

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

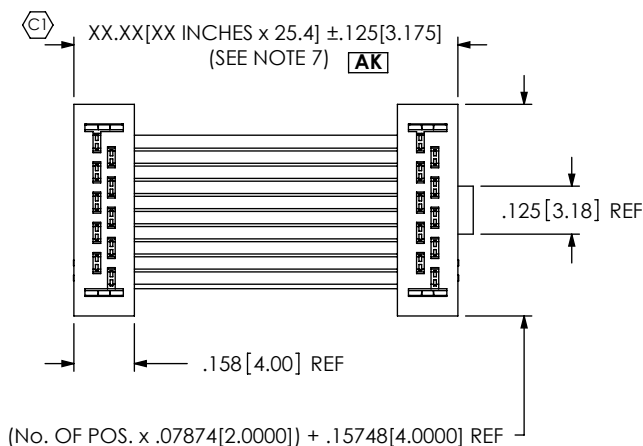
LEAD STYLE

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]**

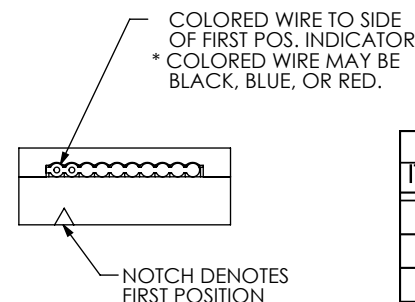
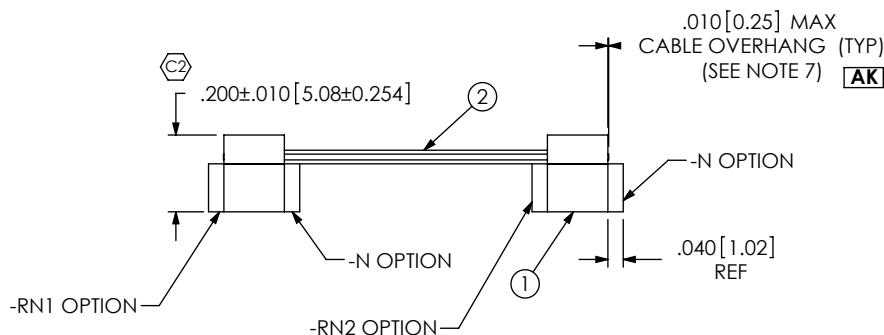
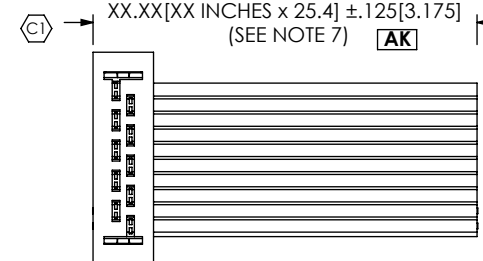
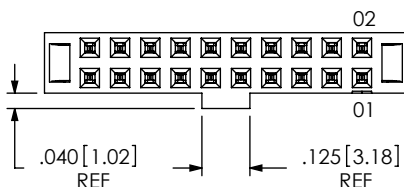


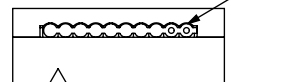
TABLE 1

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

THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
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

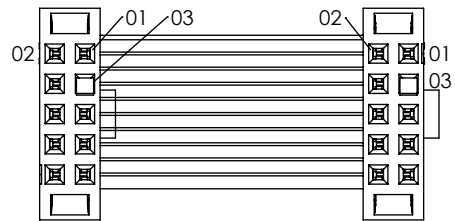
DESCRIPTION:
2MM DOUBLE ROW FEMALE IDC ASSEMBLY

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

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

REVISION AK

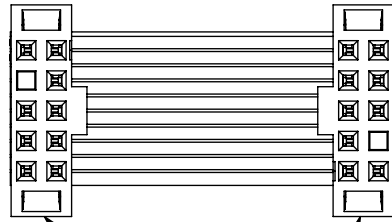
-P"XX": POLARIZED MATING



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

-RN1 OR -RN2 (REVERSE POLARIZATION NOTCH)

