REVISION S

DO NOT SCALE FROM THIS PRINT

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

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

RF058-XXXXX-XXXXXX-XXXX

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

END 1 CONNECTOR
(SEE TABLE 3, SHT 2)

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

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

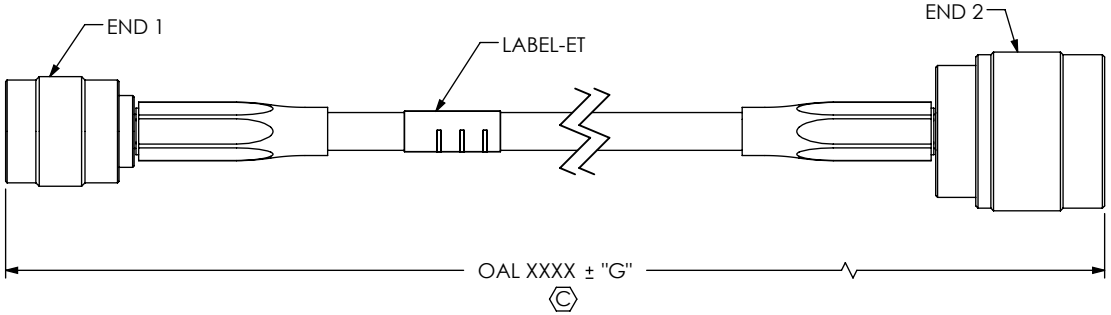



FIG 1
RF058-05SR3-06SP2-XXXX SHOWN

| 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% |

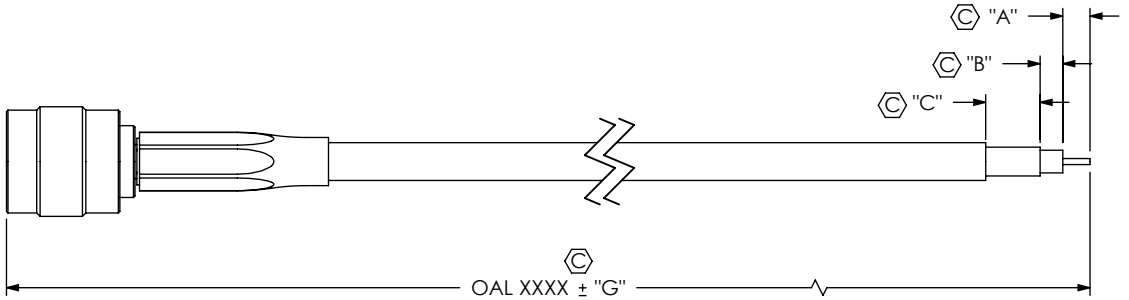



FIG 2
RF058-05SR3-172849-XXXX SHOWN (SEE NOTE 5 & 7)

"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.

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES].
TOLERANCES ARE:
DECIMALS: .X: ±0.3 [.01] .XX: ±0.13 [.005] .XXX: ±0.051 [.0020]
ANGLES: 2 °


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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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DESCRIPTION: RF058 CABLE ASSEMBLY

DWG. NO. RF058-XXXXX-XXXXXX-XXXX

BY: TIM P. 5/6/2005 SHEET 1 OF 7

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**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 | SUBTRACTOR | STRIP DIMENSIONS | | | HEAT SHRINK TUBE | HI POT | |
|---|---|---|---|---|---|---|---|
| | "Y" | "A" | "D" | "E" | "F" | "DC" | "AC" |
| -05SR | 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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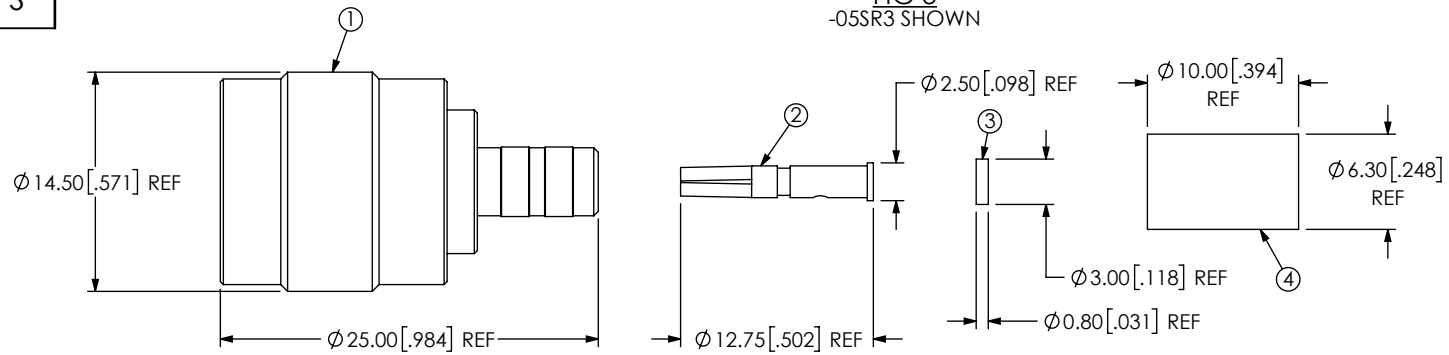
DESCRIPTION: RF058 CABLE ASSEMBLY

