

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

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CABLE CALLOUT  
179: RG179 CABLE (CCA-179)

OVERALL ASSEMBLY LENGTH (OAL)  
0100-1000

END 1 CONNECTOR  
(SEE TABLE 3, SHEET 2)

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

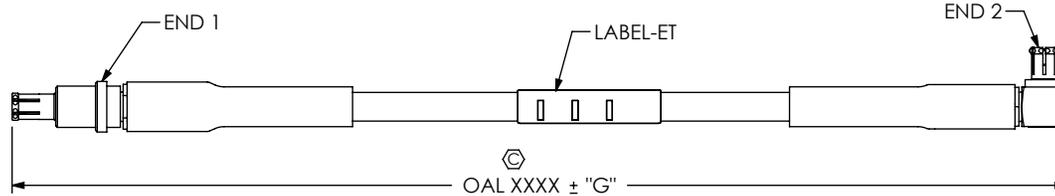


FIG 1  
RF179-73SPX-73RPX-XXXX SHOWN

TABLE 2	
OVERALL LENGTH	"G"
0100-0200 [3.92-7.87]	+3.0 [.12]/-0.0 [.00]
0200-0500 [7.87-19.69]	+5.0 [.20]/-0.0 [.00]
0500-1000 [19.69-39.37]	+10.0 [.40]/-0.0 [.00]

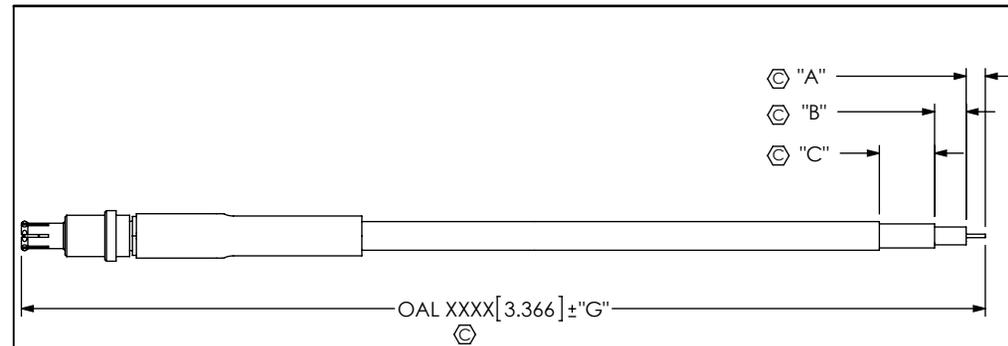


FIG 2  
RF179-73SPX-172849-XXXX SHOWN (SEE NOTE 5 & 7)

"C" (FORMAT: X.X)  
"B" (FORMAT: X.X)  
"A" (FORMAT: X.X)

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 3, AC OR DC), THE HI-POST VOLTAGE FOR THE ASSEMBLY SHOULD BE SET TO THE END OPTION WITH THE LOWEST TEST VOLTAGE RATING.
- AFTER FINAL ELECTRICAL TEST, LABEL EACH CABLE ASSEMBLY WITH 1 LABEL-ET
- CABLE ASSEMBLIES TO BE BULK BAGS. LOCK WASHERS, NUTS, AND/OR GASKETS ARE NOT TO BE ASSEMBLED AND PACKAGED IN SEPARATE BULK BAGS.
- DIM "A", "B", AND "C" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm
- CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.
- FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.

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

**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 2:1  
SHELLS, CONTACTS, FERRULES: BRASS  
DIELECTRIC: PTFE  
GASKETS: SILICONE  
D45PX SHELL: ZINC

DESCRIPTION: RF179 CABLE ASSEMBLY  
DWG. NO. RF179-XXXXX-XXXXXX-XXXX  
BY: B. RAY 1-30-2007 SHEET 1 OF 10

TABLE 1

END OPTION	SUBTRACTOR	STRIP DIMENSIONS			HI POT	
		"Y"	"A"	"D"	"E"	"DC"
-74BJ3	13.4 [0.53]	4.6 [0.18]	8.2 [0.32]	17.9 [0.70]	1000	1200
-74BJ2						
-74SP3	10.3 [0.41]	3.2 [0.13]	5.4 [0.21]	12.1 [0.48]	1000	1200
-D4SP3						
-78SP4	15.7 [0.62]	2.6 [0.10]	5.0 [0.20]	12.3 [0.48]	1000	250
-78SP5						
-78SP6						
-78SP8						
-72RP1						
-72RP2	2.0 [0.08]	1.0 [0.04]	3.1 [0.12]	7.9 [0.31]	1000	500
-72SP1						
-72SP2	7.3 [0.29]	2.0 [0.08]	3.3 [0.13]	8.6 [0.34]	1000	500
** -79RP3						
** -79RP2	5.3 [0.21]	1.1 [0.04]	6.8 [0.27]	13.3 [0.52]	1000	500
** -79SP3						
** -79SP2	8.7 [0.34]	2.5 [0.10]	4.9 [0.19]	10.7 [0.42]	1000	500
-73SJ4						
-73SJ1	4.7 [0.19]	1.7 [0.07]	4.5 [0.18]	9.4 [0.37]	1000	250
-73RP4						
-73RP1	1.7 [0.07]	1.7 [0.07]	3.0 [0.12]	8.0 [0.31]	1000	250
-73SP4						
-73SP1	5.5 [0.22]	1.7 [0.07]	4.5 [0.18]	9.4 [0.37]	1000	250
-77RP1						
-77RP2	2.9 [0.11]	1.9 [0.07]	4.9 [0.19]	10.1 [0.40]	1000	1000
-77SP1						
-77SP2	7.5 [0.30]	2.0 [0.08]	4.2 [0.17]	9.5 [0.37]	1000	1000
*-SING						
*-XXXXXX	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

