 2:1
DIELECTRIC: PTFE
GASKET: SILICONE
SPRING: STAINLESS STEEL
ALL OTHER: BRASS

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:
TRUE 75 OHM, RF6T CABLE ASSEMBLY

DWG. NO.
RFX6T-XXXXX-XXXXXX-XXXX

BY: R MUSSER 03/27/2009 SHEET 1 OF 8

TABLE 3							
END 2 OPTION	SERIES	GENDER	CONFIGURATION	PLATING			FIGURE
				CENTER CONTACT	OUTER CONTACT	OTHER COMPONENTS	
-74RP3	75 OHM BNC	PLUG	RIGHT ANGLE	10μ" GOLD	100μ" NICKEL	100μ" NICKEL	SHT 3, FIG 3
-74SP3	75 OHM BNC	PLUG	STRAIGHT	10μ" GOLD	100μ" NICKEL	100μ" NICKEL	SHT 3, FIG 4
-H4SP2	75 OHM HIGH DENSITY BNC	PLUG	STRAIGHT	30μ" GOLD	100μ" NICKEL	100μ" NICKEL	SHT 4, FIG 5
-H4SP3	75 OHM HIGH DENSITY BNC	PLUG	STRAIGHT	10μ" GOLD	100μ" NICKEL	100μ" NICKEL	
-H4SP4	75 OHM HIGH DENSITY BNC	PLUG	STRAIGHT	10μ" GOLD	3μ" GOLD	100μ" NICKEL	
-H4SP8	75 OHM HIGH DENSITY BNC	PLUG	STRAIGHT	30μ" GOLD	3μ" GOLD	100μ" NICKEL	
-D4SP3	75 OHM BNC (DIE CAST)	PLUG	STRAIGHT	10μ" GOLD	100μ" NICKEL	100μ" NICKEL	SHT 4, FIG 6
-78SP4	75 OHM DIN 1.0/2.3	PLUG	STRAIGHT	10μ" GOLD	3μ" GOLD	100μ" NICKEL	SHT 5, FIG 7
-78SP5	75 OHM DIN 1.0/2.3	PLUG	STRAIGHT	10μ" GOLD	10μ" GOLD	100μ" NICKEL	
-78SP6	75 OHM DIN 1.0/2.3	PLUG	STRAIGHT	30μ" GOLD	30μ" GOLD	100μ" NICKEL	
** -79SP2	75 OHM MINI BNC	PLUG	STRAIGHT	30μ" GOLD	100μ" NICKEL	100μ" NICKEL	SHT 5, FIG 8
** -79SP3	75 OHM MINI BNC	PLUG	STRAIGHT	10μ" GOLD	100μ" NICKEL	100μ" NICKEL	
** -79RP2	75 OHM MINI BNC	PLUG	RIGHT ANGLE	30μ" GOLD	100μ" NICKEL	100μ" NICKEL	SHT 6, FIG 9
** -79RP3	75 OHM MINI BNC	PLUG	RIGHT ANGLE	10μ" GOLD	100μ" NICKEL	100μ" NICKEL	
* -SING	SINGLE ENDED	-	-	-	-	-	-
* -XXXXXX	STRIPPED & TINNED	-	-	-	-	-	SHT 1, FIG 2

* = END OPTION ONLY
** = FOR EXISTING CUSTOMERS ONLY

TABLE 1							
END OPTION	SUBTRACTOR	STRIP DIMENSIONS				HI POT	
		"Y"	"A"	"D"	"E"	"DC"	"AC"
-74RP3	4.7 [0.19]	2.3 [0.09]	12.1 [0.48]	18.7 [0.74]	1000	300	
-74SP3	10.3 [0.41]	3.2 [0.13]	5.4 [0.21]	11.9 [0.47]	1000	300	
-H4SP2	13.4 [0.53]	2.7 [0.11]	4.2 [0.17]	11.0 [0.43]	1000	300	
-H4SP3							
-H4SP4							
-H4SP8							
-D4SP3	10.3 [0.41]	3.2 [0.13]	5.4 [0.21]	11.9 [0.47]	1000	300	
-78SP4	15.7 [0.62]	2.9 [0.11]	5.0 [0.20]	12.3 [0.48]	1000	300	
-78SP5							
-78SP6							
** -79SP2	8.7 [0.34]	2.0 [0.08]	2.6 [0.10]	8.6 [0.34]	1000	300	
** -79SP3							
** -79RP2	3.0 [0.12]	1.7 [0.07]	7.1 [0.28]	13.7 [0.54]	1000	300	
** -79RP3							
* -SING	0.0 [0.00]	-	-	-	1000	N/A	
* -XXXXXX	0.0 [0.00]	"A"	"A" + "B"	"A" + "B" + "C"	1000	N/A	