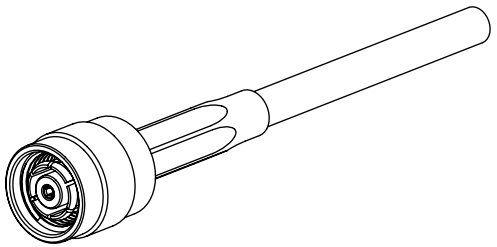
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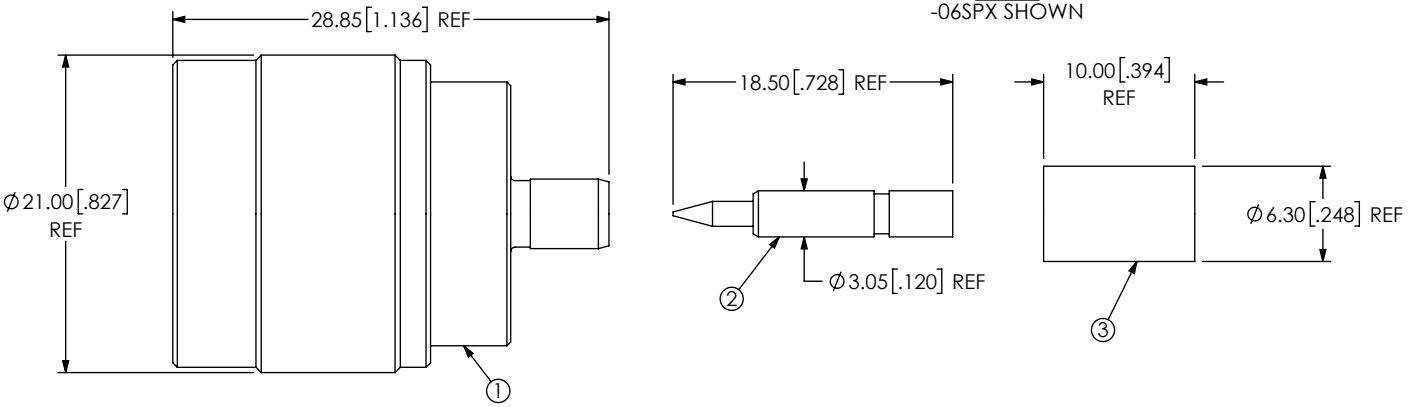
FIG 3
-05SR3 SHOWN

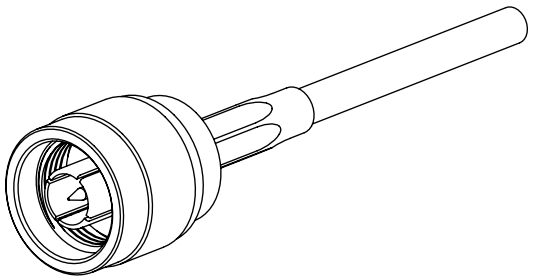


| BOM | | |
|---|---|---|
| ITEM | COMPONENT | -05SR3 |
| 1 | SUB ASSEMBLY | SUB-TNC-P-C-N-SR-C10 |
| 2 | SOCKET | TNC-SKT-002-G |
| 3 | INSULATOR | TNC-INS-002 |
| 4 | FERRULE | TNC-FER-003-N |

