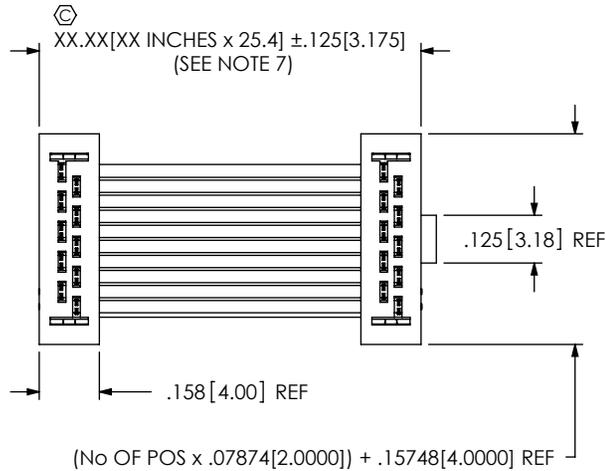


NOTES:

- HIDDEN LINES ARE USED TO SHOW POLARIZATION WHEN USING -N OPTION.
- ⊗ REPRESENTS A CRITICAL DIMENSION.
- AS OF REV 'C' ON TCB-50 CABLE ASSEMBLIES WILL BE LEAD FREE.
- ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
- ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 800V.
- STRAIN RELIEF TO WITHSTAND 5LB STRAIGHT PULL.
- WHEN CUTTING CABLE TO LENGTH, CONDUCTORS MAY NOT EXTEND PAST THE CABLE INSULATION.
- REFERENCE TCSD-XX-XX-X-XXX PRINT FOR CONNECTOR ASSEMBLY AND ITS REQUIREMENTS.

-D: (DOUBLE END)



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

PLATING OPTION
 -F: FLASH SELECTIVE GOLD, MATTE TIN TAIL
 -L: LIGHT SELECTIVE GOLD, MATTE TIN TAIL
 (LEAVE BLANK FOR STANDARD -S:
 SELECTIVE PLATING)

END ASSEMBLY

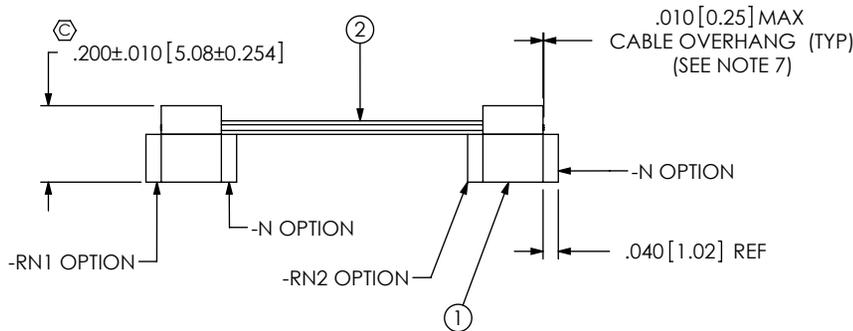
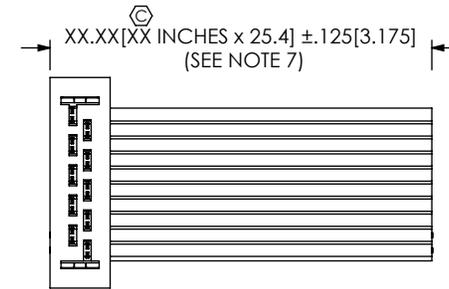
-S: SINGLE
 -D: DOUBLE

ASSEMBLY LENGTH
 (2 INCH MINIMUM)

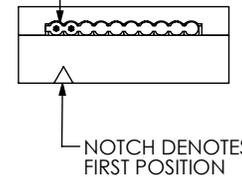
LEAD STYLE

DO NOT
 SCALE FROM
 THIS PRINT

-S (SINGLE END)
 (SAME AS -D UNLESS OTHERWISE STATED)

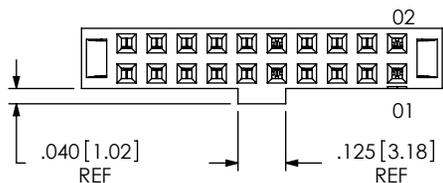


COLORED WIRE TO SIDE
 OF FIRST POS. INDICATOR
 * COLORED WIRE MAY BE
 BLACK, BLUE, OR RED.