TABLE 3

END OPTION	SERIES	GENDER	CONFIGURATION	PLATING			FIGURE
				CENTER CONTACT	OUTER CONTACT	OTHER COMPONENTS	
-74BJ3	BNC	JACK	STRAIGHT BULKHEAD	10u" GOLD	100u" NICKEL	100u" NICKEL	SHT 3, FIG 3
-74BJ2	BNC	JACK	STRAIGHT BULKHEAD	30u" GOLD	100u" NICKEL	100u" NICKEL	
-74SP3	BNC	PLUG	STRAIGHT	10u" GOLD	100u" NICKEL	100u" NICKEL	SHT 3, FIG 4
-D4SP3	BNC	PLUG	STRAIGHT DIE CAST	10u" GOLD	100u" NICKEL	100u" NICKEL	
-78SP4	DIN 1.0 / 2.3	PLUG	STRAIGHT	10u" GOLD	3u" GOLD	100u" NICKEL	SHT 4, FIG 5
-78SP5	DIN 1.0 / 2.3	PLUG	STRAIGHT	10u" GOLD	10u" GOLD	100u" NICKEL	
-78SP6	DIN 1.0 / 2.3	PLUG	STRAIGHT	30u" GOLD	30u" GOLD	100u" NICKEL	
-78SP8	DIN 1.0 / 2.3	PLUG	STRAIGHT	30u" GOLD	3u" GOLD	100u" NICKEL	
-72RP1	MCX	PLUG	RIGHT ANGLE	30u" GOLD	3u" GOLD	3u" GOLD	
-72RP2	MCX	PLUG	RIGHT ANGLE	30u" GOLD	3u" GOLD	100u" NICKEL	SHT 4, FIG 6
-72SP1	MCX	PLUG	STRAIGHT	30u" GOLD	3u" GOLD	3u" GOLD	
-72SP2	MCX	PLUG	STRAIGHT	30u" GOLD	3u" GOLD	100u" NICKEL	SHT 5, FIG 7
** -79RP3	MINI BNC	PLUG	RIGHT ANGLE	10u" GOLD	100u" NICKEL	100u" NICKEL	
** -79RP2	MINI BNC	PLUG	RIGHT ANGLE	30u" GOLD	100u" NICKEL	100u" NICKEL	SHT 5, FIG 8
** -79SP3	MINI BNC	PLUG	STRAIGHT	10u" GOLD	100u" NICKEL	100u" NICKEL	
** -79SP2	MINI BNC	PLUG	STRAIGHT	30u" GOLD	100u" NICKEL	100u" NICKEL	SHT 6, FIG 9
-73SJ4	MMCX	JACK	STRAIGHT	10u" GOLD	3u" GOLD	100u" NICKEL	
-73SJ1	MMCX	JACK	STRAIGHT	30u" GOLD	3u" GOLD	3u" GOLD	SHT 6, FIG 10
-73RP4	MMCX	PLUG	RIGHT ANGLE	10u" GOLD	3u" GOLD	100u" NICKEL	
-73RP1	MMCX	PLUG	RIGHT ANGLE	30u" GOLD	3u" GOLD	3u" GOLD	SHT 7, FIG 11
-73SP4	MMCX	PLUG	STRAIGHT	10u" GOLD	3u" GOLD	100u" NICKEL	
-73SP1	MMCX	PLUG	STRAIGHT	30u" GOLD	3u" GOLD	3u" GOLD	SHT 7, FIG 12
-77RP1	SMB	PLUG	RIGHT ANGLE	30u" GOLD	3u" GOLD	3u" GOLD	
-77RP2	SMB	PLUG	RIGHT ANGLE	30u" GOLD	3u" GOLD	100u" NICKEL	SHT 8, FIG 13
-77SP1	SMB	PLUG	STRAIGHT	30u" GOLD	3u" GOLD	3u" GOLD	
-77SP2	SMB	PLUG	STRAIGHT	30u" GOLD	3u" GOLD	100u" NICKEL	SHT 8, FIG 14
*-SING	SINGLE ENDED	-	-	-	-	-	
*-XXXXXX	STRIPPED & TINNED	-	-	-	-	-	SHT 1, FIG 2