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 | |

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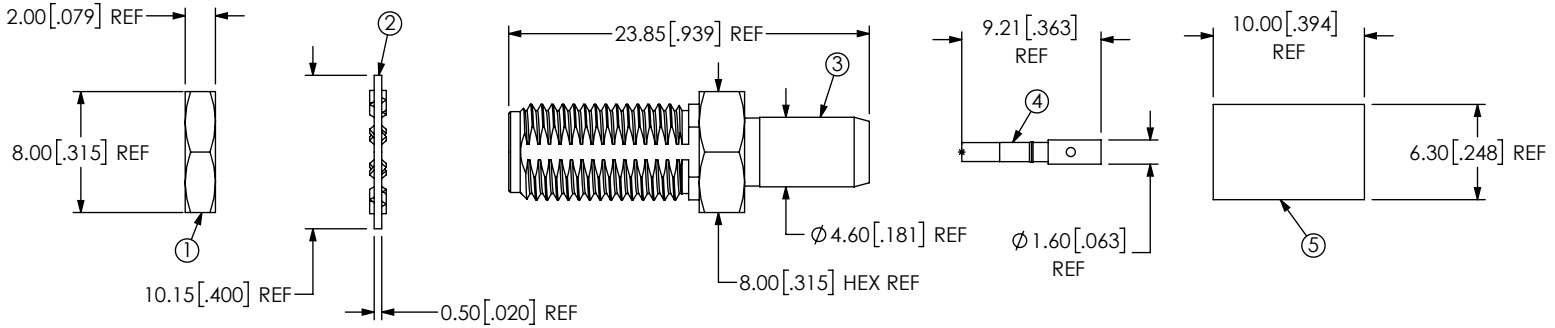

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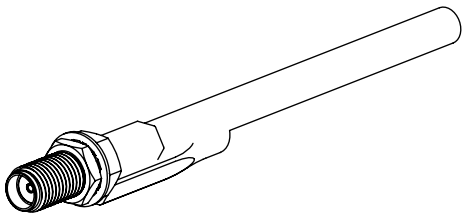
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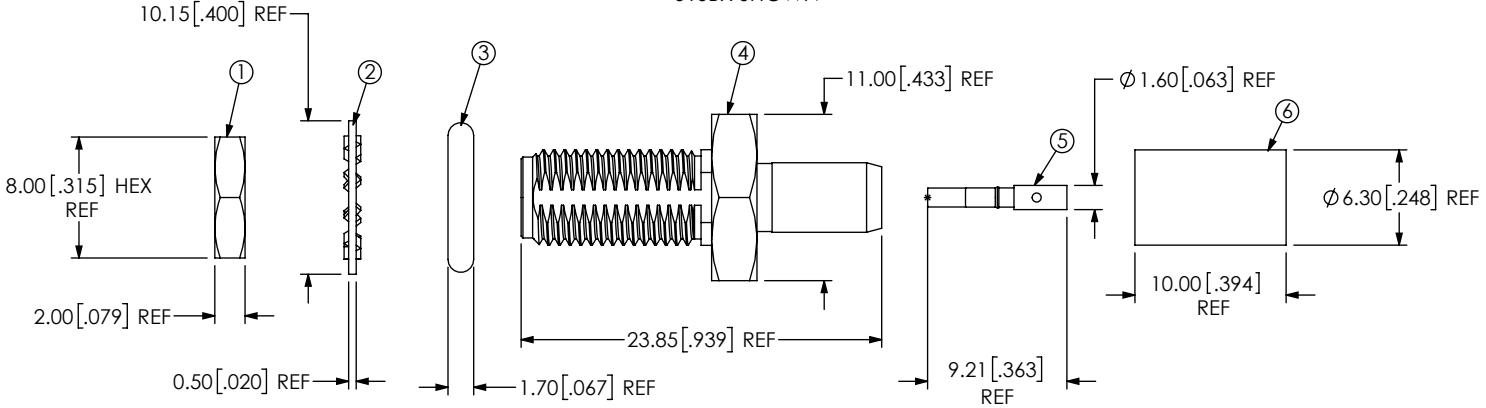
FIG 5
-01BJX SHOWN

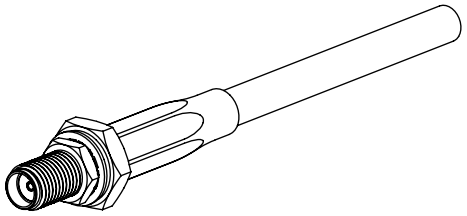


| BOM | | | |
|---|---|---|---|
| ITEM | COMPONENT | -01BJ1 | -01BJ7 |
| 1 | HEX NUT | SMA-NUT-001-F | |
| 2 | LOCK WASHER | SMA-LWAS-001-F | |
| 3 | SUB ASSEMBLY | SUB-SMA-J-C-F-ST-B10 | |
| 4 | SOCKET | SMA-J-C-H-ST-B10-SKT | SMA-J-C-G-ST-B10-SKT |
| 5 | FERRULE | TNC-FER-003-F | |