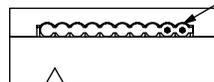
NOTCH DENOTES
 FIRST POSITION

TABLE 1	
ITEM #	PART
1	TCSD-XX-XX-XXX
2	TCB-50
3	TFB-XX-D-XX-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-X-XXX-XXX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED,
 DIMENSIONS ARE IN INCHES.
 TOLERANCES ARE:
 DECIMALS ANGLES
 .XX: ±.01 [.3] 2°
 .XXX: ±.005 [.13]
 .XXXX: ±.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.

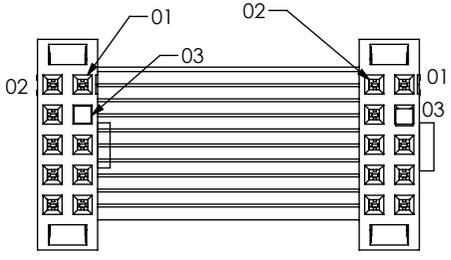
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
 INSULATOR: BLACK PBT
 CONTACT: HEAT TREATED BeCu
 STRAIN RELIEF: BLACK PBT
 WIRE: 28 AWG, 7/36, TINNED, COPPER WITH PVC INSULATOR
PLATING:
 -L: .000015 GOLD ON CONTACT AREA, TIN ON REMAINDER
 -F: .000003 GOLD ON CONTACT AREA, TIN ON REMAINDER
 (STANDARD PLATING IS .000030 GOLD ON CONTACT AREA, TIN ON REMAINDER)



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

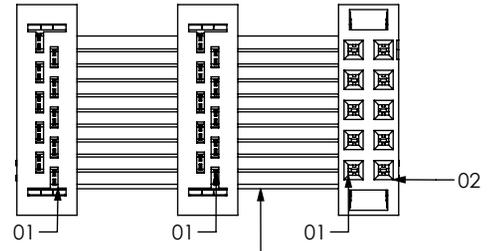
DESCRIPTION:
2MM DOUBLE ROW FEMALE IDC ASSEMBLY
 DWG. NO.
TCSD-XX-X-XX.XX-01-X-XXX-XXX
 BY: B RAY 11/20/2007 SHEET 1 OF 3

-P"XX": POLARIZED MATING

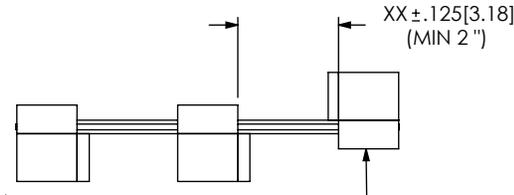


NOTE: THE SAME POSITION WILL BE POLARIZED ON BOTH ENDS (USE PK-07-N)

-O: OUTSIDE REVERSED

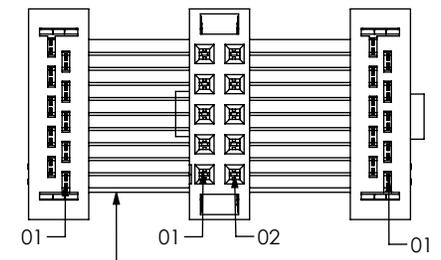


COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
* COLORED WIRE MAY BE BLACK, BLUE, OR RED.