* = END 2 OPTION ONLY
** = FOR EXISTING CUSTOMERS ONLY


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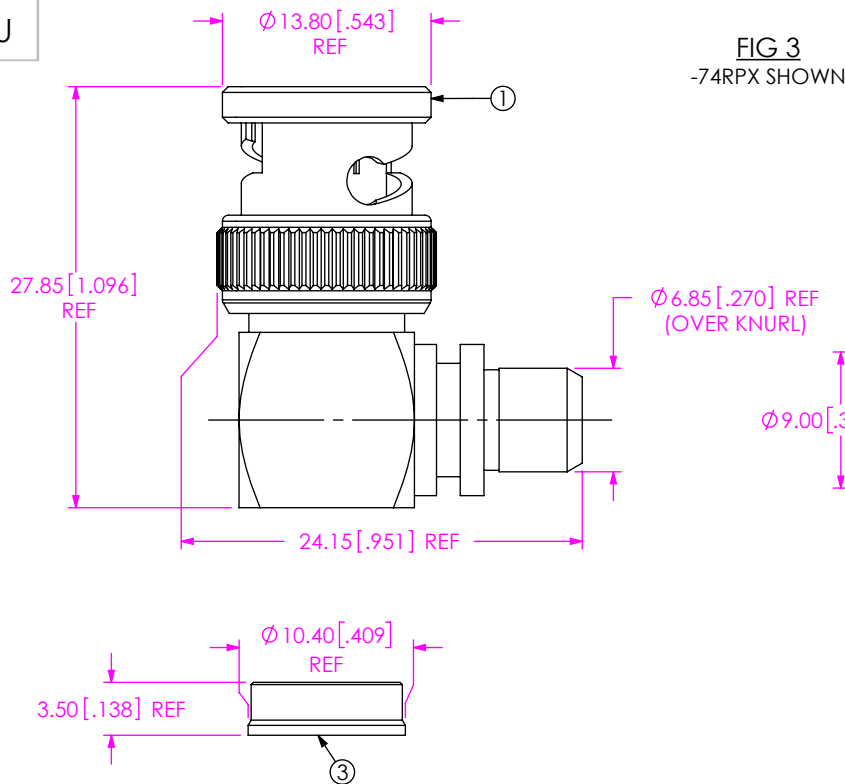


520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
TRUE 75 OHM, RF6T CABLE ASSEMBLY

DWG. NO.
RFX6T-XXXXXX-XXXXXX-XXXX

BY: R MUSSER 03/27/2009 SHEET 2 OF 8



BOM		
ITEM	COMPONENT	-74RP3
1	SUB ASSEMBLY	SUB-BNC7T-P-C-GN-RA-CA6
2	FERRULE	BNC-FER-001-N
3	CAP	BNC7T-P-C-N-RA-CA6-CAP
4	HEAT SHRINK	HST-0.500-02-BLK