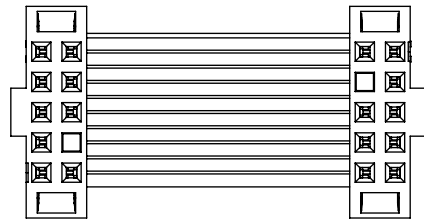
TCSD-05-D-XX-01-RN2 SHOWN



FIRST CONNECTOR

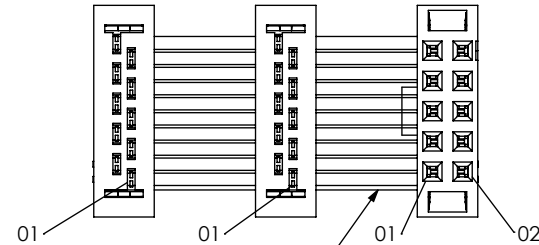
SECOND CONNECTOR

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



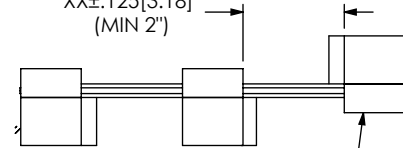
NOTE:
-RN1 = REVERSE NOTCH ON 1ST CONNECTOR ONLY
AVAILABLE FOR POSITIONS 4 OR GREATER
(NOT AVAILABLE WITH -R OR -RW OPTIONS)
-RN2 = REVERSE NOTCH ON 2ND CONNECTOR ONLY
(NOT AVAILABLE WITH -R OR -RW OPTIONS)
(REVERSE NOTCH NOT AVAILABLE WITH DAISY CHAIN OPTIONS)

-O: OUTSIDE REVERSED



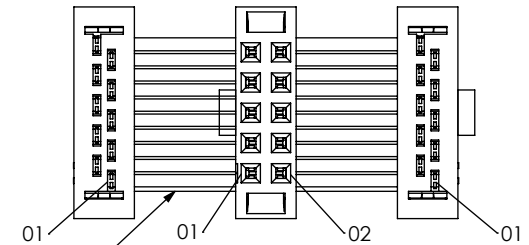
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
* COLORED WIRE MAY BE BLACK, BLUE, OR RED.

XX±.125[3.18]
(MIN 2")



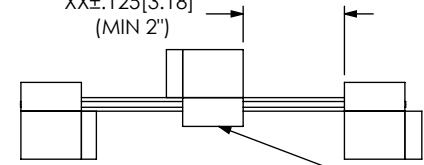
OUTSIDE SOCKET REVERSED WHEN DAISY CHAINED

-M: MIDDLE REVERSED



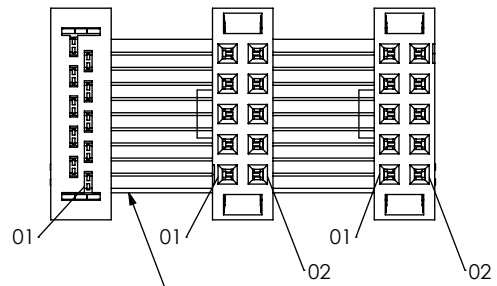
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
* COLORED WIRE MAY BE BLACK, BLUE, OR RED.

XX±.125[3.18]
(MIN 2")



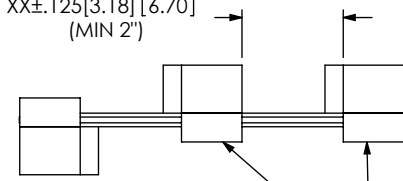
MIDDLE SOCKET REVERSED WHEN DAISY CHAINED

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



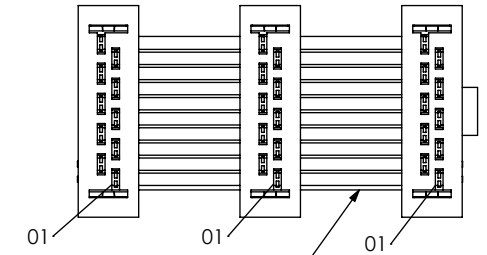
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
* COLORED WIRE MAY BE BLACK, BLUE, OR RED.

XX±.125[3.18] [6.70]
(MIN 2")



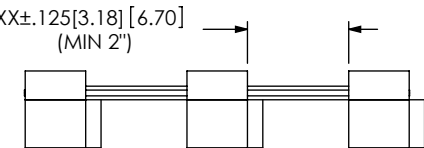
BOTH SOCKETS REVERSED WHEN DAISY CHAINED

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



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

XX±.125[3.18] [6.70]
(MIN 2")



PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

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.

