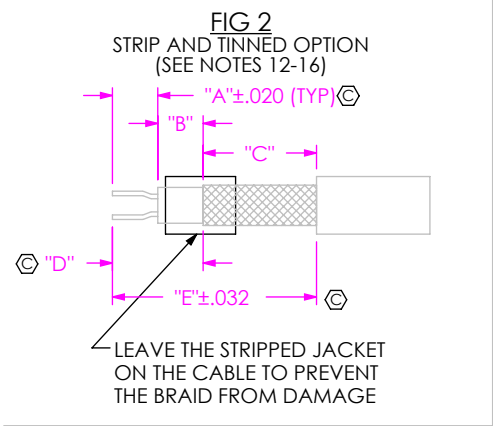




**THE DATASHEET OF  
C28S-41.00-BJT8-BJT8**



DO NOT SCALE FROM THIS PRINT



**TABLE 1**

STYLE	CABLE CUT LENGTH		HI POT
	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

**TABLE 2: FINAL ASSEMBLY LENGTH TOLERANCE**

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).
- ⊕-3. ASSEMBLY TO BE 100% TESTED FOR OPENS & SHORTS.
- ⊕-4. 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 BLUE INSULATED WIRE.
- 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
- 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.
- ⊕-15. PRODUCTION OF STRIP FOR JACKET USE: E=A+B+C.
- FOR STRIPPED AND TINNED OPTION, LEAVE THE STRIPPED JACKET ON THE CABLE TO PREVENT THE BRAID FROM DAMAGE, 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

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

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)

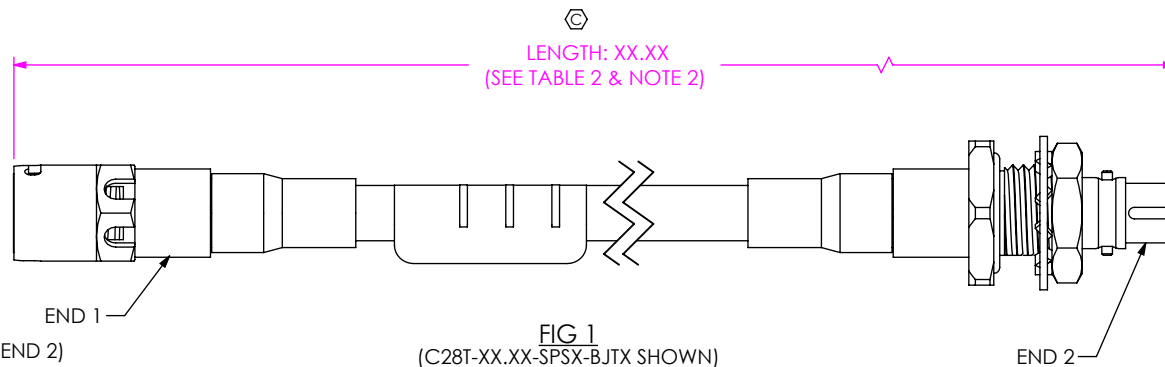
END 2 CONNECTOR OR PREPARATION

- 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

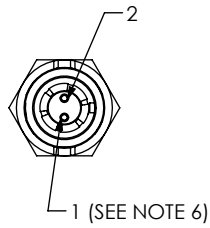


**pb THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING**

F:\DWG\MISC\MKTG\C28X-XX.XX-XXXX-XXXXXX-MKT.SLDDRW

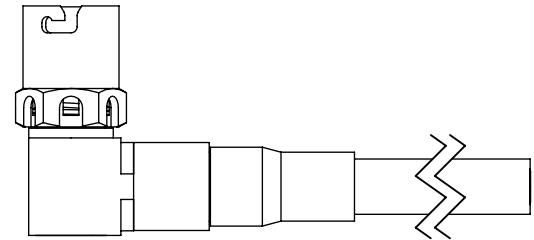
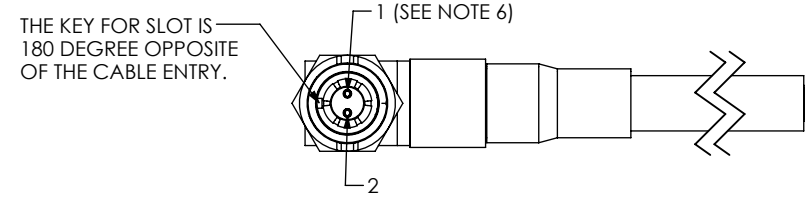
<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [MILLIMETERS].</p> <p>TOLERANCES ARE:</p> <table border="0"> <tr> <td>DECIMALS</td> <td>ANGLES</td> </tr> <tr> <td>.XX: ±.01 [0.3]</td> <td>2°</td> </tr> <tr> <td>.XXX: ±.005 [0.13]</td> <td></td> </tr> <tr> <td>.XXXX: ±.0020 [0.051]</td> <td></td> </tr> </table>	DECIMALS	ANGLES	.XX: ±.01 [0.3]	2°	.XXX: ±.005 [0.13]		.XXXX: ±.0020 [0.051]		<p>PROPRIETARY NOTE</p> <p>THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.</p>	<p><b>samtec</b></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>
	DECIMALS	ANGLES								
.XX: ±.01 [0.3]	2°									
.XXX: ±.005 [0.13]										
.XXXX: ±.0020 [0.051]										
<p>MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1</p> <p>PINS, OUTER CONTACTS: PHOS BRONZE SOCKETS: BERYLLIUM COPPER SHELLS, NUTS, WASHERS: BRASS DIELECTRIC: PTFE GASKETS: RUBBER</p>	<p>DESCRIPTION: 28 AWG CIRCULAR TWINAX CABLE ASSEMBLY</p> <p>DWG. NO. C28X-XX.XX-XXXX-XXXXXX</p> <p>BY: ALVIN W 12/03/2010 SHEET 1 OF 2</p>									

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



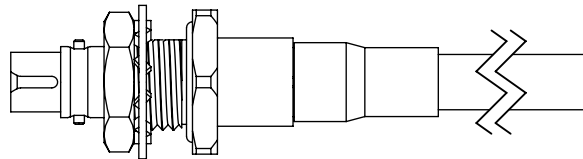
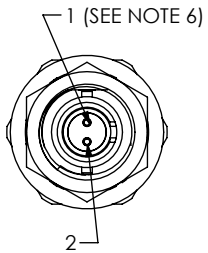
PLATING	CPT-S-C-XX-ST-C13
8	-HH

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



PLATING	CPT-S-C-XX-RA-C13
8	-HH

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



PLATING	CJT-T-C-XX-ST-B13
8	-HH

**RECOMMENDED MOUNTING HOLE**

2.66[.105] MAX PANEL THICKNESS

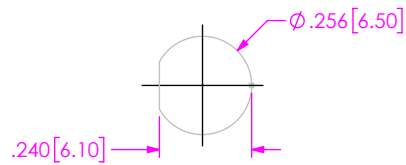
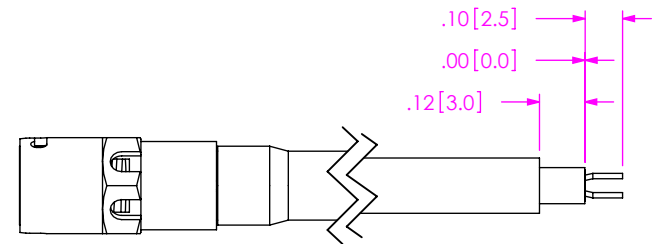


FIG 6  
(C28T-XX.XX-SPSX-100012 SHOWN)



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SHEET SCALE: 2:1



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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 2 OF 2

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