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 | |

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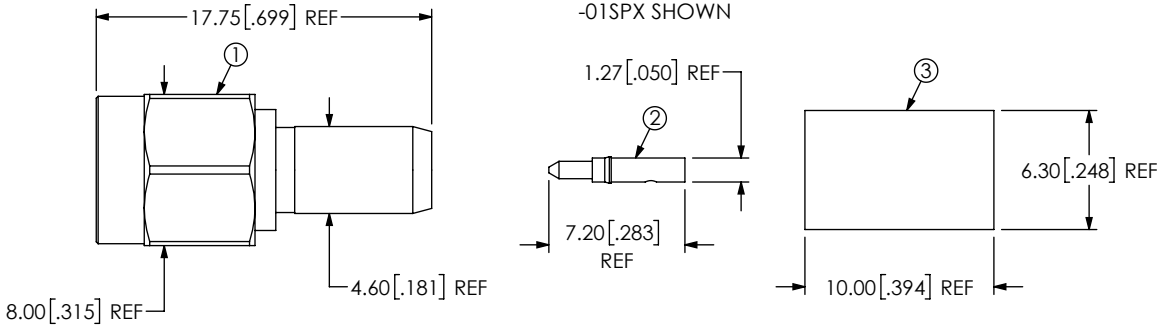

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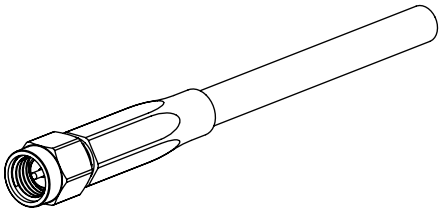
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FIG 7
-01SPX SHOWN



| 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 | |


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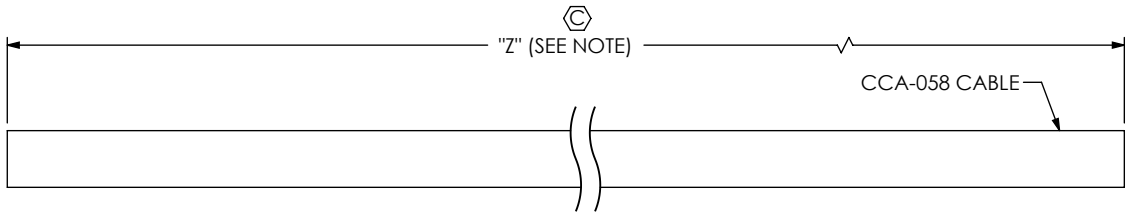

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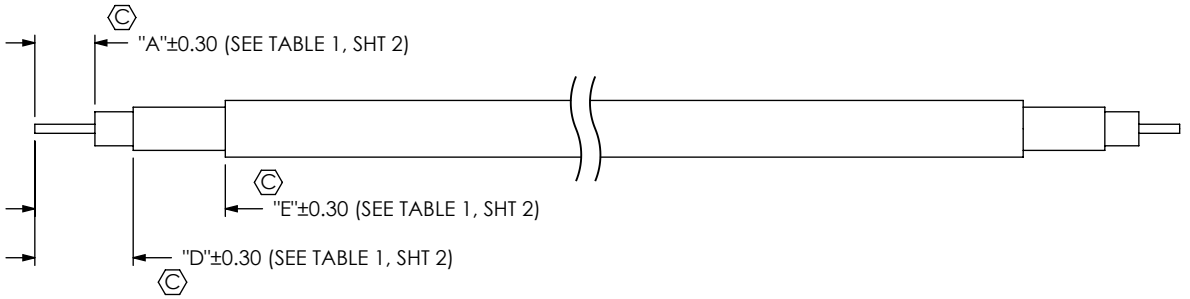
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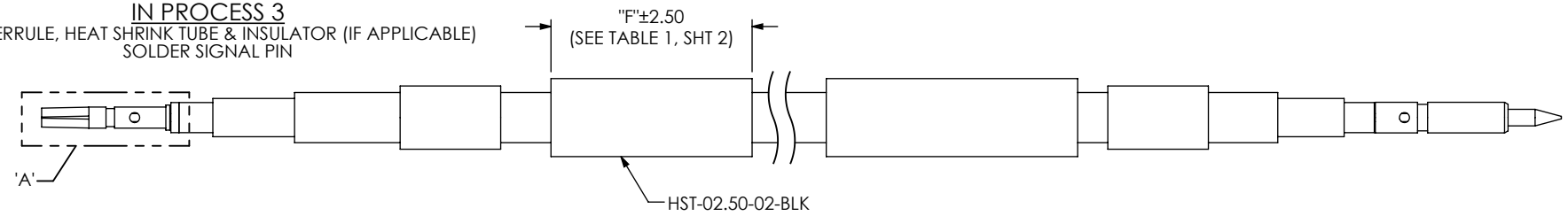

