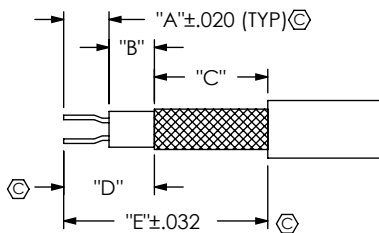


DESIGNED & DIMENSIONED  
IN INCHES [MILLIMETERS]

DO NOT  
SCALE FROM  
THIS PRINT

FIG 2  
STRIP AND TINNED OPTION  
(SEE NOTES 12-16)



|       | CABLE CUT LENGTH | HI POT |
|-------|------------------|--------|
| STYLE | SUBTRACTOR       | DCV    |
| -SPSX | 0.15 [3.81]      | 500    |
| -RPSX | 0.09 [2.29]      | 500    |
| -BJTX | 0.37 [9.40]      | 500    |
| SING  | 0.00 [0.00]      | 500    |

| LENGTH                     | TOLERANCE                  |
|----------------------------|----------------------------|
| 04.00-08.00 [101.6-203.2]  | +0.12 [3.0] / -0.00 [0.0]  |
| 08.01-20.00 [203.3-508.0]  | +0.20 [5.1] / -0.00 [0.0]  |
| 20.01-43.00 [508.0-1092.2] | +0.40 [10.2] / -0.00 [0.0] |
| >43.01 [1092.3]            | ± 1%                       |

NOTES:

- ⊕ REPRESENTS A CRITICAL DIMENSION.
- CABLE CUT LENGTH:  
= (LENGTH: XXXX) - (SUBTRACTOR FOR END 1) - (SUBTRACTOR FOR END 2)  
(SEE TABLE 1 FOR SUBTRACTORS).
- ASSEMBLY TO BE 100% TESTED FOR OPENS & SHORTS.
- 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.
- AFTER FINAL ELECTRICAL TEST, LABEL EACH CABLE ASSEMBLY WITH 1 LABEL-ET.
- PIN 1 IS SOLDERED TO BLACK INSULATED WIRE.
- FINISHED ASSEMBLIES TO BE PACKAGED PER PACKAGING STANDARD CO-RF-WI-3040-M. (LOCKWASHERS, NUTS, AND GASKETS TO BE SHIPPED UNASSEMBLED).
- CABLE STOCKED IN INCHES.
- CABLE LENGTHS LONGER THAN 36 INCHES ARE NOT SUPPORTED BY S.I. TEST DATA.
- MINIMUM BEND RADIUS: TBD.
- FOR SING ENDED OR STRIPPED AND TINNED ASSEMBLIES: MAKE A DOUBLE ENDED ASSEMBLY AT TWICE THE CABLE LENGTH AND E-TEST BEFORE CUTTING ASSEMBLY IN HALF.
- A+B+C HAVE A MINIMUM VALUE OF .00 & A MAXIMUM VALUE OF .40, LEAVE NO SPACE BLANK.
- PRODUCTION OF STRIP FOR CENTER DIELECTIC USE: A.
- PRODUCTION OF STRIP FOR SHIELD USE: D=A+B.
- PRODUCTION OF STRIP FOR JACKET USE: E=A+B+C.
- FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTORS ARE TINNED
- ALL CRITICALS ON KIT ASSEMBLY PRINTS TO BE CHECKED.
- ASSEMBLY INSTRUCTIONS CAN BE FOUND ON KIT ASSEMBLY PRINTS.
- CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.

C28X-XX.XX-XXXX-XXXXXX

CABLE CALLOUT  
\*28T: CCS-155709-01-PP CABLE  
28S: TPS-28100-RF CABLE

OVERALL CABLE LENGTH  
XX.XX"IN. (04.00" MIN, SEE NOTE 8 & 9)

END 1 CONNECTOR  
-SPS: STRAIGHT PLUG WITH SOCKETS (SEE SHT 2, FIG 3)  
-RPS: RIGHT ANGLE PLUG WITH SOCKETS (SEE SHT 2, FIG 4)  
-BJT: BULKHEAD JACK WITH TERMINALS (SEE SHT 2, FIG 5)

END 1 PLATING OPTION  
7: GOLD / FLASH GOLD / FLASH GOLD  
10μ Au / 50μ Ni MIN ON CENTER  
3μ Au / 50μ Ni MIN ON OUTER CONTACT & OTHER  
8: HEAVY GOLD / HEAVY GOLD / FLASH GOLD  
30μ Au / 50μ Ni MIN ON CENTER & OUTER CONTACT  
3μ Au / 50μ Ni MIN ON OTHER  
(SEE SHEET 2)

END 2 PLATING OPTION  
7: GOLD / FLASH GOLD / FLASH GOLD  
10μ Au / 50μ Ni MIN ON CENTER  
3μ Au / 50μ Ni MIN ON OUTER CONTACT & OTHER  
8: HEAVY GOLD / HEAVY GOLD / FLASH GOLD  
30μ Au / 50μ Ni MIN ON CENTER & OUTER CONTACT  
3μ Au / 50μ Ni MIN ON OTHER  
(SEE SHEET 2)

END 2 CONNECTOR OR PREPARATION  
-SPS: STRAIGHT PLUG WITH SOCKETS (SEE SHT 2, FIG 3)  
-RPS: RIGHT ANGLE PLUG WITH SOCKETS (SEE SHT 2, FIG 4)  
-BJT: BULKHEAD JACK WITH TERMINALS (SEE SHT 2, FIG 5)  
-SING: SINGLE ENDED (SEE NOTE 11)  
-XXXXXX: STRIPPED AND TINNED (SEE FIG 2, SHT 2 FIG 6 & NOTES 11-16)

