

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

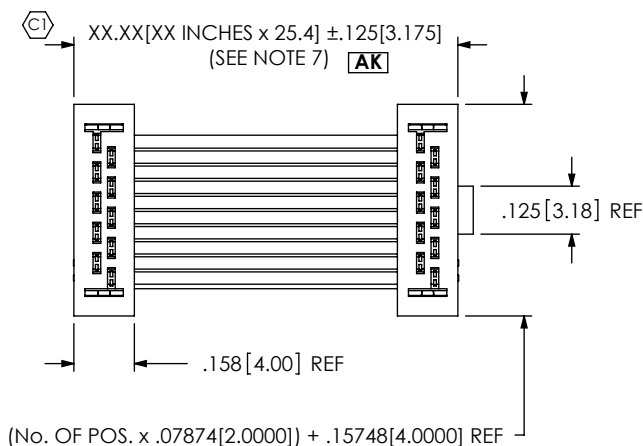
LEAD STYLE

ASSEMBLY LENGTH
(2 INCH MINIMUM)

END ASSEMBLY

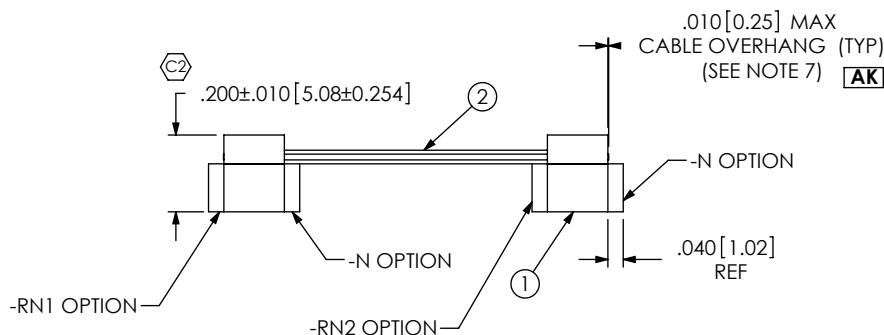
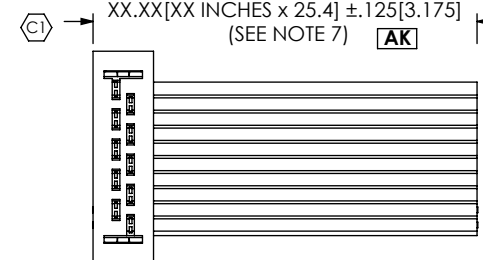
-S: SINGLE
-D: DOUBLE

-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.

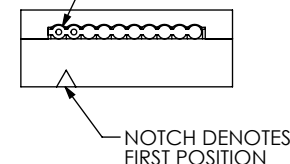
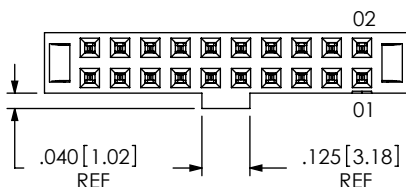


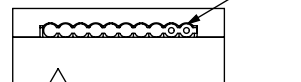
TABLE 1

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]

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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)

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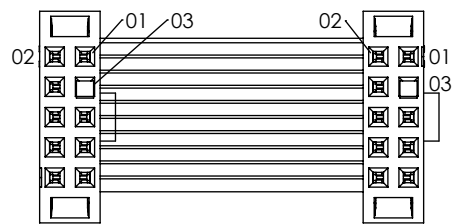
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

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

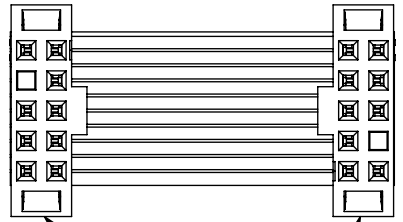
-P"XX": POLARIZED MATING



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

-RN1 OR -RN2
(REVERSE POLARIZATION NOTCH)