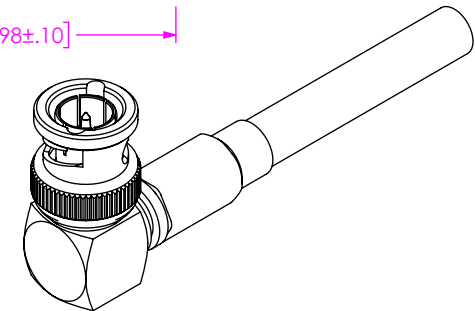
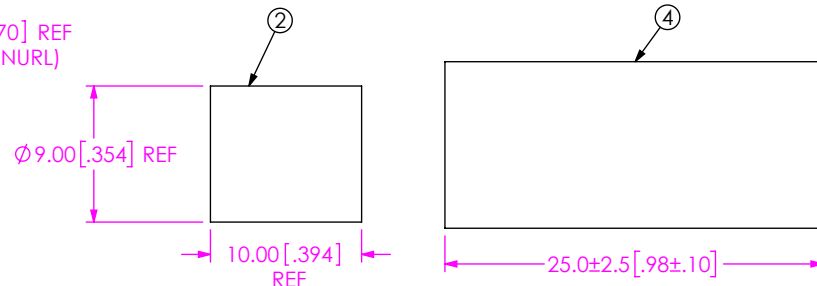
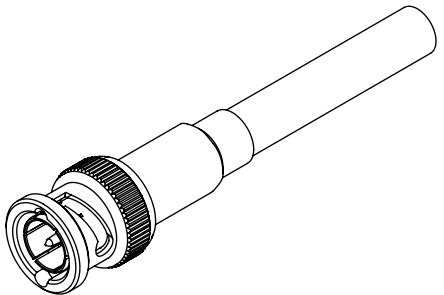
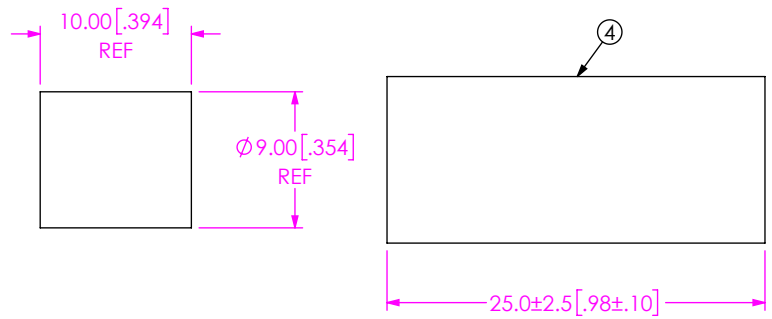
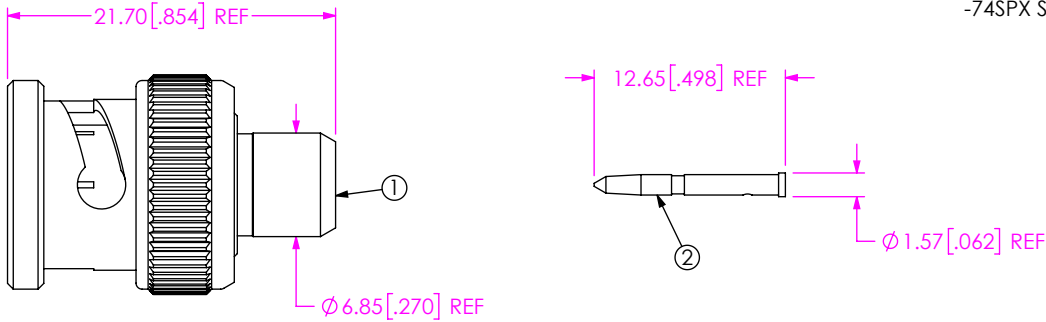


FIG 4
-74SPX SHOWN



BOM		
ITEM	COMPONENT	-74SP3
1	SUB-ASSEMBLY	SUB-BNC7T-P-C-N-ST-CA6
2	PIN	BNC7T-P-C-G-ST-CA6-PIN
3	FERRULE	BNC-FER-001-N
4	HEAT SHRINK	HST-0.500-02-BLK