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

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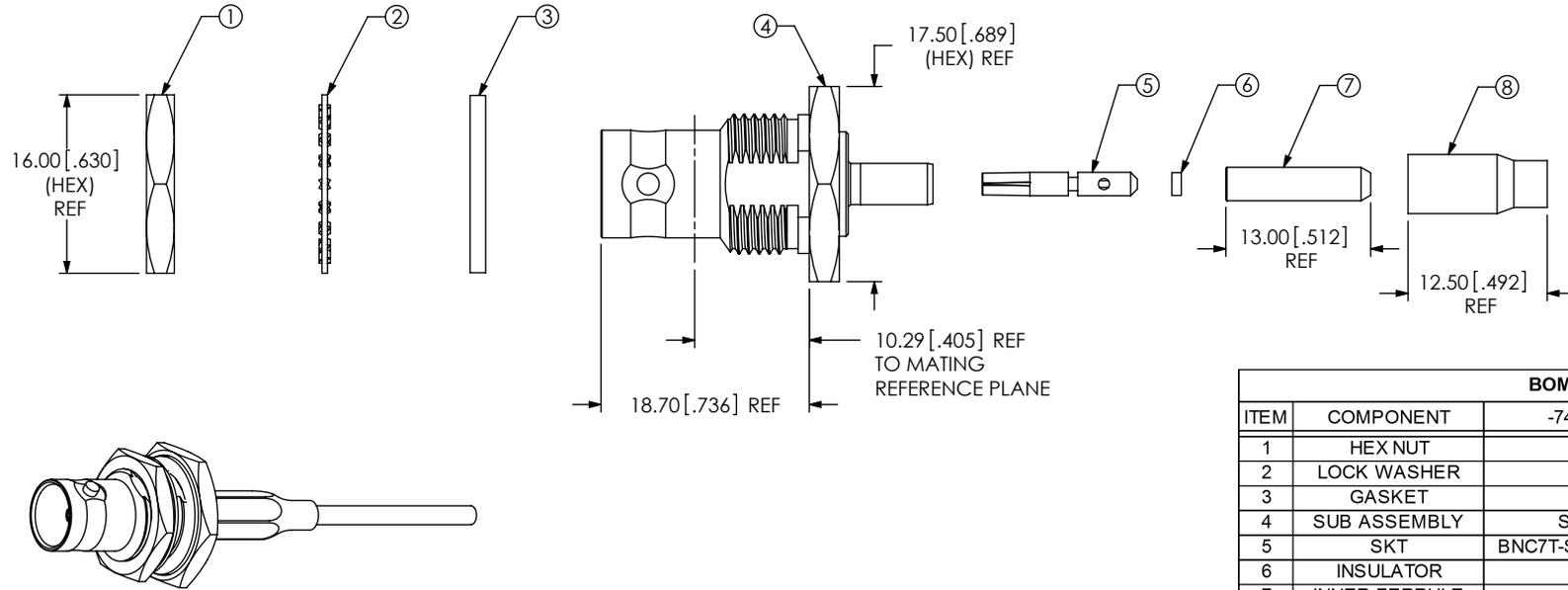
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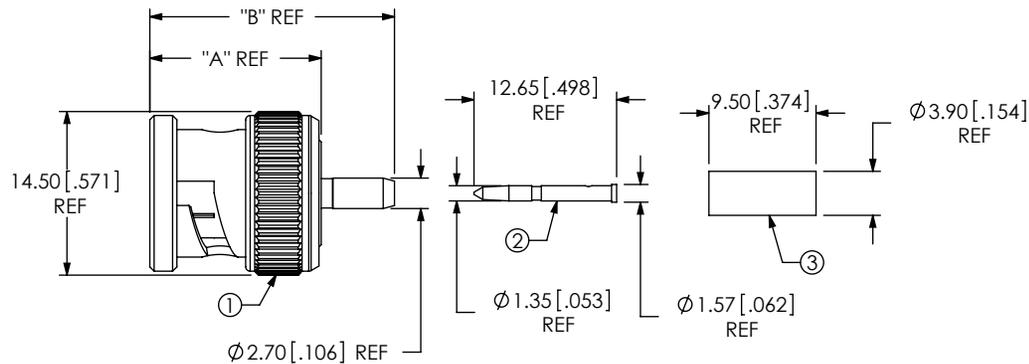
DESCRIPTION:  
 RF179 CABLE ASSEMBLY  
 DWG. NO.  
**RF179-XXXXX-XXXXXX-XXXX**  
 BY: B. RAY 1-30-2007 SHEET 2 OF 10

FIG 3  
-74BJX SHOWN



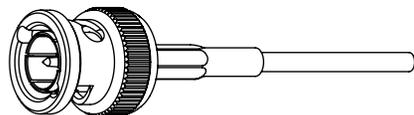
BOM			
ITEM	COMPONENT	-74BJ2	-74BJ3
1	HEX NUT	BTNC-NUT-001-N	
2	LOCK WASHER	BTNC-LWAS-001-N	
3	GASKET	BTNC-GKT-001	
4	SUB ASSEMBLY	SUB-BNC7T-J-C-N-ST-BH3	
5	SKT	BNC7T-SKT-003-H	BNC7T-SKT-003-G
6	INSULATOR	BNC7-INS-001	
7	INNER FERRULE	BTNC-FER-001-N	
8	OUTER FERRULE	BNC-FER-002-N	

FIG 4  
-74SPX / D4SPX SHOWN



BOM 1		
ITEM	COMPONENT	-74SP3 / D4SP3
1	SUB ASSEMBLY	SUB-BNC7T-P-C-N-ST-CA3X (SEE BOM 2)
2	PIN	BNC7T-P-C-G-ST-CA3-PIN
3	FERRULE	SMA-FER-001-N

BOM 2			
OPTION	SUB ASSEMBLY	"A"	"B"
-74SP3	SUB-BNC7T-P-C-N-ST-CA3	15.20 [0.598]	21.70 [0.854]
-D4SP3	SUB-BNC7T-P-C-N-ST-CA3D	15.12 [0.595]	21.62 [0.851]



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RF179 CABLE ASSEMBLY

DWG. NO.  
**RF179-XXXXX-XXXXXX-XXXX**

BY: B. RAY 1-30-2007 SHEET 3 OF 10

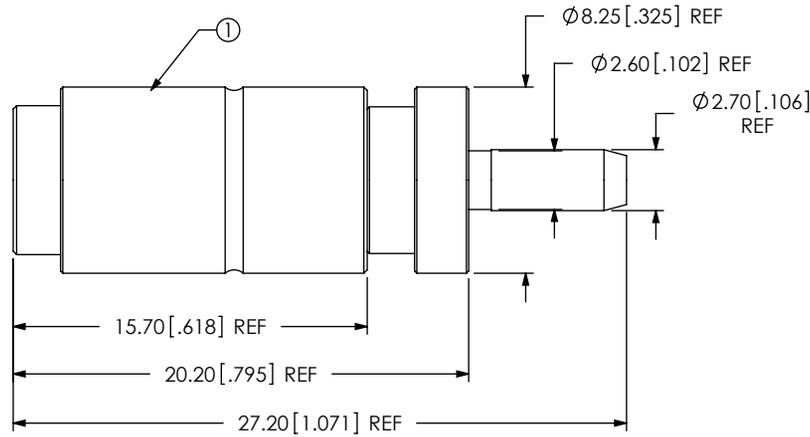
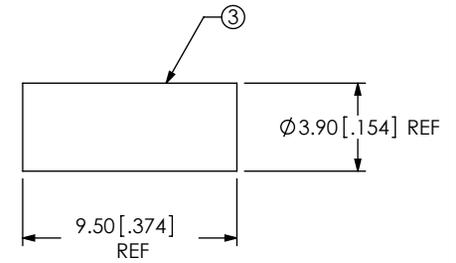
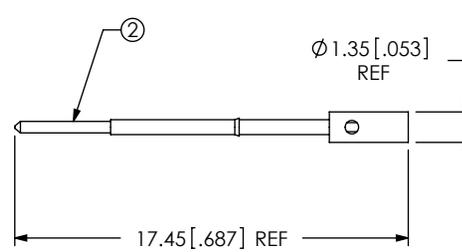