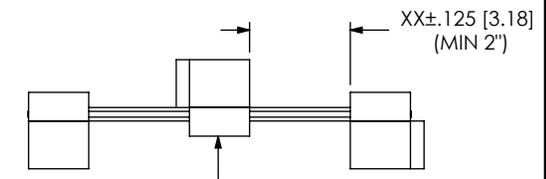


OUTSIDE SOCKET REVERSED WHEN DAISY CHAINED

-M: MIDDLE REVERSED



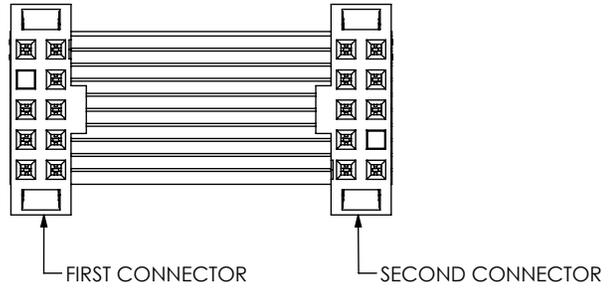
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
* COLORED WIRE MAY BE BLACK, BLUE, OR RED.



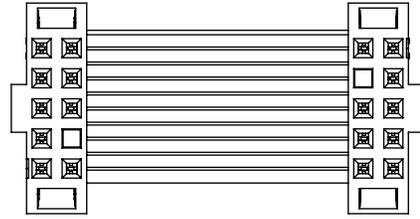
MIDDLE SOCKET REVERSED WHEN DAISY CHAINED

-RN1 OR -RN2 (REVERSE POLARIZATION NOTCH)

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

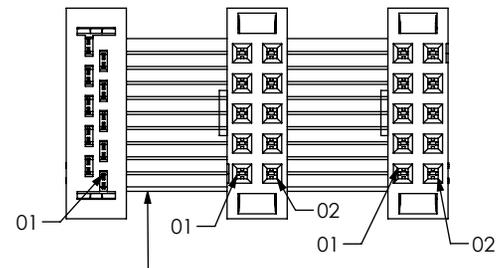


TCSD-05-D-XX-01-RN1 SHOWN

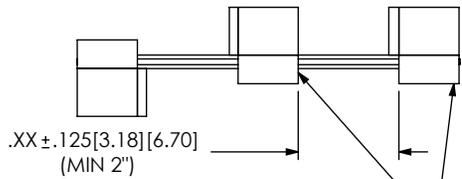


NOTE:
-RN1 = REVERSE NOTCH ON 1ST CONNECTOR ONLY AVAILABLE FOR POSITIONS 4 OR GREATER (NOT AVAILABLE WITH -R OR -RW OPTIONS)
-RN2 = REVERSE NOTCH ON 2ND CONNECTOR ONLY (NOT AVAILABLE WITH -R OR -RW OPTIONS) (REVERSE NOTCH NOT AVAILABLE WITH DAISY CHAIN OPTIONS)

-R: REVERSE CONNECTOR (NOT AVAILABLE WITH -RN1 OR -RN2 OPTION)

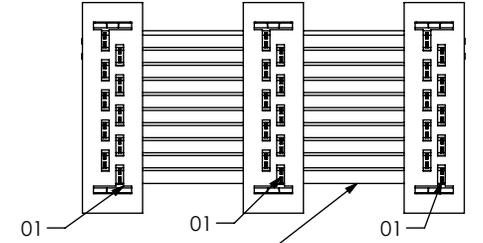


COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
* COLORED WIRE MAY BE BLACK, BLUE, OR RED.

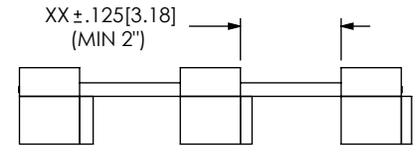


BOTH SOCKETS REVERSED WHEN DAISY CHAINED

-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.



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



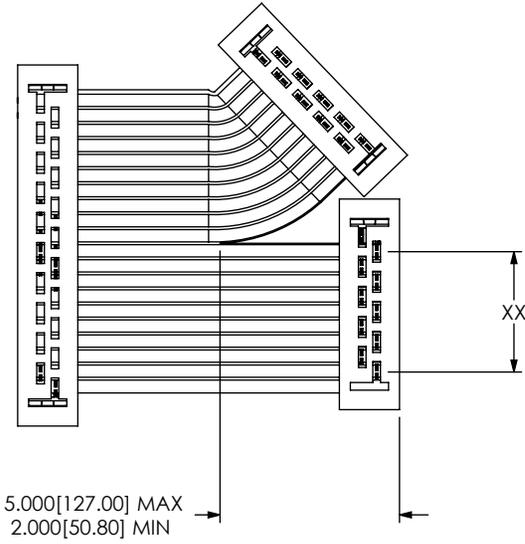
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
2MM DOUBLE ROW FEMALE IDC ASSEMBLY
DWG. NO.