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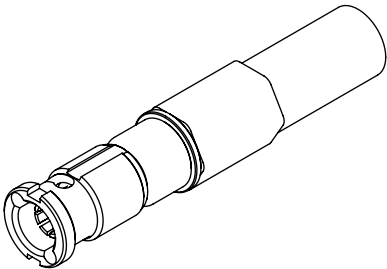
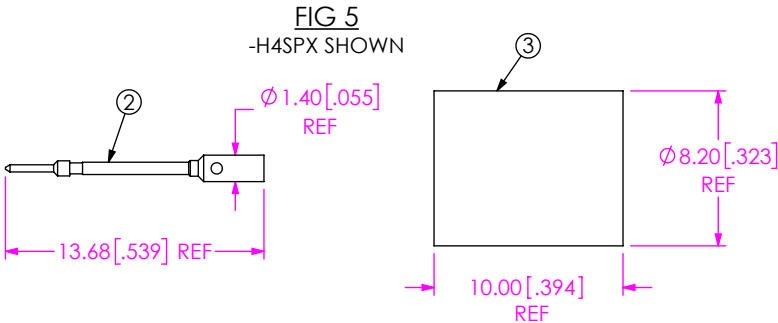
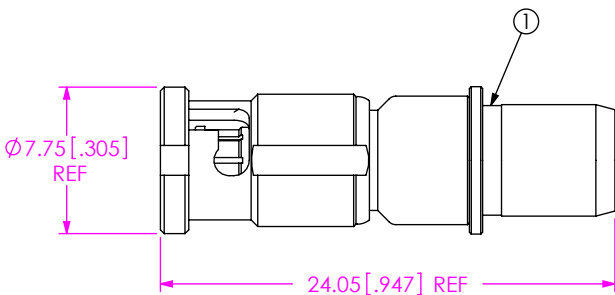


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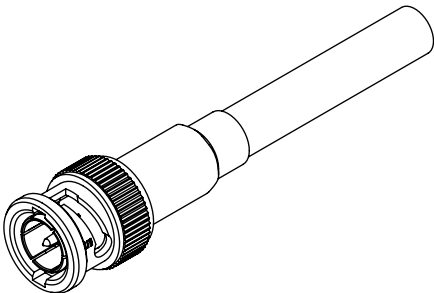
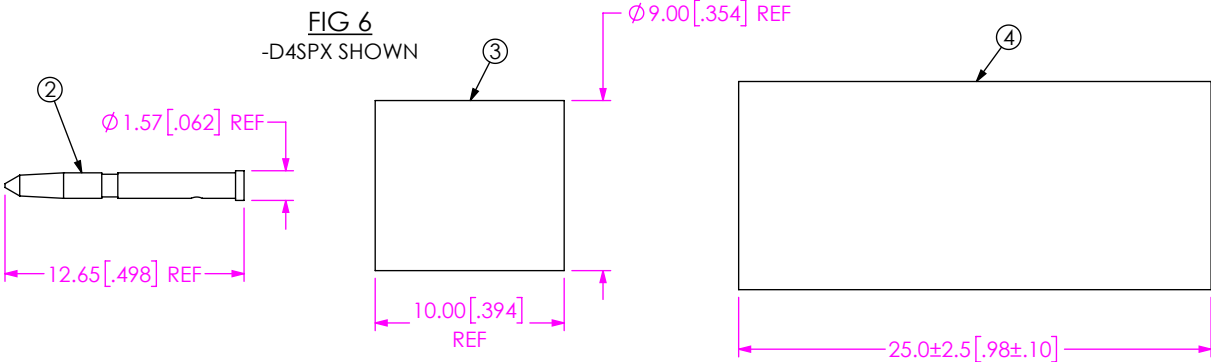
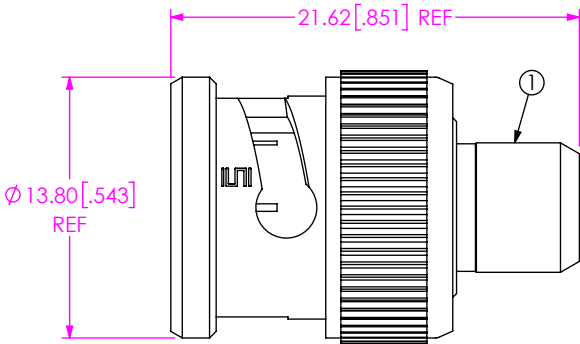
DESCRIPTION:
TRUE 75 OHM, RF6T CABLE ASSEMBLY

