

# REVISION AK

NOTES:

1. HIDDEN LINES ARE USED TO SHOW POLARIZATION WHEN USING -N OPTION.
2.  REPRESENTS A CRITICAL DIMENSION.
3. AS OF REV 'C' ON TCB-50 CABLE ASSEMBLIES WILL BE LEAD FREE.
4. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
5. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 800V.
6. STRAIN RELIEF TO WITHSTAND 5LB STRAIGHT PULL.
7. WHEN CUTTING CABLE TO LENGTH, CONDUCTORS MAY NOT EXTEND PAST THE CABLE INSULATION. **[AK]**

DO NOT  
SCALE FROM  
THIS PRINT

TCSD-XX-X-XX.XX-01-XXX-XXX

No OF POSITIONS

03, 04, 05, 07, 08, 10, 12,  
13, 15, 17, 20, 22, 25  
NOTE: OTHER POSITIONS  
AVAILABLE AS ASO. TOOL  
IS CAPABLE OF POSITIONS 2-25

OPTIONS #2  
SEE OPTIONS BELOW

OPTIONS #1  
SEE OPTIONS BELOW

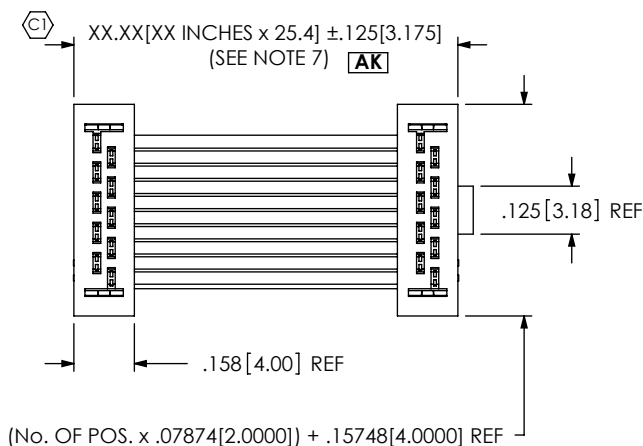
LEAD STYLE

END ASSEMBLY

-S: SINGLE  
-D: DOUBLE

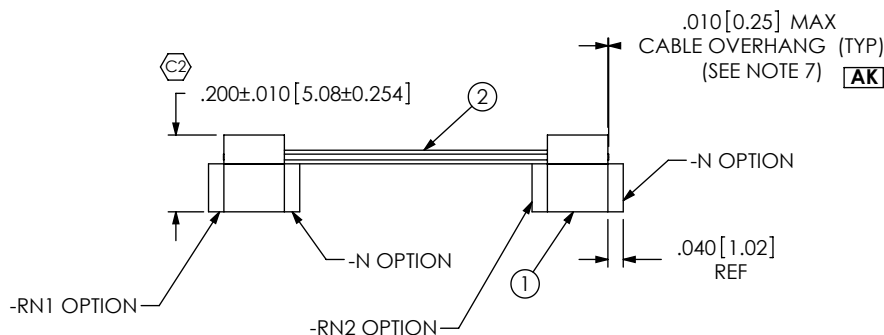
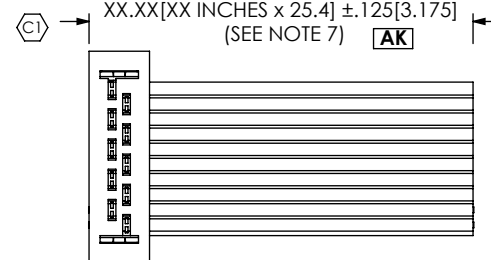
ASSEMBLY LENGTH  
(2 INCH MINIMUM)

-D: (DOUBLE END)



-S (SINGLE END)

(SAME AS -D UNLESS OTHERWISE STATED)  
XX.XX[XX INCHES x 25.4] ±.125[3.175]  
(SEE NOTE 7) **[AK]**



COLORED WIRE TO SIDE  
OF FIRST POS. INDICATOR  
\* COLORED WIRE MAY BE  
BLACK, BLUE, OR RED.

