



DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]

DO NOT
SCALE FROM
THIS PRINT

RF058-XXXXX-XXXXXX-XXXX

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

OVERALL ASSEMBLY LENGTH (OAL)
XXXX (MILLIMETERS) (0100 MIN)
(SEE NOTE 8)

END 1 CONNECTOR
(SEE TABLE 3, SHT 2)

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

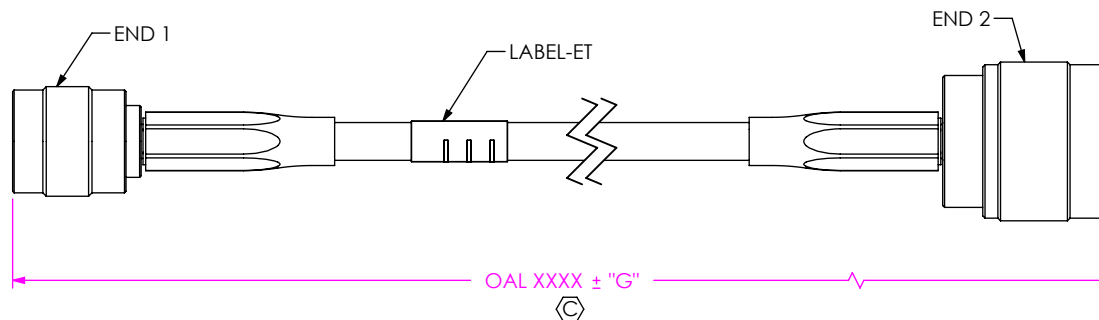


FIG 1
RF058-05SR3-06SP2-XXXX SHOWN

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]
0500-1100 [19.69-43.30]	+10.0 [.40]/-0.0 [.00]
>1100 [43.30]	± 1%

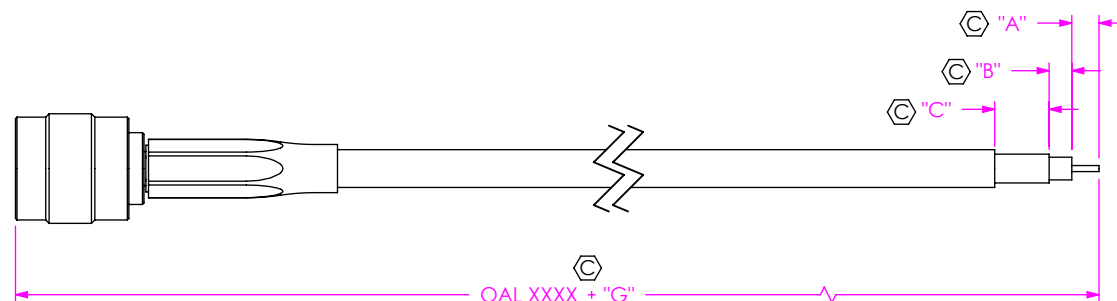


FIG 2
RF058-05SR3-172849-XXXX SHOWN (SEE NOTE 5 & 7)

"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 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\RF058-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

NUTS, LOCK WASHERS, SHELLS, FERRULES, CONTACTS: BRASS
INSULATORS: PTFE
GASKETS: SILICONE
RINGS: STAINLESS STEEL

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520 PARK EAST BLVD, NEW ALBANY, IN 47150
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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 1 OF 7

TABLE 3

END 2 OPTION	SERIES	GENDER	CONFIGURATION	PLATING			FIGURE
				CENTER CONTACT	OUTER CONTACT	OTHER COMPONENTS	
-05SR3	TNC	REVERSE POLARITY PLUG	STRAIGHT	10μ" GOLD	100μ" NICKEL	100μ" NICKEL	SHT 3, FIG 3
-06SP2	NTPE	PLUG	STRAIGHT	30μ" GOLD	100μ" NICKEL	100μ" NICKEL	SHT 3, FIG 4
-06SP3	NTPE	PLUG	STRAIGHT	10μ" GOLD	100μ" NICKEL	100μ" NICKEL	
-01BJ1	SMA	JACK	STRAIGHT BULKHEAD	30μ" GOLD	3μ" GOLD	3μ" GOLD	SHT 4, FIG 5
-01BJ7	SMA	JACK	STRAIGHT BULKHEAD	10μ" GOLD	3μ" GOLD	3μ" GOLD	
-01SB1	SMA	JACK	SEALED STRAIGHT BULKHEAD	30μ" GOLD	3μ" GOLD	3μ" GOLD	SHT 4, FIG 6
-01SB7	SMA	JACK	SEALED STRAIGHT BULKHEAD	10μ" GOLD	3μ" GOLD	3μ" GOLD	
-01SP1	SMA	PLUG	STRAIGHT	30μ" GOLD	3μ" GOLD	3μ" GOLD	SHT 5, FIG 7
-01SP7	SMA	PLUG	STRAIGHT	10μ" GOLD	3μ" GOLD	3μ" GOLD	
*-SING	SINGLE ENDED	-	-	-	-	-	-
*-XXXXXX	STRIPPED & TINNED	-	-	-	-	-	SHT 1, FIG 2