DWG. NO.
RF6T-XXXX-XXXX-XXXX

BY: R MUSSER 03/27/2009 SHEET 3 OF 8



BOM					
ITEM	COMPONENT	-H4SP2	-H4SP3	-H4SP4	-H4SP8
1	SUB ASSEMBLY	SUB-HDBNC-P-C-NN-ST-CA6	SUB-HDBNC-P-C-NN-ST-CA6	SUB-HDBNC-P-C-FN-ST-CA6	SUB-HDBNC-P-C-FN-ST-CA6
2	PIN	HDBNC-P-C-H-ST-CA6-PIN	HDBNC-P-C-G-ST-CA6-PIN	HDBNC-P-C-G-ST-CA6-PIN	HDBNC-P-C-H-ST-CA6-PIN
3	FERRULE	HDBNC-FER-001-N			



BOM		
ITEM	COMPONENT	-D4SP3
1	SUB-ASSEMBLY	SUB-BNC7T-P-C-N-ST-CA6D
2	PIN	BNC7T-P-C-G-ST-CA6-PIN
3	FERRULE	BNC-FER-001-N
4	HEAT SHRINK	HST-0.500-02-BLK

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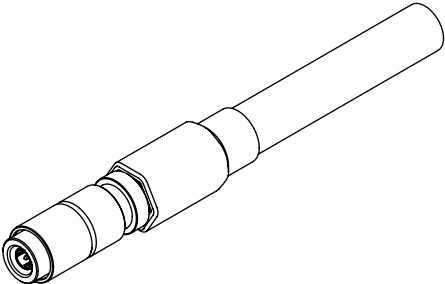
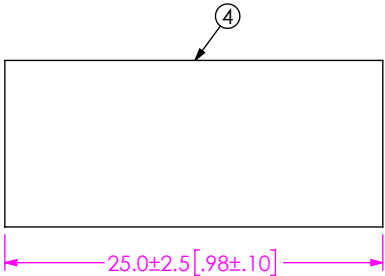
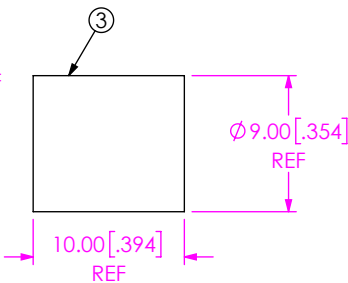
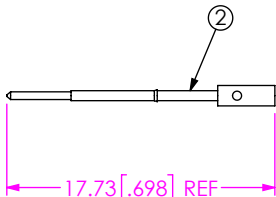
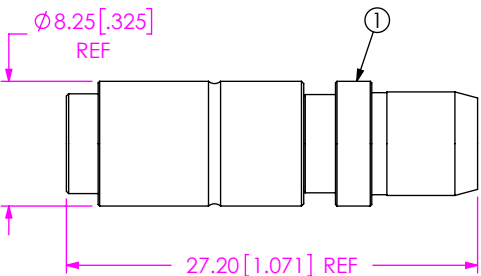
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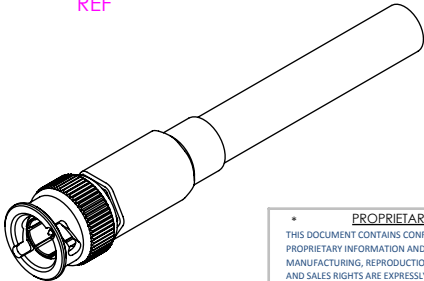
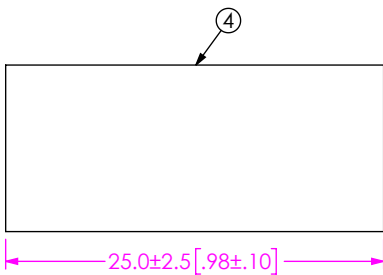
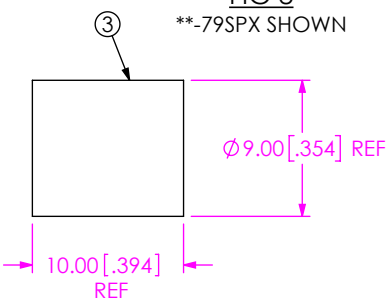
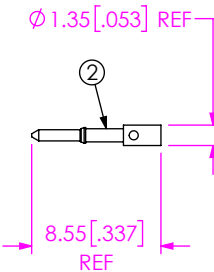
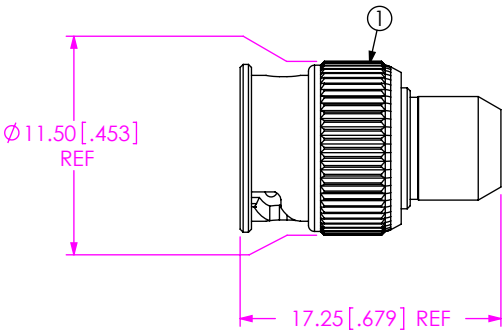
DESCRIPTION:
TRUE 75 OHM, RF6T CABLE ASSEMBLY