FIG 5  
-78SPX SHOWN



BOM					
ITEM	COMPONENT	-78SP4	-78SP5	-78SP6	-78SP8
1	SUB ASSEMBLY	SUB-DIN7A-PP-C-FN-ST-CA3	SUB-DIN7A-PP-C-GN-ST-CA3	SUB-DIN7A-PP-C-HN-ST-CA3	SUB-DIN7A-PP-C-FN-ST-CA3
2	PIN	DIN7A-P-C-G-ST-CA3-PIN			
3	FERRULE	SMA-FER-001-N			

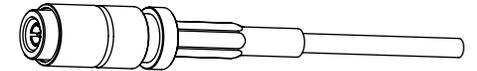
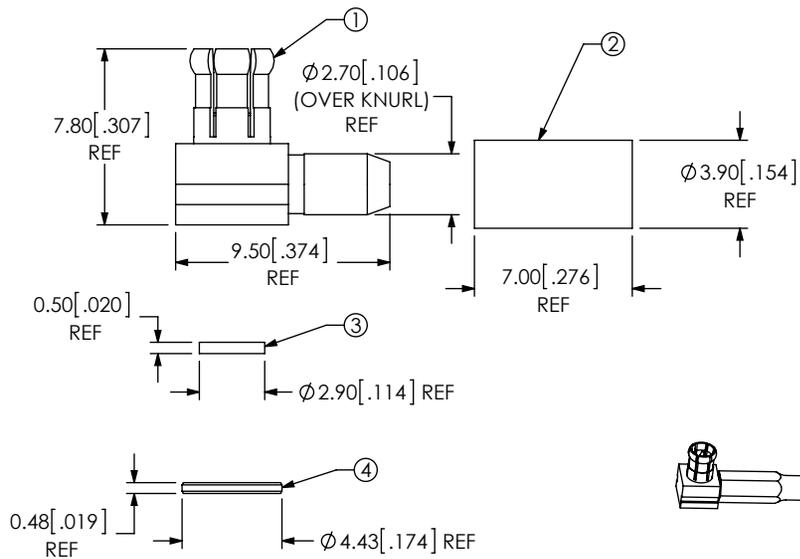
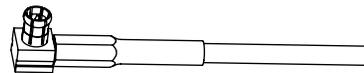


FIG 6  
-72RPX SHOWN



BOM			
ITEM	COMPONENT	-72RP1	-72RP2
1	SUB ASSEMBLY	SUB-MCX7-P-C-H-RA-CA3	SUB-MCX7-P-C-HN-RA-CA3
2	FERRULE	MCX-FER-001-F	MCX-FER-001-N
3	INSULATOR	MCX-INS-001	
4	CAP	MCX-CAP-001-F	MCX-CAP-001-N



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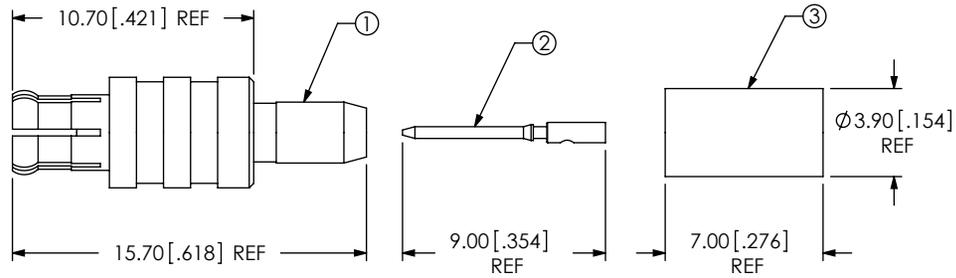
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**RF179 CABLE ASSEMBLY**

DWG. NO.  
**RF179-XXXXX-XXXXXX-XXXX**

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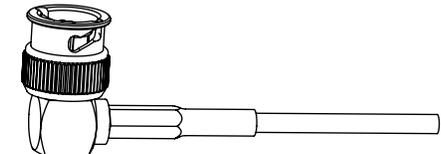
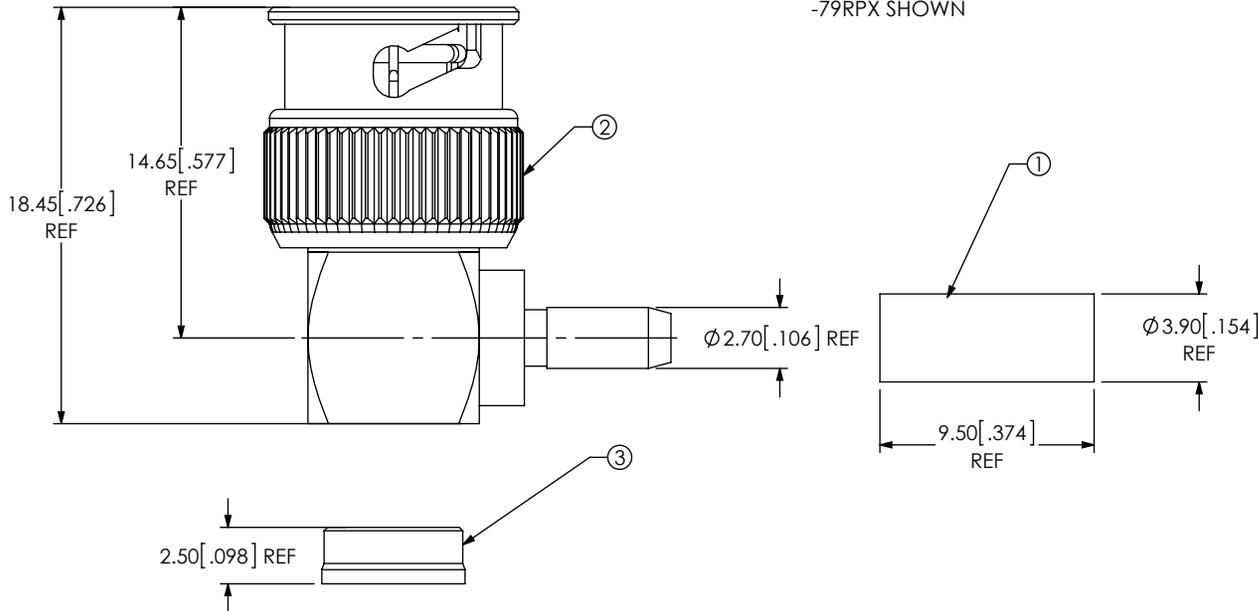
FIG 7  
-72SPX SHOWN