* = END OPTION ONLY

TABLE 1

END OPTION	SUBTRACTO R	STRIP DIMENSIONS			HEAT SHRINK TUBE	HI POT	
	"Y"	"A"	"D"	"E"	"F"	"DC"	"AC"
-05SR3	9.2 [0.36]	5.3 [0.21]	8.7 [0.34]	16.8 [0.66]	20.00 [0.787]	1000	1400
-06SP2	15.3 [0.60]	3.6 [0.14]	6.6 [0.26]	13.8 [0.54]	25.00 [0.984]	1000	1400
-06SP3							
-01BJ1	8.7 [0.34]	2.5 [0.10]	6.4 [0.25]	15.5 [0.61]	20.00 [0.787]	1000	1000
-01BJ7							
-01SB1	8.7 [0.34]	2.5 [0.10]	6.4 [0.25]	15.5 [0.61]	20.00 [0.787]	1000	1000
-01SB7							
-01SP1	5.2 [0.20]	3.0 [0.12]	4.0 [0.16]	13.0 [0.51]	20.00 [0.787]	1000	1000
-01SP7							
*-SING	0.0 [0.00]	-	-	-	N/A	1000	N/A
*-XXXXXX	0.0 [0.00]	"A"	"A" + "B"	"A" + "B" + "C"	N/A	1000	N/A

* = END 2 OPTION ONLY

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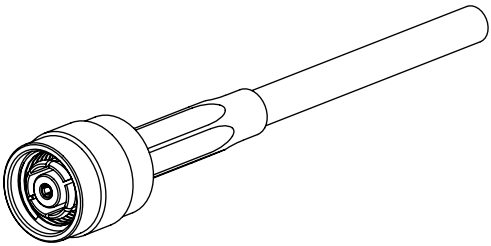
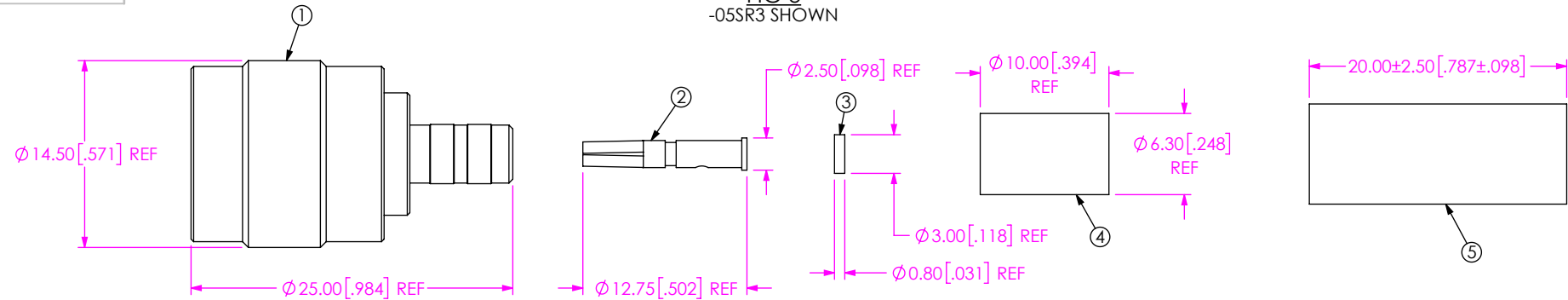
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 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail info@SAMTEC.com code 55322