DWG. NO.
RFX6T-XXXXXX-XXXXXX-XXXX

BY:R MUSSER 03/27/2009 SHEET 4 OF 8



BOM				
ITEM	COMPONENT	-78SP4	-78SP5	-78SP6
1	SUB ASSEMBLY	SUB-DIN7A-PP-C-FN-ST-CA6	SUB-DIN7A-PP-C-GN-ST-CA6	SUB-DIN7A-PP-C-HN-ST-CA6
2	PIN	DIN7A-P-C-G-ST-CA6-PIN	DIN7A-P-C-G-ST-CA6-PIN	DIN7A-P-C-H-ST-CA6-PIN
3	FERRULE	BNC-FER-001-N		
4	HEAT SHRINK	HST-0.500-02-BLK		



BOM			
ITEM	COMPONENT	**79SP2	**79SP3
1	SUB ASSEMBLY	SUB-MBNC7-P-C-N-ST-CA6	
2	PIN	MBNC7-P-C-H-ST-CA6-PIN	MBNC7-P-C-G-ST-CA6-PIN
3	FERRULE	BNC-FER-001-N	
4	HEAT SHRINK	HST-0.500-02-BLK	

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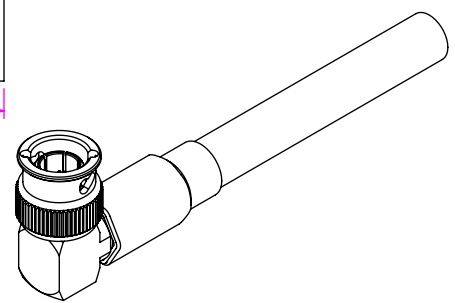
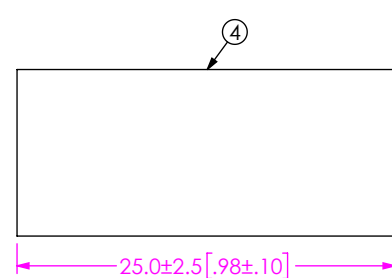
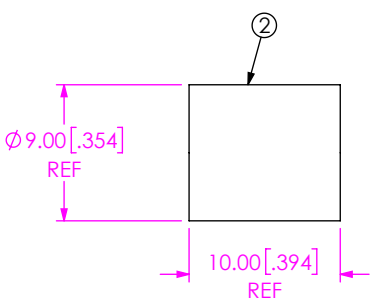
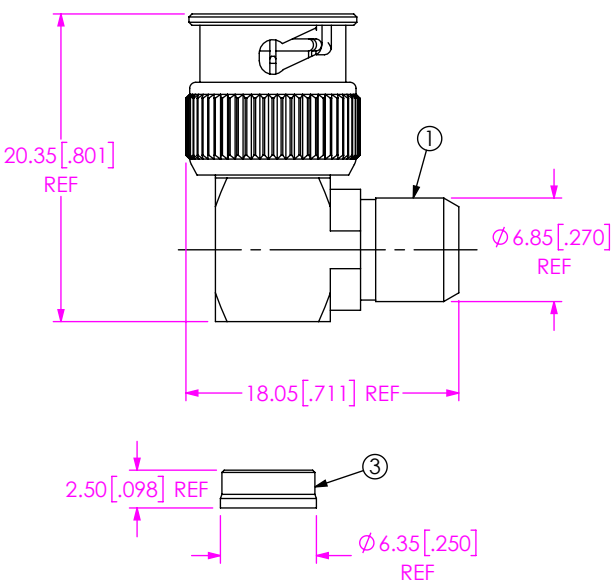
SHEET SCALE: 2:1