BOM			
ITEM	COMPONENT	-72SP1	-72SP2
1	SUB ASSEMBLY	SUB-MCX7-P-C-F-ST-CA3	SUB-MCX7-P-C-FN-ST-CA3
2	PIN	MCX7-P-C-H-ST-CA3-PIN	
3	OUTER FERRULE	MCX-FER-001-F	MCX-FER-001-N



FIG 8  
-79RPX SHOWN



BOM			
ITEM	COMPONENT	-79RP2	-79RP3
1	FERRULE	SMA-FER-001-N	
2	SUB ASSEMBLY	SUB-MBNC7-P-C-HN-RA-CA3	SUB-MBNC7-P-C-GN-RA-CA3
3	CAP	MBNC7-P-C-N-RA-CAP	

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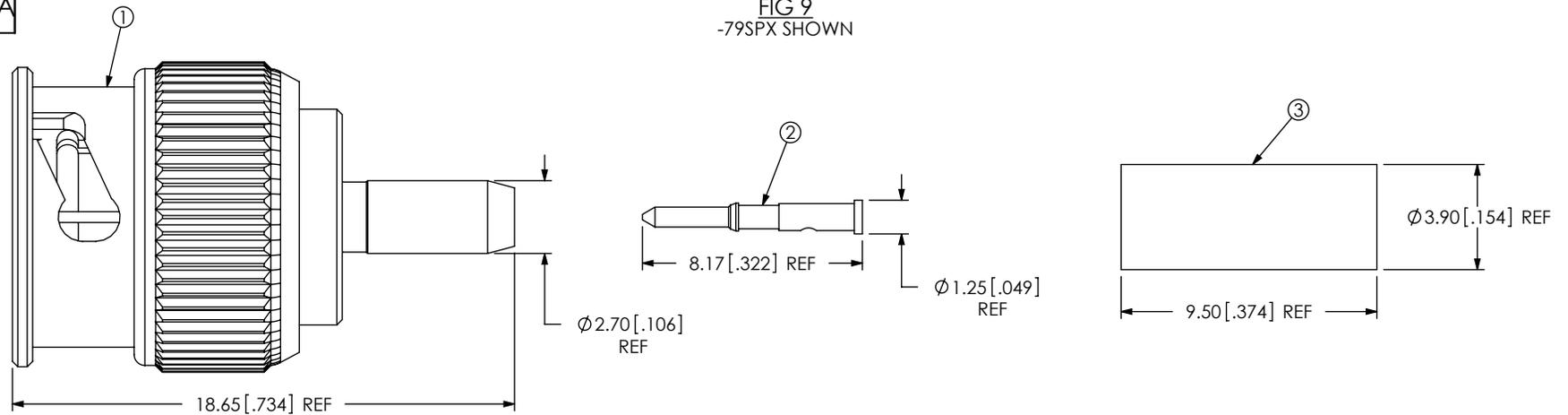
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RF179 CABLE ASSEMBLY  
DWG. NO.  
RF179-XXXX-XXXX-XXXX  
BY: B. RAY 1-30-2007 SHEET 5 OF 10

FIG 9  
-79SPX SHOWN



BOM			
ITEM	COMPONENT	-79SP2	-79SP3
1	SUB ASSEMBLY	SUB-MBNC7-P-C-N-ST-CA3	
2	PIN	MBNC7-P-C-H-ST-CA3-PIN	MBNC7-P-C-G-ST-CA3-PIN
3	FERRULE	SMA-FER-001-N	

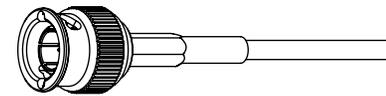
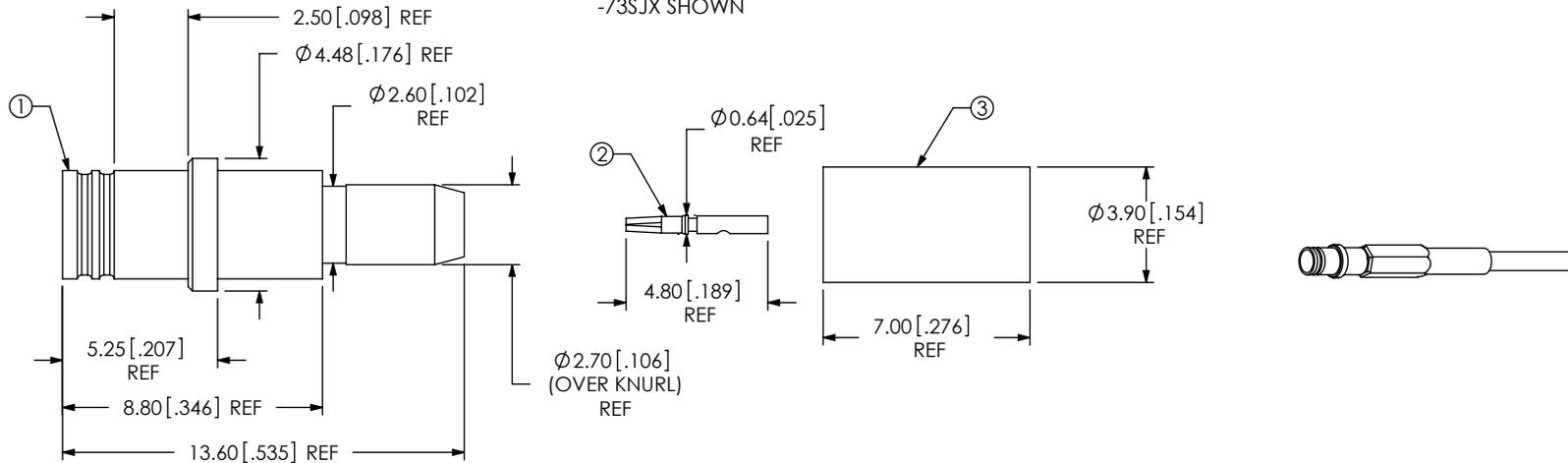