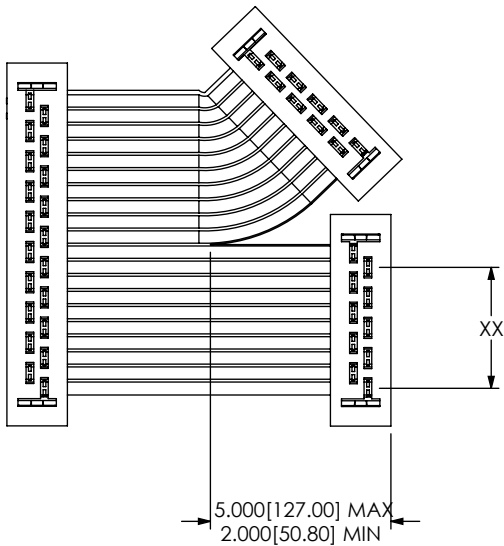
TCSD-XX-X-XX.XX-01-XXX-XXX

BY: B RAY

11/20/2007

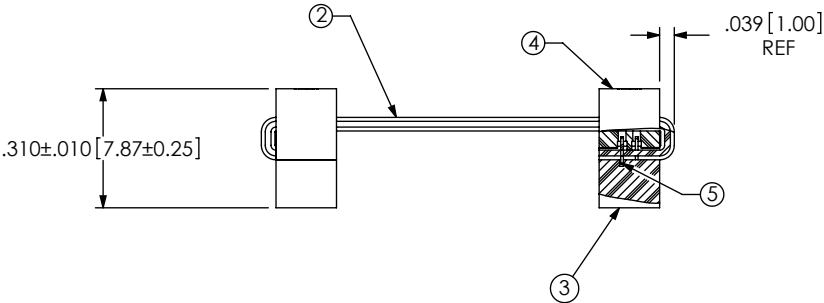
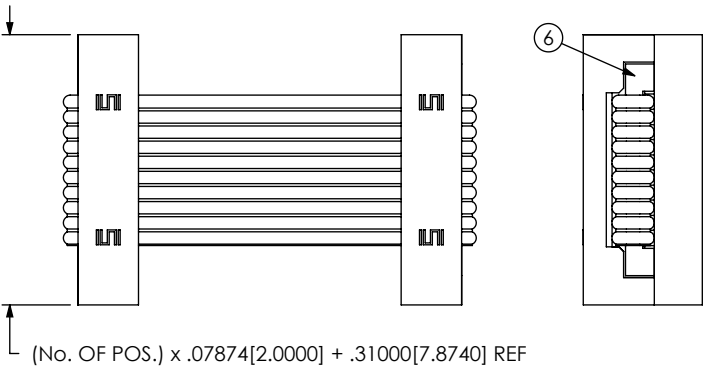
SHEET 2 OF 3

-B"XX": BREAKOUT OPTION

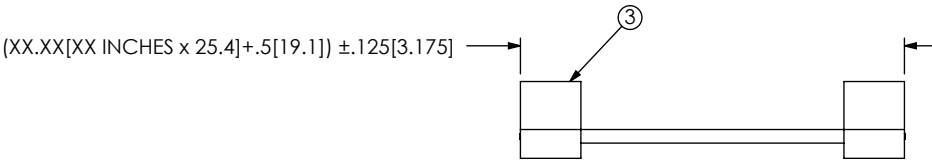


"XX" = NO. OF CONDUCTORS BROKEN OUT FROM THE FIRST POSITION.

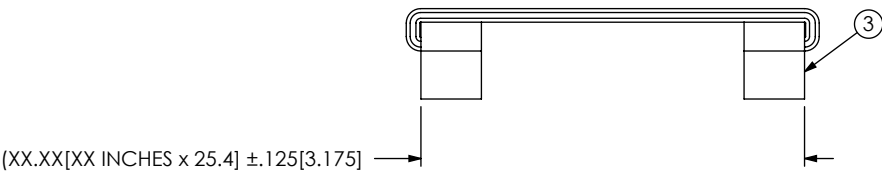
-SR: STRAIN RELIEF
(NOT AVAILABLE WITH -O, -M, -R, -D"XX" OR -B"XX")
(SAME AS -D, UNLESS OTHERWISE STATED)
(SOLD IN ASSEMBLIES ONLY)
(MUST USE HEAT BEND/STRAIN RELIEF TOOL ON POSITIONS 20-25)



IN-PROCESS 1
(-SR ONLY)



IN-PROCESS 2
(-SR ONLY)



PROPRIETARY NOTE
THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

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 3 OF 3