DESCRIPTION:
TRUE 75 OHM, RF6T CABLE ASSEMBLY

DWG. NO.
RF6T-XXXXX-XXXXXX-XXXX

BY: R MUSSER 03/27/2009 SHEET 5 OF 8

FIG 9
**-79RPX SHOWN



BOM			
ITEM	COMPONENT	** -79RP2	** -79RP3
1	SUB ASSEMBLY	SUB-MBNC7-P-C-HN-RA-CA6	SUB-MBNC7-P-C-GN-RA-CA6
2	FERRULE	BNC-FER-001-N	
3	CAP	MBNC7-P-C-N-RA-CAP	
4	HEAT SHRINK	HST-0.500-02-BLK	

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e-Mail info@SAMTEC.com code 55322

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SHEET SCALE: 2:1

DESCRIPTION:
TRUE 75 OHM, RF6T CABLE ASSEMBLY

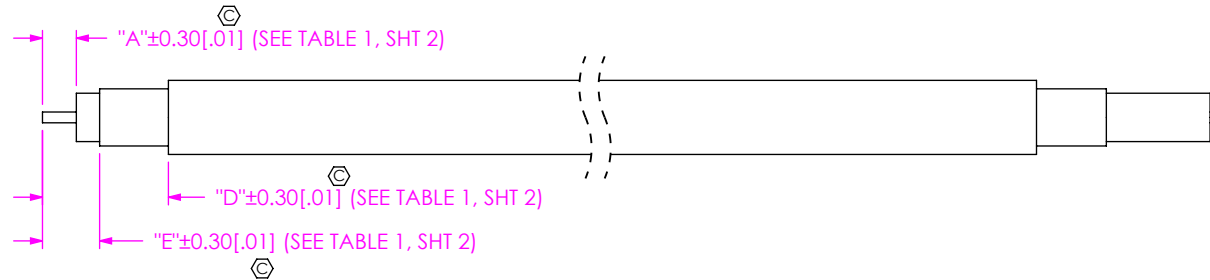
DWG. NO.
RFX6T-XXXXXX-XXXXXX-XXXX

BY: R MUSSER 03/27/2009 SHEET 6 OF 8

IN PROCESS 1
CUT CABLE TO LENGTH

NOTE: "Z" = 2*OAL - 2*"Y"(END 1)] (FOR -SING OR -XXXXXX OPTIONS)
"Z" = OAL - "Y"(END 1) - "Y"(END 2) (FOR DOUBLE ENDED OPTIONS)

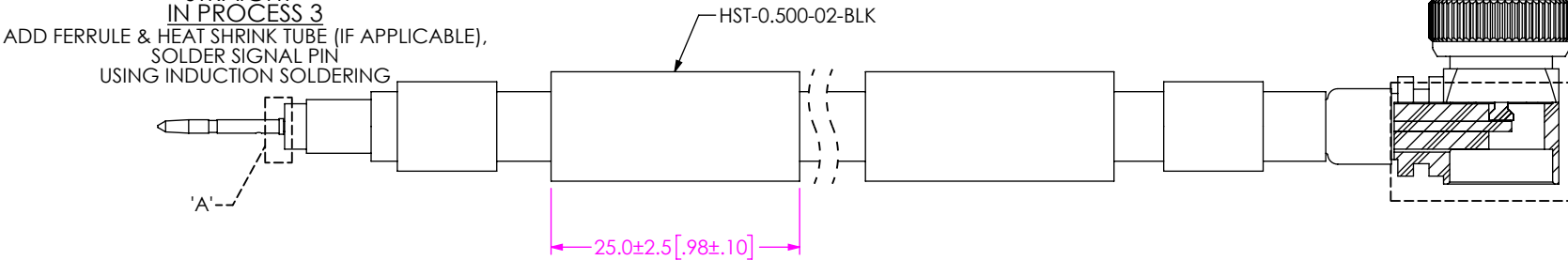
TABLE	
CABLE CALLOUT	PART NUMBER
RFA6T	CCA-6
RFB6T	CCA-1694A