FIG 10  
-73SJX SHOWN



BOM			
ITEM	COMPONENT	-73SJ1	-73SJ4
1	SUB ASSEMBLY	SUB-GRF7V-J-C-FF-ST-CA3	SUB-GRF7V-J-C-FN-ST-CA3
2	SOCKET	GRF7-J-C-H-ST-SKT	GRF7-J-C-G-ST-SKT
3	FERRULE	MCX-FER-001-F	MCX-FER-001-N

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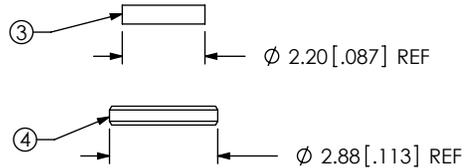
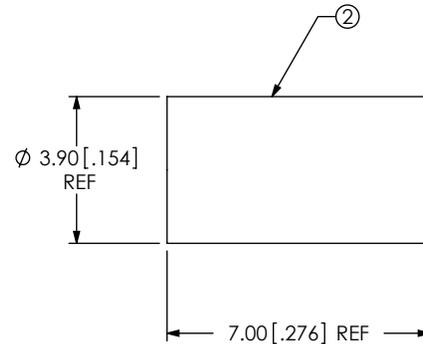
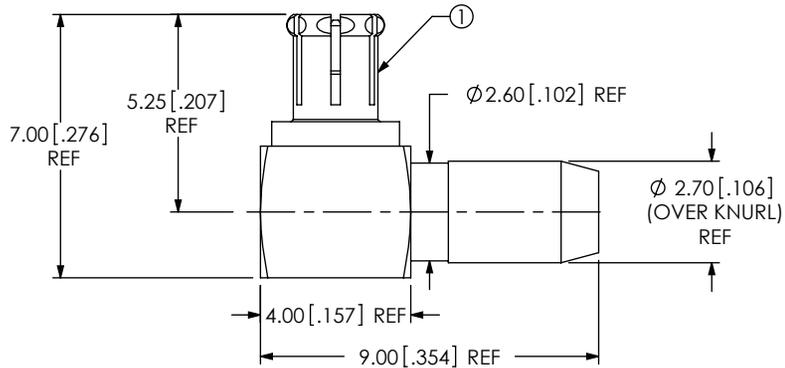
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**RF179-XXXX-XXXX-XXXX**

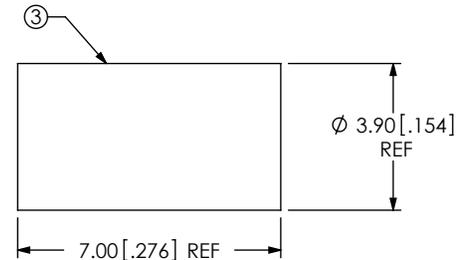
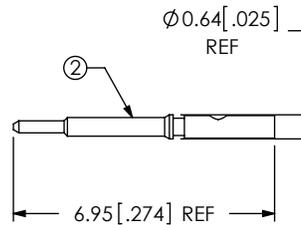
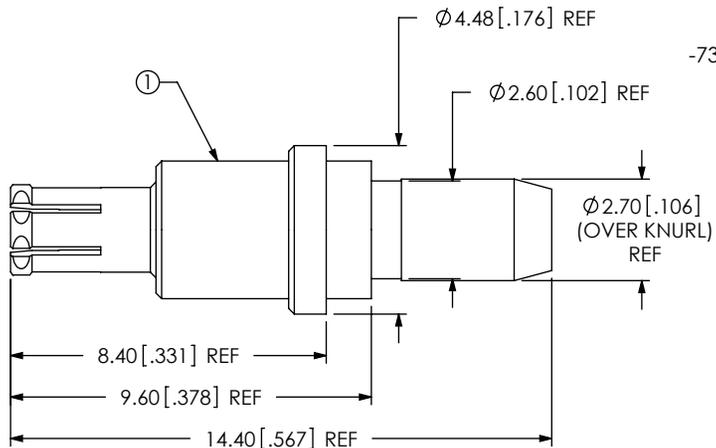
BY: B. RAY 1-30-2007 SHEET 6 OF 10

FIG 11  
-73RPX SHOWN



BOM			
ITEM	COMPONENT	-73RP1	-73RP4
1	SUB ASSEMBLY	SUB-GRF7V-P-C-HF-RA-CA3	SUB-GRF7V-P-C-GF-RA-CA3
2	FERRULE	MCX-FER-001-F	MCX-FER-001-N
3	INSULATOR	MMCX-INS-001	
4	CAP	MMCX-CAP-001-F	MMCX-CAP-001-N

FIG 12  
-73SPX SHOWN



BOM			
ITEM	COMPONENT	-73SP1	-73SP4
1	SUB ASSEMBLY	SUB-GRF7-P-C-FF-ST-CA3	SUB-GRF7-P-C-FN-ST-CA3
2	PIN	GRF7-P-C-H-ST-PIN	GRF7-P-C-G-ST-PIN
3	FERRULE	MCX-FER-001-F	MCX-FER-001-N