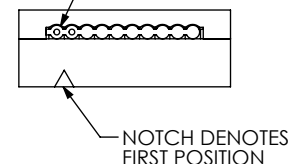
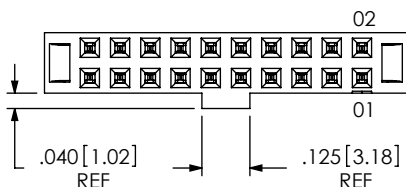


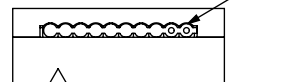
TABLE 1

| ITEM # | PART           |
|--------|----------------|
| 1      | TCSD-XX-XX-XXX |
| 2      | TCB-50         |
| 3      | TFB-XX-D-X     |
| 4      | TMSR-XX        |
| 5      | C-57-X         |
| 6      | TMC-XX-D       |

-N: NOTCH POLARIZATION  
(USE TCSD-XX-XX-N)  
(AVAILABLE ON POS 04 THRU 25)



-RW: REVERSE WIRING  
(NOT AVAILABLE WITH -RN1 OR -RN2 OPTIONS)  
COLORED WIRE TO OPPOSITE  
SIDE OF FIRST POS. INDICATOR



F:\DWG\MISC\MKTG\TCSD-XX-X-XX.XX-01-XXX-XXX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
.XX: ±.01 [.3] 2°  
.XXX: ±.005 [.13]  
.XXX: ±.0020 [.051]

## PROPRIETARY NOTE

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CONSENT OF SAMTEC, INC.

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1

INSULATOR: BLACK PBT  
CONTACT: HEAT TREATED BeCu  
STRAIN RELIEF: BLACK PBT

PLATING:  
-L: .000015 GOLD ON CONTACT AREA, TIN ON REMAINDER  
-F: .000003 GOLD ON CONTACT AREA, TIN ON REMAINDER  
(STANDARD PLATING IS .000030 GOLD ON CONTACT AREA,  
TIN ON REMAINDER)

**samtec**

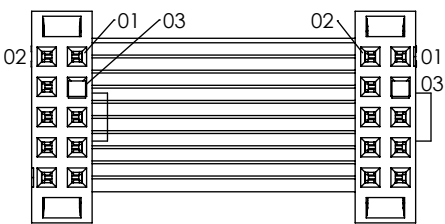
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
2MM DOUBLE ROW FEMALE IDC ASSEMBLY

DWG. NO.  
TCSD-XX-X-XX.XX-01-XXX-XXX

BY: B RAY 11/20/2007 SHEET 1 OF 3

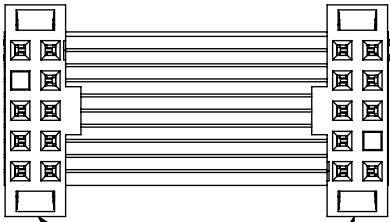
-P"XX": POLARIZED MATING



NOTE: THE SAME POSITION WILL BE POLARIZED ON BOTH ENDS (USE PK-07-N)

-RN1 OR -RN2  
(REVERSE POLARIZATION NOTCH)

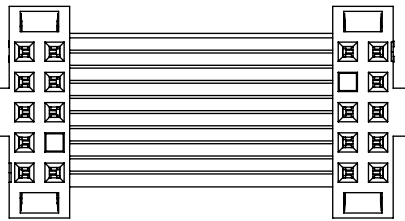
TCSD-05-D-XX-01-RN2 SHOWN



FIRST CONNECTOR

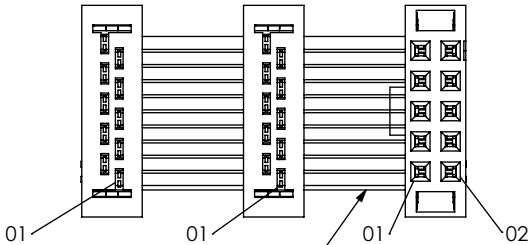
SECOND CONNECTOR

TCSD-05-D-XX-01-RN1 SHOWN



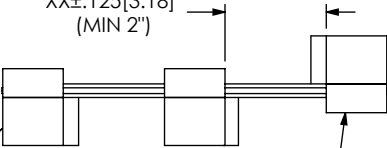
NOTE:  
-RN1 = REVERSE NOTCH ON 1ST CONNECTOR ONLY  
AVAILABLE FOR POSITIONS 4 OR GREATER  
(NOT AVAILABLE WITH -R OR -RW OPTIONS)  
-RN2 = REVERSE NOTCH ON 2ND CONNECTOR ONLY  
(NOT AVAILABLE WITH -R OR -RW OPTIONS)  
(REVERSE NOTCH NOT AVAILABLE WITH DAISY CHAIN OPTIONS)