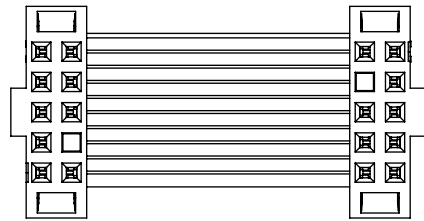
TCSD-05-D-XX-01-RN2 SHOWN



FIRST CONNECTOR

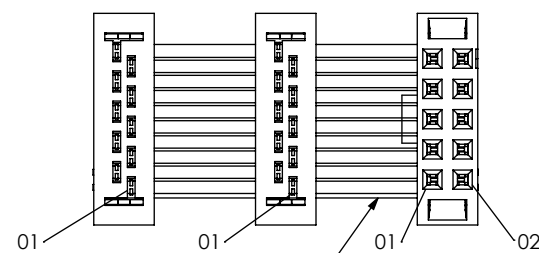
SECOND CONNECTOR

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



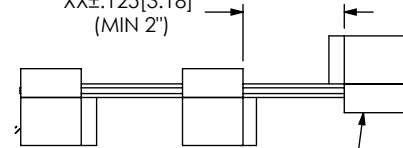
NOTE:
-RN1 = REVERSE NOTCH ON 1ST CONNECTOR ONLY
AVAILABLE FOR POSITIONS 4 OR GREATER
(NOT AVAILABLE WITH -R OR -RW OPTIONS)
-RN2 = REVERSE NOTCH ON 2ND CONNECTOR ONLY
(NOT AVAILABLE WITH -R OR -RW OPTIONS)
(REVERSE NOTCH NOT AVAILABLE WITH DAISY CHAIN OPTIONS)

-O: OUTSIDE REVERSED



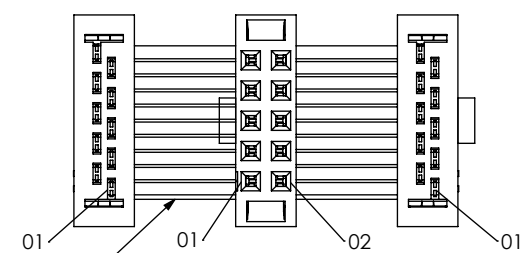
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
* COLORED WIRE MAY BE BLACK, BLUE, OR RED.

XX±.125[3.18]
(MIN 2")



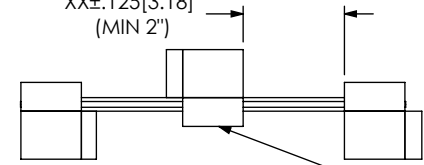
OUTSIDE SOCKET REVERSED WHEN DAISY CHAINED

-M: MIDDLE REVERSED



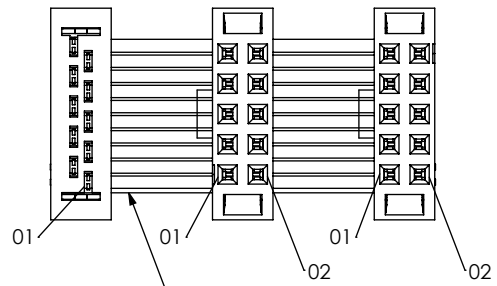
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
* COLORED WIRE MAY BE BLACK, BLUE, OR RED.

XX±.125[3.18]
(MIN 2")



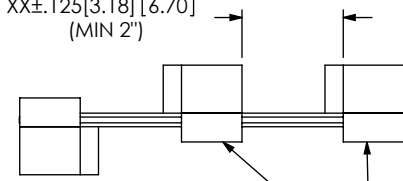
MIDDLE SOCKET REVERSED WHEN DAISY CHAINED

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



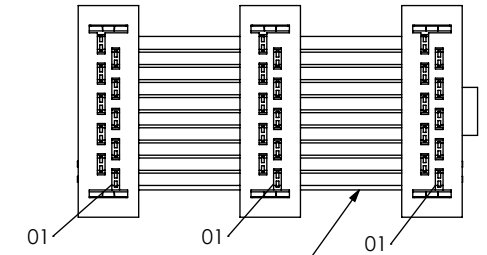
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
* COLORED WIRE MAY BE BLACK, BLUE, OR RED.