IN PROCESS 1
CUT CABLE TO LENGTH

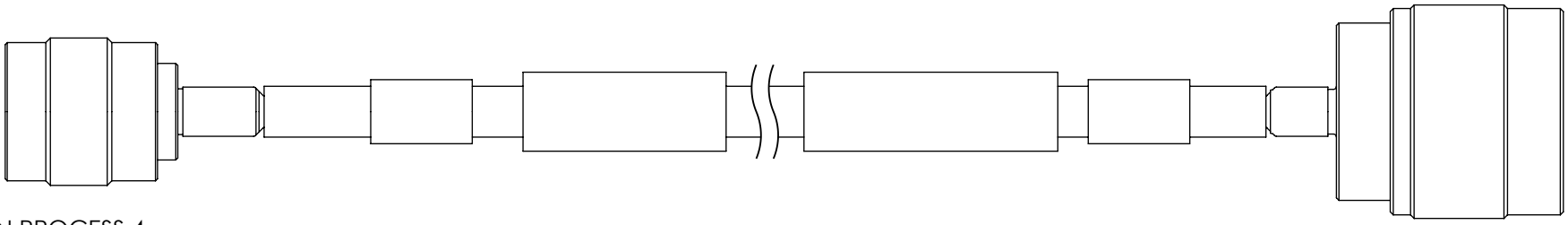
NOTE: "Z" = 2 * OAL - 2 * ["Y"(END 1)] (FOR -SING OR -XXXXXX OPTIONS)
"Z" = OAL - "Y"(END 1) - "Y"(END 2) (FOR DOUBLE ENDED OPTIONS)



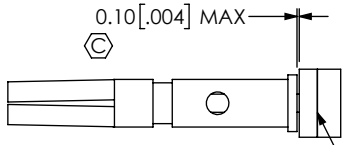

IN PROCESS 2
STRIP AND TIN INNER CONDUCTOR

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)




DETAIL 'A'
SCALE 3 : 1

INSULATOR TO BE FLUSH WITH
CABLE DIELECTRIC (IF APPLICABLE)


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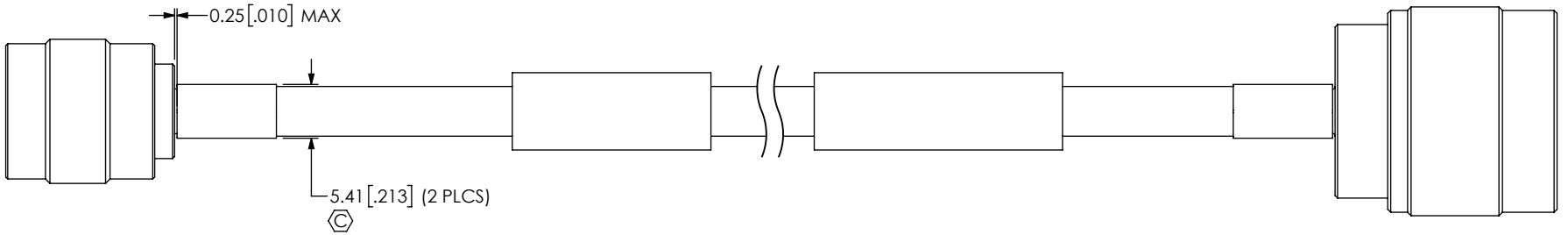
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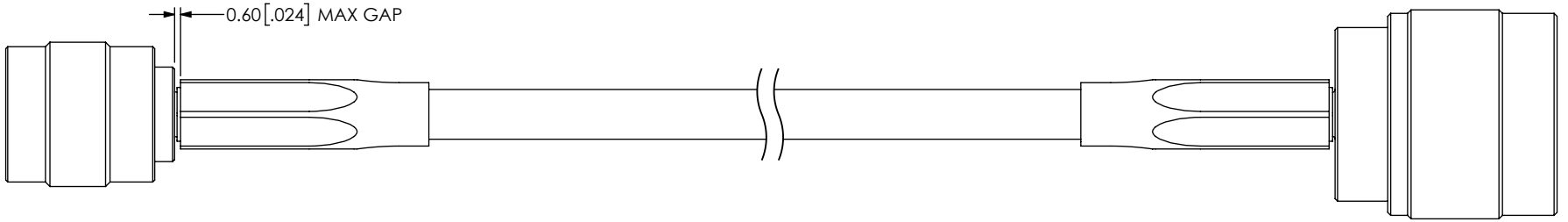
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IN PROCESS 5
CRIMP FERRULE




IN PROCESS 6
ACTIVATE HEAT SHRINK

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DWG. NO. RF058-XXXXX-XXXXXX-XXXX

BY: TIM P. 5/6/2005

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