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DO NOT SCALE DRAWING

SHEET SCALE: 5:1



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

DESCRIPTION:  
RF179 CABLE ASSEMBLY

DWG. NO.  
**RF179-XXXXX-XXXXXX-XXXX**

BY: B. RAY 1-30-2007 SHEET 7 OF 10

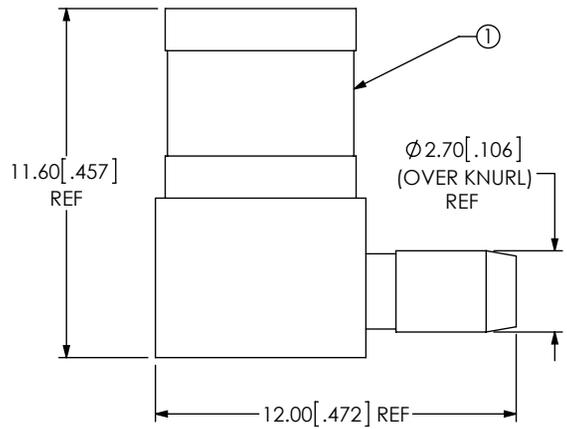
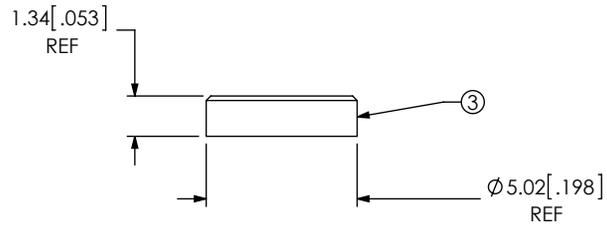
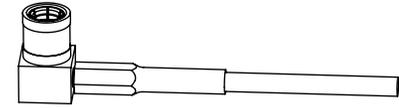
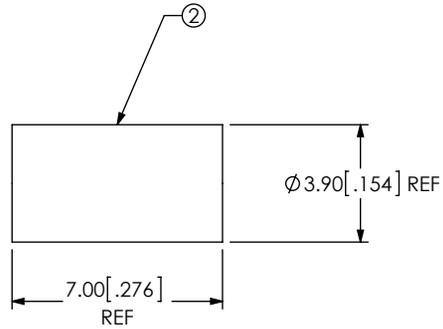
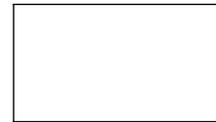
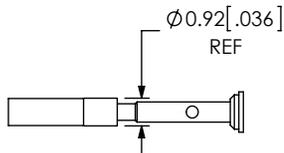
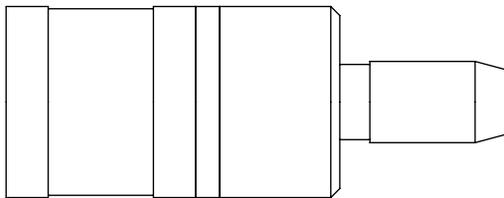


FIG 13  
-77RPX SHOWN



BOM			
ITEM	COMPONENT	-77RP1	-77RP2
1	SUB ASSEMBLY	SUB-SMB7H-P-C-H-RA-CA3	SUB-SMB7H-P-C-HN-RA-CA3
2	FERRULE	MCX-FER-001-F	MCX-FER-001-N
3	CAP	SMB7-CAP-001-F	SMB7-CAP-001-N

FIG 14  
-77SPX SHOWN



BOM			
ITEM	COMPONENT	-77SP2	-77SP1
1	SUB ASSEMBLY	SUB-SMB7H-P-C-FN-ST-CA3	SUB-SMB7H-P-C-F-ST-CA3
2	SOCKET	SMB7H-P-C-H-ST-CA3-SKT	
3	FERRULE	MCX-FER-001-N	MCX-FER-001-F

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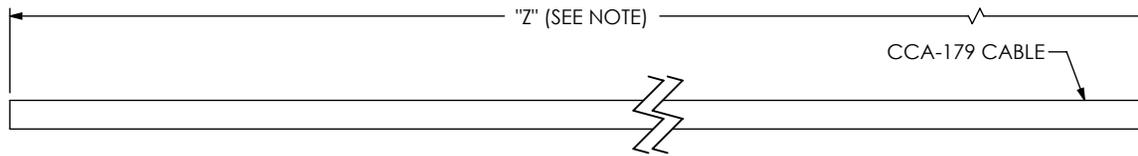
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SHEET SCALE: 4:1



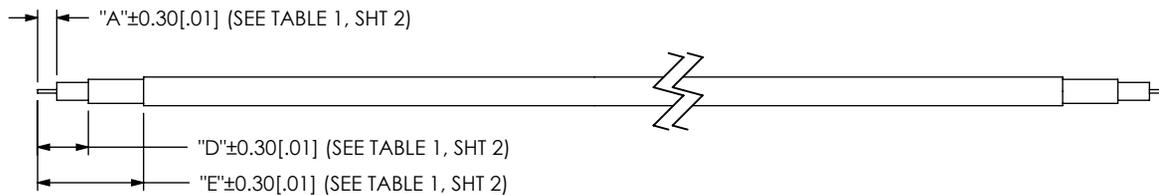
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
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 e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
 RF179 CABLE ASSEMBLY  
 DWG. NO.  
**RF179-XXXXX-XXXXXX-XXXX**  
 BY: B. RAY 1-30-2007 SHEET 8 OF 10