-O: OUTSIDE REVERSED



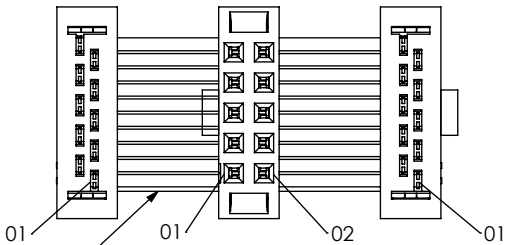
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR  
\* COLORED WIRE MAY BE BLACK, BLUE, OR RED.

XX±.125[3.18]  
(MIN 2")



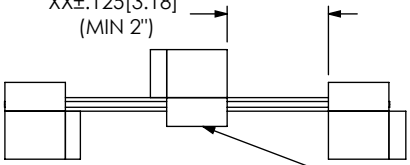
OUTSIDE SOCKET REVERSED WHEN DAISY CHAINED

-M: MIDDLE REVERSED



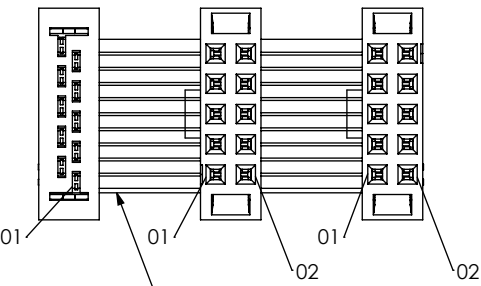
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XX±.125[3.18]  
(MIN 2")



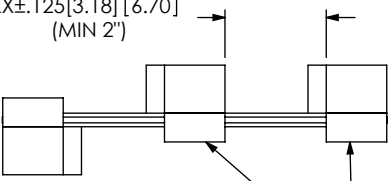
MIDDLE SOCKET REVERSED WHEN DAISY CHAINED

-R: REVERSE CONNECTOR  
(NOT AVAILABLE WITH -RNT OR -RN2 OPTION)



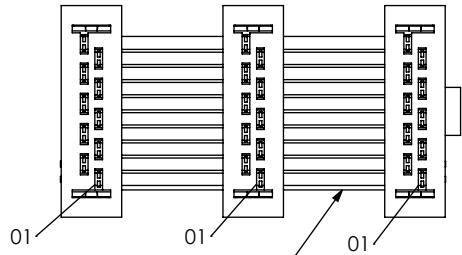
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR  
\* COLORED WIRE MAY BE BLACK, BLUE, OR RED.

XX±.125[3.18] [6.70]  
(MIN 2")



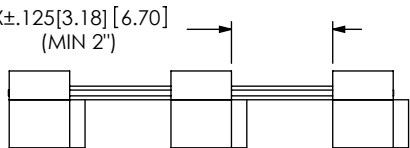
BOTH SOCKETS REVERSED WHEN DAISY CHAINED

-D"XX": DAISY CHAINED  
(2" MIN LENGTH, 1" INCREMENTS ONLY)



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XX±.125[3.18] [6.70]  
(MIN 2")



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SHEET SCALE: 2:1



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PHONE: 812-944-6733 FAX: 812-948-5047  
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DWG. NO.