XX±.125[3.18] [6.70]
(MIN 2")



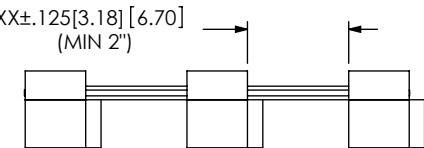
BOTH SOCKETS REVERSED WHEN DAISY CHAINED

-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



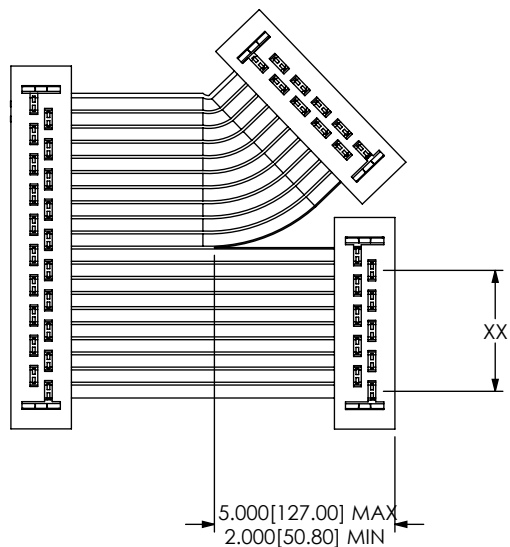
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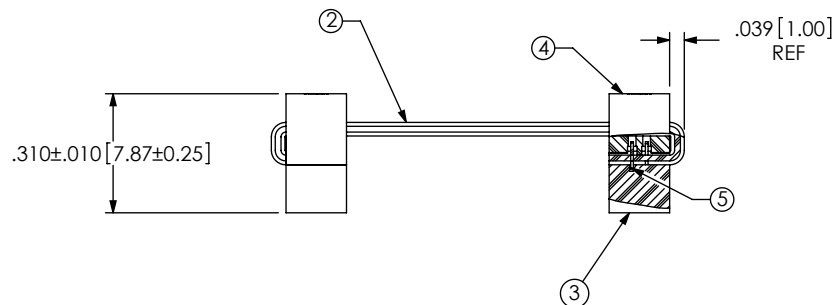
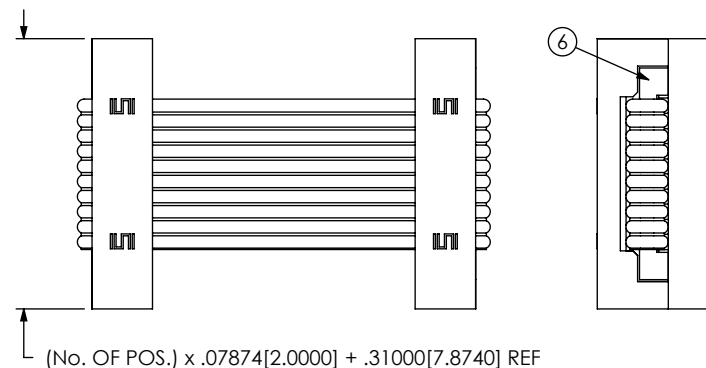
BY: B RAY 11/20/2007 SHEET 2 OF 3

-B"XX": BREAKOUT OPTION

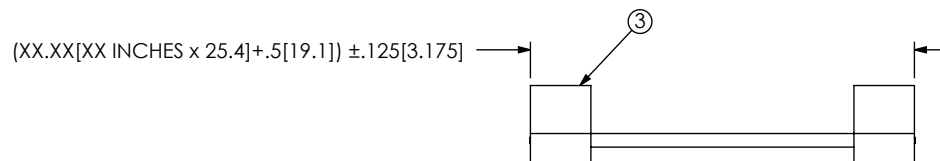


"XX" = NO. OF CONDUCTORS BROKEN OUT FROM THE FIRST POSITION.

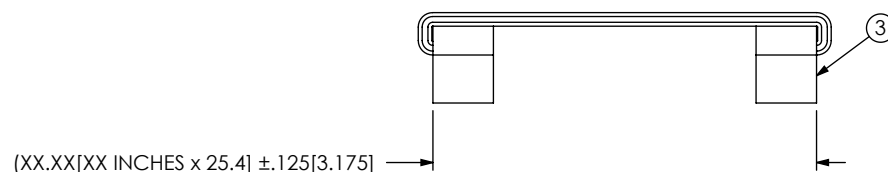
-SR: STRAIN RELIEF
(NOT AVAILABLE WITH -O, -M, -R, -D"XX" OR -B"XX")
(SAME AS -D, UNLESS OTHERWISE STATED)
(SOLD IN ASSEMBLIES ONLY)
(MUST USE HEAT BEND/STRAIN RELIEF TOOL ON POSITIONS 20-25)



IN-PROCESS 1
(-SR ONLY)



IN-PROCESS 2
(-SR ONLY)



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