DESCRIPTION: RF058 CABLE ASSEMBLY

DWG. NO. RF058-XXXXX-XXXXXX-XXXX

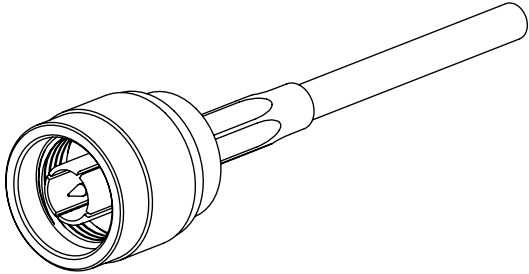
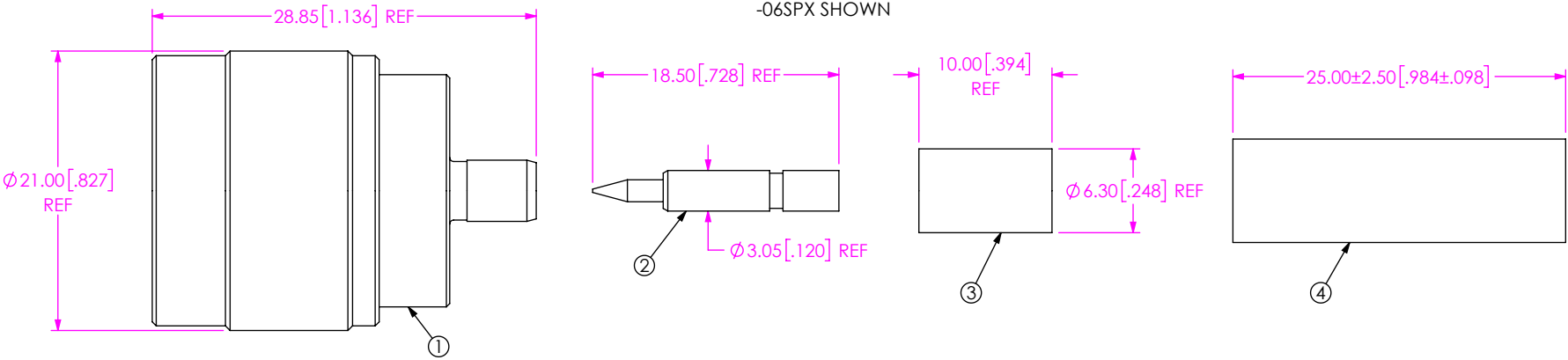
BY: TIM P. 5/6/2005 SHEET 2 OF 7

FIG 3
-05SR3 SHOWN



BOM		
ITEM	COMPONENT	-05SR3
1	SUB ASSEMBLY	SUB-TNC-P-C-N-SR-C10
2	SOCKET	TNC-SKT-002-G
3	INSULATOR	TNC-INS-002
4	FERRULE	TNC-FER-003-N
5	HEAT SHRINK TUBE	HST-0.250-02-BLK

FIG 4
-06SPX SHOWN



BOM			
ITEM	COMPONENT	-06SP2	-06SP3
1	SUB ASSEMBLY	SUB-NTPE-P-C-N-ST-C10	
2	PIN	NTPE-PIN-002-H	NTPE-PIN-002-G
3	FERRULE	TNC-FER-003-N	
4	HEAT SHRINK TUBE	HST-0.250-02-BLK	