IN PROCESS 2
STRIP AND TIN INNER CONDUCTOR

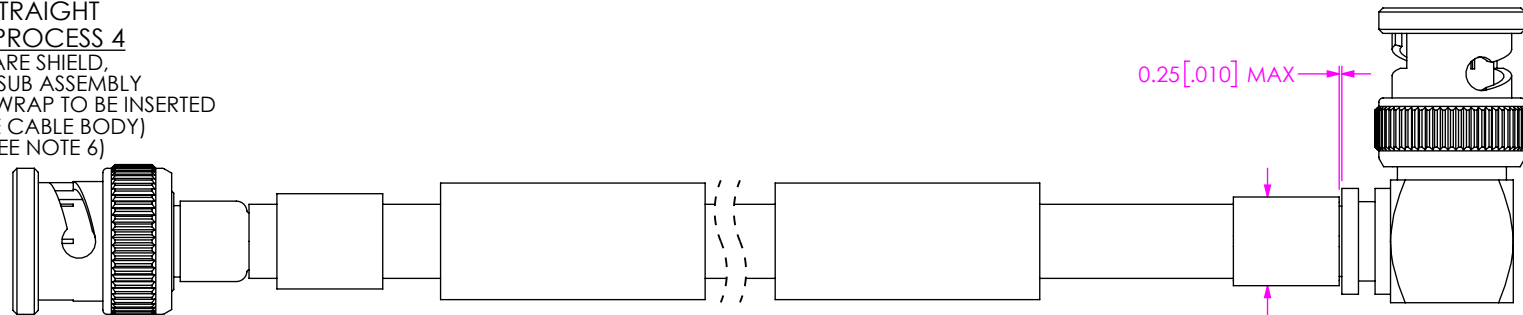
STRAIGHT
IN PROCESS 3
ADD FERRULE & HEAT SHRINK TUBE (IF APPLICABLE),
SOLDER SIGNAL PIN
USING INDUCTION SOLDERING

RIGHT ANGLE
IN PROCESS 3
ADD FERRULE & HEAT SHRINK TUBE,
FLARE SHIELD, ADD SUB ASSEMBLY
(CABLE FOIL WRAP TO BE INSERTED
INSIDE CABLE BODY)
(SEE NOTE 6)



STRAIGHT
IN PROCESS 4
FLARE SHIELD,
ADD SUB ASSEMBLY
(CABLE FOIL WRAP TO BE INSERTED
INSIDE CABLE BODY)
(SEE NOTE 6)

RIGHT ANGLE
IN-PROCESS 4
CRIMP FERRULE &
SOLDER SIGNAL PIN



0.10[.004] MAX

CABLE CENTER CONDUCTOR
SHOULD NOT PROTRUDE
OUTSIDE CONTACT CUP

END OF CABLE DIELECTRIC
SHOULD SEAT AGAINST
CONTACT CUP

DETAIL 'A'
SCALE 3 : 1

DETAIL 'B'
SCALE 2.5 : 1

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SHEET SCALE: 1:4:1

DESCRIPTION:
TRUE 75 OHM, RF6T CABLE ASSEMBLY

DWG. NO.
RFX6T-XXXXXX-XXXXXX-XXXX

BY: R MUSSER 03/27/2009 SHEET 7 OF 8

STRAIGHT
IN-PROCESS 5
CRIMP FERRULE

STRAIGHT
IN PROCESS 6
ACTIVATE HEAT SHRINK
(IF APPLICABLE)

RIGHT ANGLE
IN-PROCESS 5
INSERT CAP

RIGHT ANGLE
IN-PROCESS 6
ACTIVATE HEAT SHRINK

0.25[.010] MAX

8.38[.330] (2 PLCS)
(-H4SPX TO BE 7.25[.285])

0.6[.02] MAX

0.6[.02] MAX

DETAIL 'C'
SCALE 3 : 1

0.00±0.10[.000±.004]

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<p>DO NOT SCALE DRAWING</p> <p>SHEET SCALE: 1:4:1</p>	<p>samtec</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>DESCRIPTION: TRUE 75 OHM, RF6T CABLE ASSEMBLY</p>
	<p>DWG. NO. RFX6T-XXXXX-XXXXXX-XXXX</p> <p>BY: R MUSSER 03/27/2009 SHEET 8 OF 8</p>

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