"C" (.XX FORMAT)  
"B" (.XX FORMAT)  
"A" (.XX FORMAT)  
(A+B+C MAY NOT EXCEED 1.18)

\* = FOR EXISTING CUSTOMERS ONLY

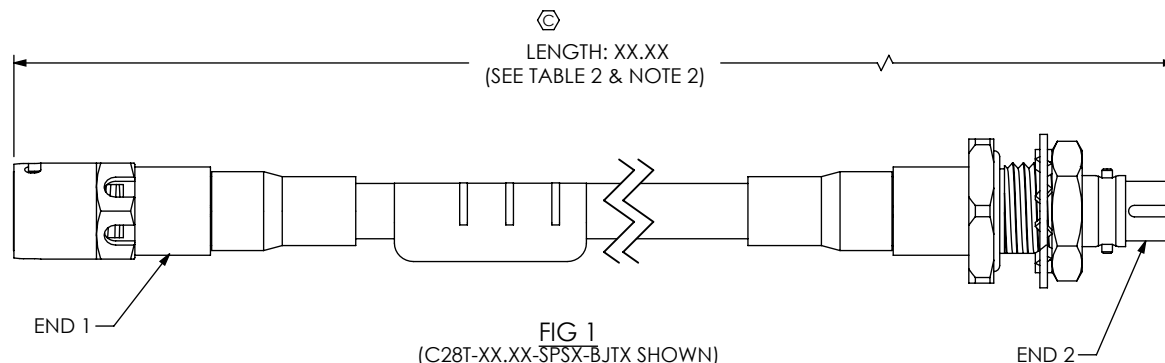


FIG 1  
(C28T-XX.XX-SPSX-BJTX SHOWN)

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

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1  
PINS, OUTER CONTACTS: PHOS BRONZE  
SOCKETS: BERYLLIUM COPPER  
SHELLS, NUTS, WASHERS: BRASS  
DIELECTRIC: PTFE  
GASKETS: RUBBER

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

**samtec**

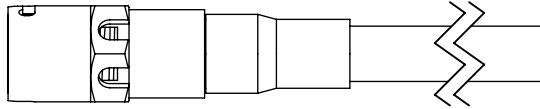
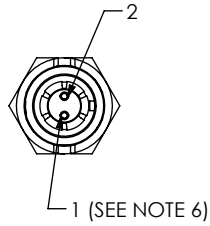
520 PARK EAST BLVD., NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
28 AWG CIRCULAR TWINAX CABLE ASSEMBLY

DWG. NO.  
C28X-XX.XX-XXXX-XXXXXX

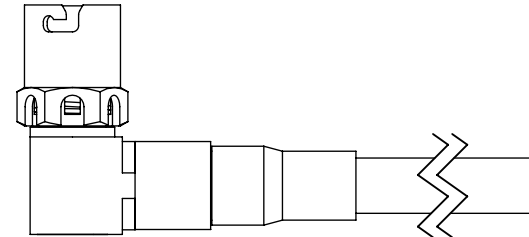
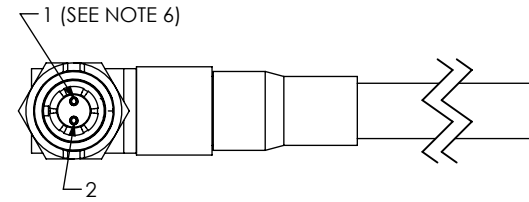
BY: ALVIN W 12/03/2010 SHEET 1 OF 2

FIG 3  
(C28T-XX.XX-SPSX-SING SHOWN)



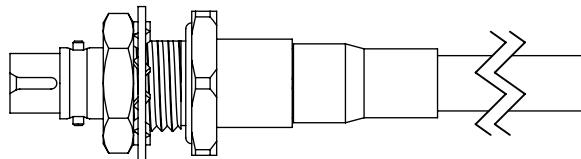
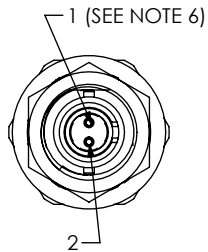
| PLATING | CPT-S-C-XX-ST-C13 |
|---------|-------------------|
| 7       | -GF               |
| 8       | -HH               |

FIG 4  
(C28T-XX.XX-RPSX-SING SHOWN)



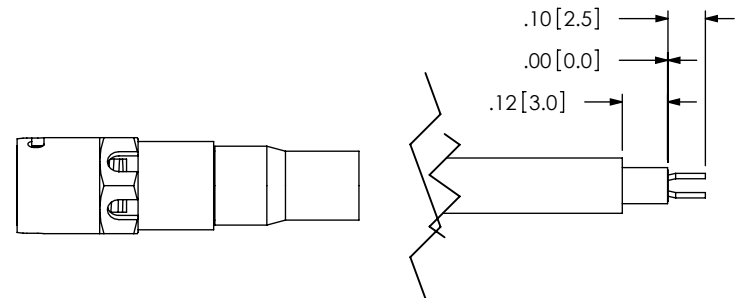
| PLATING | CPT-S-C-XX-RA-C13 |
|---------|-------------------|
| 7       | -GF               |
| 8       | -HH               |

FIG 5  
(C28T-XX.XX-BJTX-SING SHOWN)



| PLATING | CJT-T-C-XX-ST-B13 |
|---------|-------------------|
| 7       | -GF               |
| 8       | -HH               |

FIG 6  
(C28T-XX.XX-SPSX-T00012 SHOWN)



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DO NOT SCALE DRAWING

SHEET SCALE: 2:1



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

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28 AWG CIRCULAR TWINAX CABLE ASSEMBLY

DWG. NO.  
C28X-XX.XX-XXXX-XXXXXX

BY: ALVIN W 12/03/2010 SHEET 2 OF 2