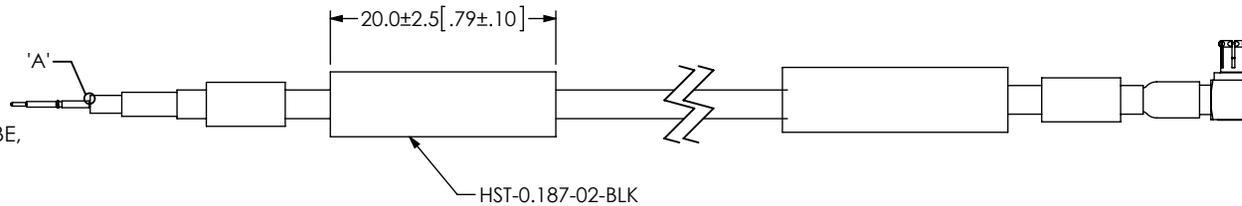


IN PROCESS 1  
CUT CABLE TO LENGTH

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

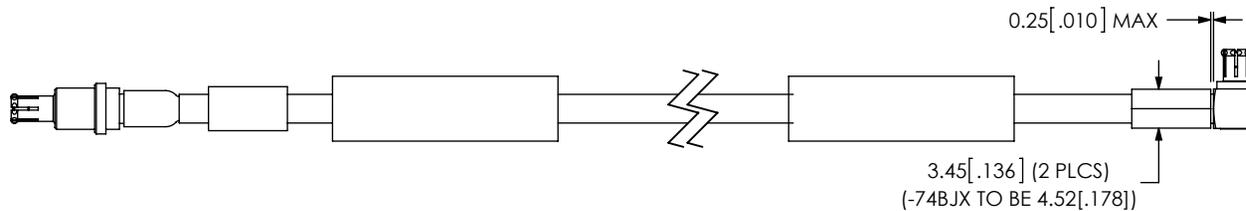


IN PROCESS 2  
STRIP AND TIN INNER CONDUCTOR



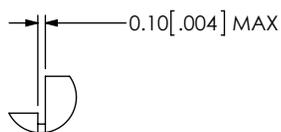
RIGHT ANGLE  
IN PROCESS 3  
ADD FERRULE & HEAT SHRINK TUBE,  
FLARE SHIELD, ADD SUB ASSEMBLY  
(SEE NOTE 6)

STRAIGHT  
IN PROCESS 3  
ADD FERRULE & HEAT SHRINK TUBE,  
SOLDER SIGNAL PIN



RIGHT ANGLE  
IN-PROCESS 4  
CRIMP FERRULE

STRAIGHT  
IN PROCESS 4  
FLARE SHIELD,  
ADD SUB ASSEMBLY  
(SEE NOTE 6)



DETAIL 'A'  
SCALE 10:1

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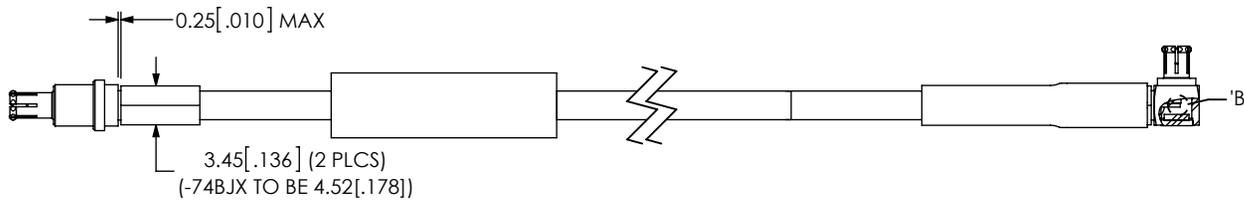
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SHEET SCALE: 3:2



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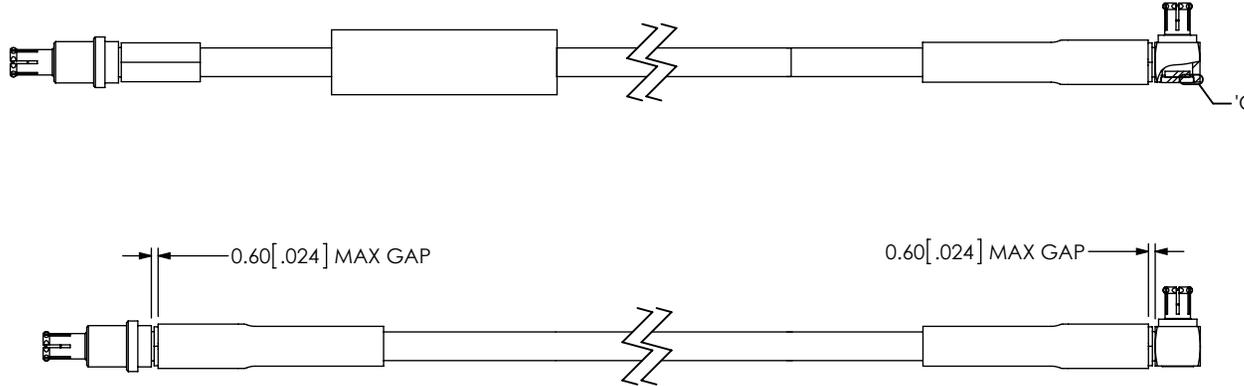
DESCRIPTION: RF179 CABLE ASSEMBLY	
DWG. NO. RF179-XXXXX-XXXXXX-XXXX	
BY: B. RAY	1-30-2007
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STRAIGHT  
IN-PROCESS 5  
CRIMP FERRULE



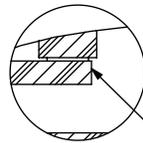
RIGHT ANGLE  
IN-PROCESS 5  
SOLDER SIGNAL PIN

STRAIGHT  
IN PROCESS 6  
ACTIVATE HEAT SHRINK



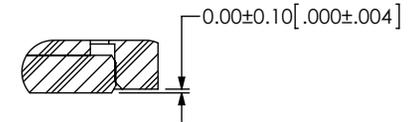
RIGHT ANGLE  
IN-PROCESS 6  
INSERT INSULATOR & CAP

RIGHT ANGLE  
IN PROCESS 7  
ACTIVATE HEAT SHRINK



CABLE CENTER CONDUCTOR  
SHOULD NOT PROTRUDE  
OUTSIDE CONTACT CUP

DETAIL 'B'  
SCALE 10 : 1



DETAIL 'C'  
SCALE 10 : 1

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SHEET SCALE: 3:2



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BY: B. RAY 1-30-2007 SHEET 10 OF 10