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

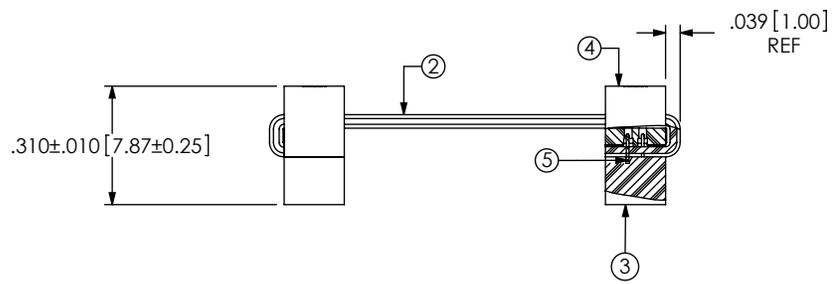
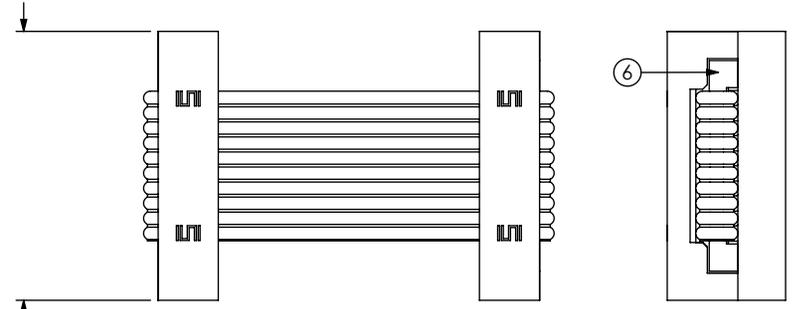
BY: B RAY 11/20/2007 SHEET 2 OF 3

-B"XX": BREAKOUT OPTION

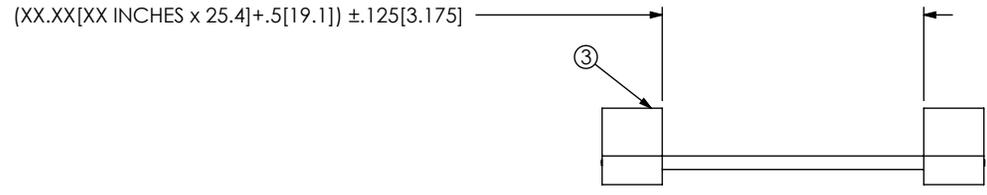


"XX" = NO. OF CONDUCTORS BROKEN OUT FROM THE FIRST POSITION.

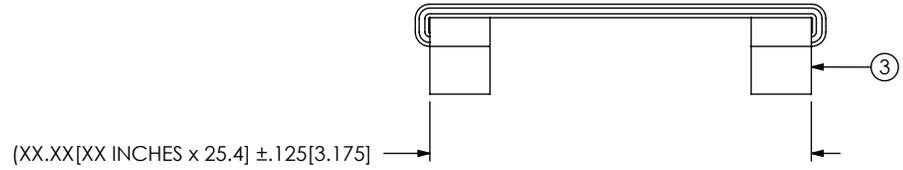
-SR: STRAIN RELIEF
 (NOT AVAILABLE WITH -O, -M, -R, -D"XX" OR -B"XX")
 (SAME AS -D, UNLESS OTHERWISE STATED)
 (SOLD IN ASSEMBLIES ONLY)
 (MUST USE HEAT BEND/STRAIN RELIEF TOOL ON POSITIONS 20-25)



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-X-XXX-XXX
 BY: B RAY 11/20/2007 SHEET 3 OF 3