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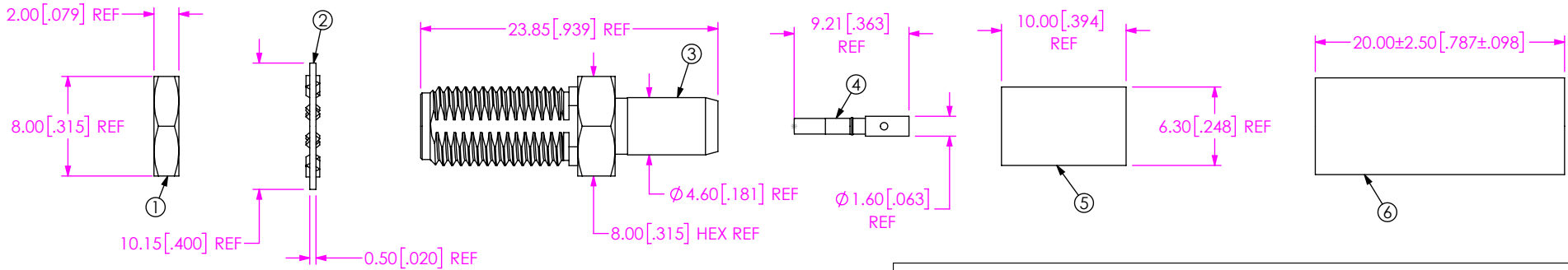
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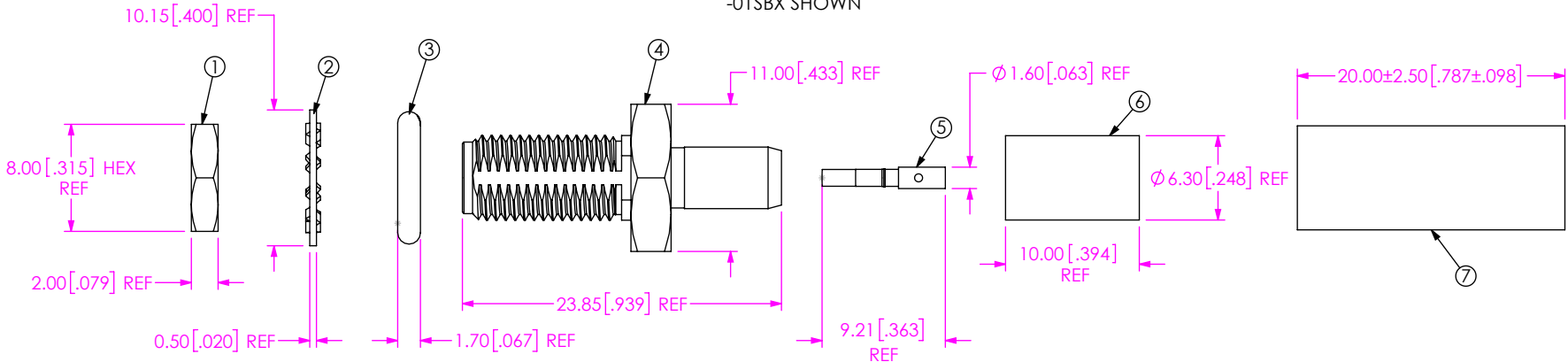
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FIG 5
-01BJX SHOWN



BOM			
ITEM	COMPONENT	-01BJ1	-01BJ7
1	HEX NUT	SMA-NUT-001-F	
2	LOCK WASHER	SMA-LWAS-001-F	
3	SUB ASSEMBLY	SUB-SMA-J-C-F-ST-B10	
4	SOCKET	SMA-J-C-H-ST-B10-SKT	SMA-J-C-G-ST-B10-SKT
5	FERRULE	TNC-FER-003-F	
6	HEAT SHRINK TUBE	HST-0.250-02-BLK	

FIG 6
-01SBX SHOWN



BOM			
ITEM	COMPONENT	-01SB1	-01SB7
1	HEX NUT	SMA-NUT-001-F	
2	LOCK WASHER	SMA-LWAS-001-F	
3	GASKET	SMA-GKT-002	
4	SUB ASSEMBLY	SUB-SMA-J-C-F-ST-S10	
5	SOCKET	SMA-J-C-H-ST-B10-SKT	SMA-J-C-G-ST-B10-SKT
6	FERRULE	TNC-FER-003-F	
7	HEAT SHRINK TUBE	HST-0.250-02-BLK	

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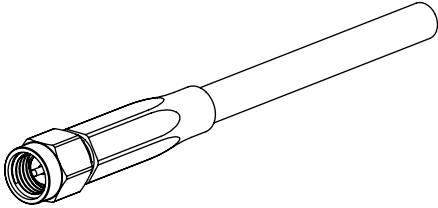
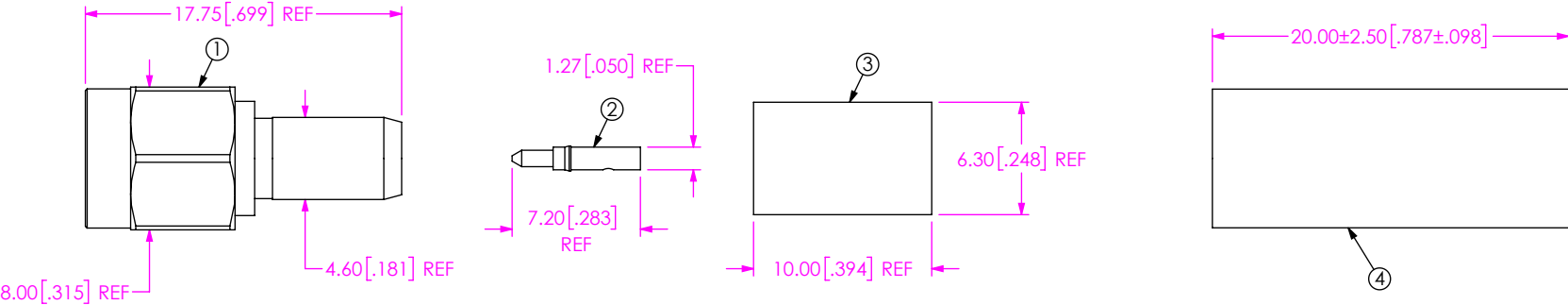
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DESCRIPTION:
RF058 CABLE ASSEMBLY
DWG. NO.
RF058-XXXXX-XXXXXX-XXXX
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FIG 7
-01SPX SHOWN