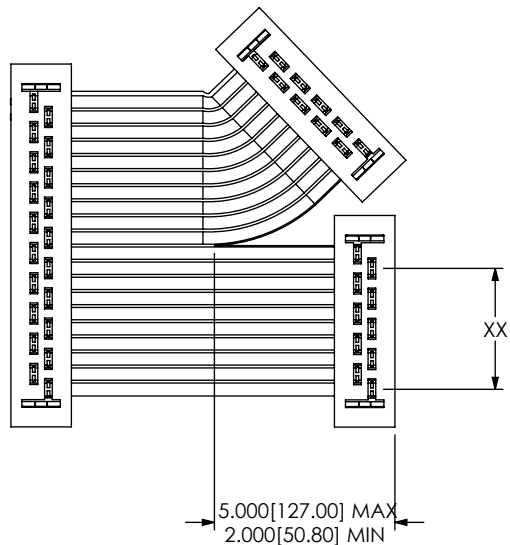
TCSD-XX-X-XX.XX-01-XXX-XXX

BY: B RAY

11/20/2007

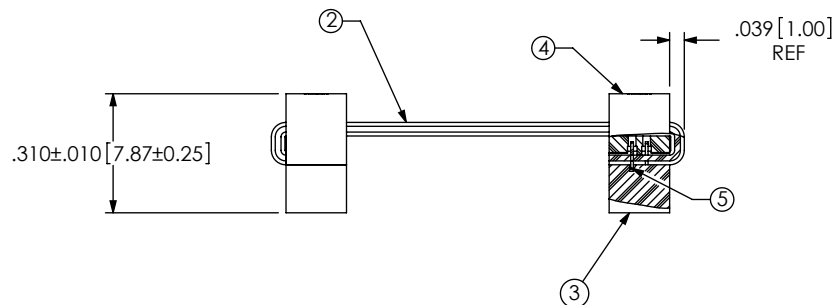
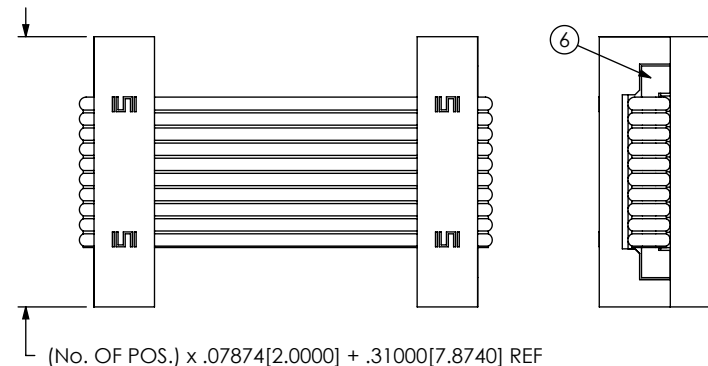
SHEET 2 OF 3

-B"XX": BREAKOUT OPTION

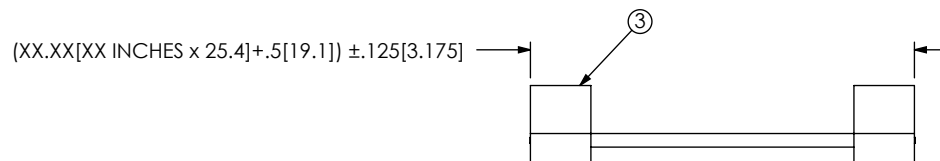


"XX" = NO. OF CONDUCTORS BROKEN OUT FROM THE FIRST POSITION.

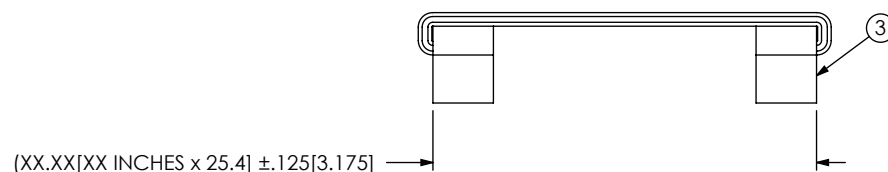
-SR: STRAIN RELIEF  
(NOT AVAILABLE WITH -O, -M, -R, -D"XX" OR -B"XX")  
(SAME AS -D, UNLESS OTHERWISE STATED)  
(SOLD IN ASSEMBLIES ONLY)  
(MUST USE HEAT BEND/STRAIN RELIEF TOOL ON POSITIONS 20-25)



IN-PROCESS 1  
(-SR ONLY)



IN-PROCESS 2  
(-SR ONLY)



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