BOM			
ITEM	COMPONENT	-01SP1	-01SP7
1	SUB ASSEMBLY	SUB-SMA-P-C-F-ST-C10	
2	PIN	SMA-PIN-010-H	SMA-PIN-010-G
3	FERRULE	TNC-FER-003-F	
4	HEAT SHRINK TUBE	HST-0.250-02-BLK	

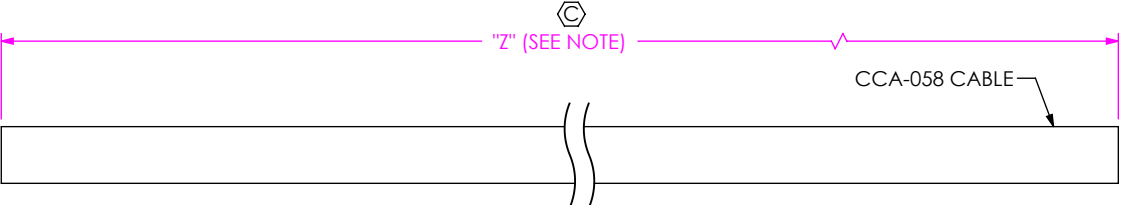
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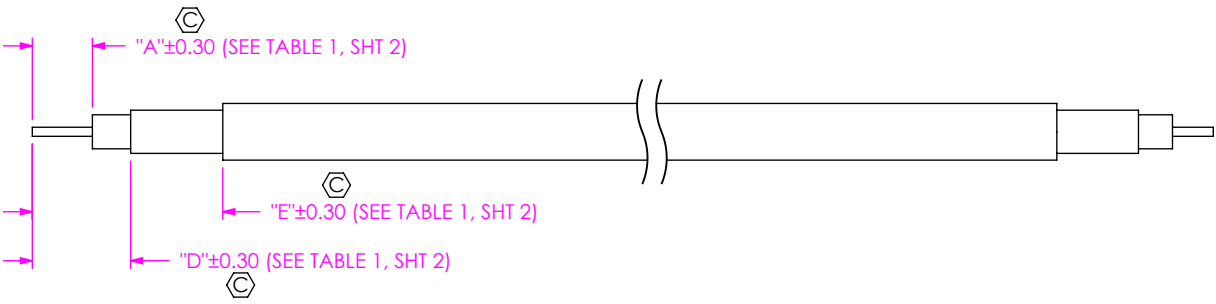
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IN PROCESS 1
CUT CABLE TO LENGTH

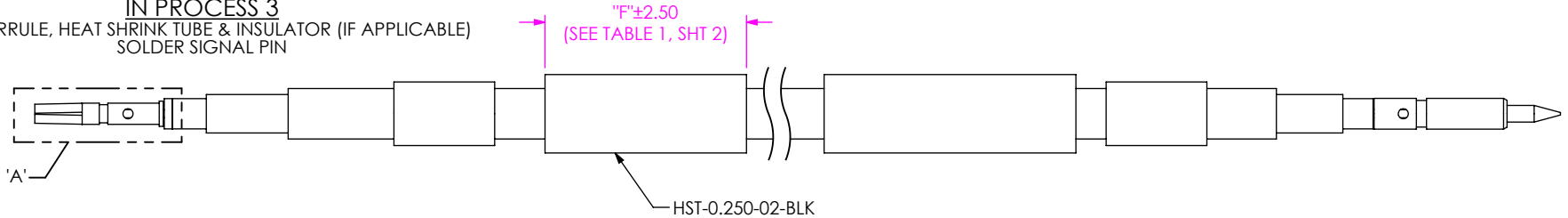


NOTE: "Z" = 2 * OAL - 2 * ["Y"(END 1)] (FOR -SING OR -XXXXXX OPTIONS)
"Z" = OAL - "Y"(END 1) - "Y"(END 2) (FOR DOUBLE ENDED OPTIONS)

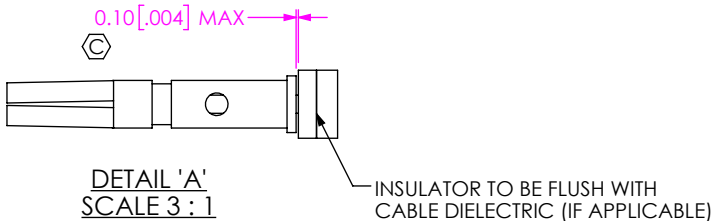
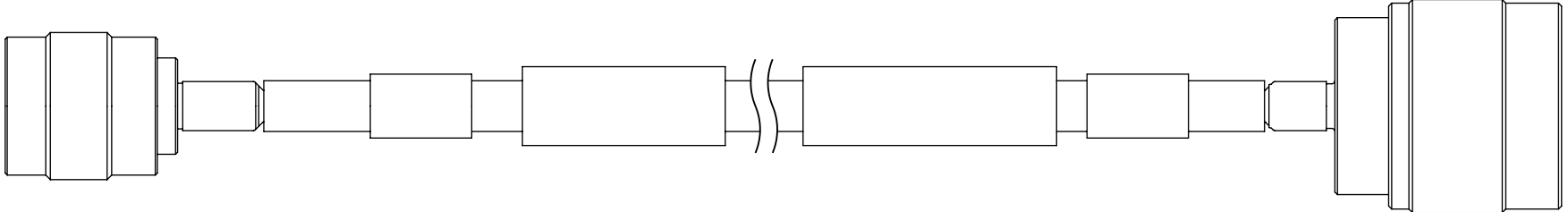
IN PROCESS 2
STRIP AND TIN INNER CONDUCTOR



IN PROCESS 3
ADD FERRULE, HEAT SHRINK TUBE & INSULATOR (IF APPLICABLE)
SOLDER SIGNAL PIN

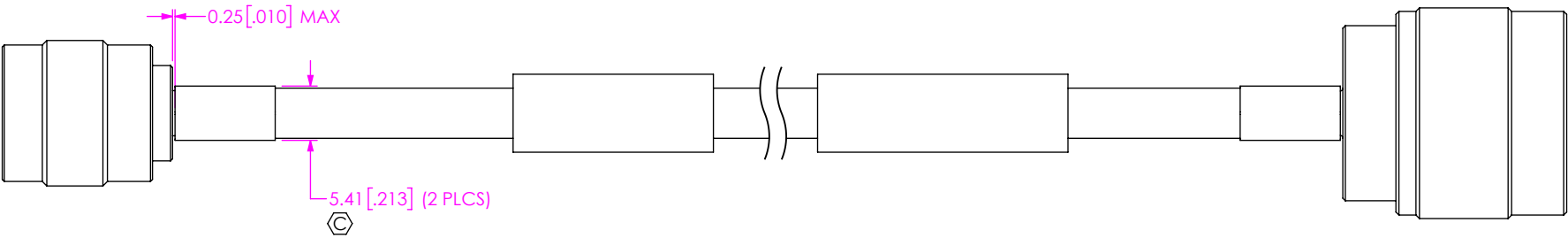


IN PROCESS 4
FLARE SHIELD,
ADD SUB ASSEMBLY
(SEE NOTE 6)

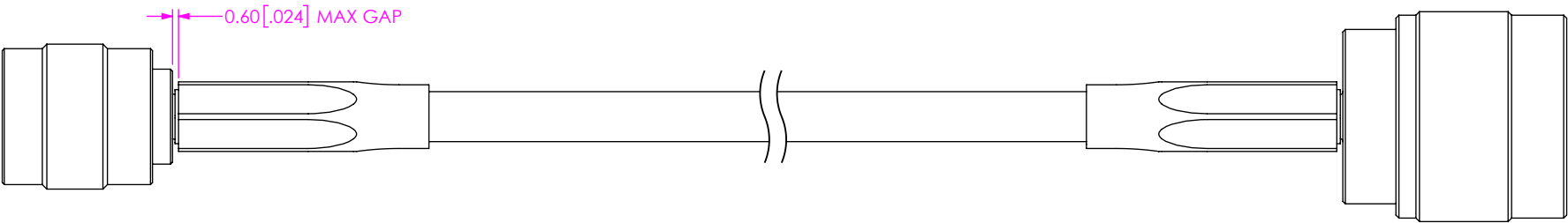


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IN PROCESS 5
CRIMP FERRULE



IN PROCESS 6
ACTIVATE HEAT SHRINK



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