

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

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

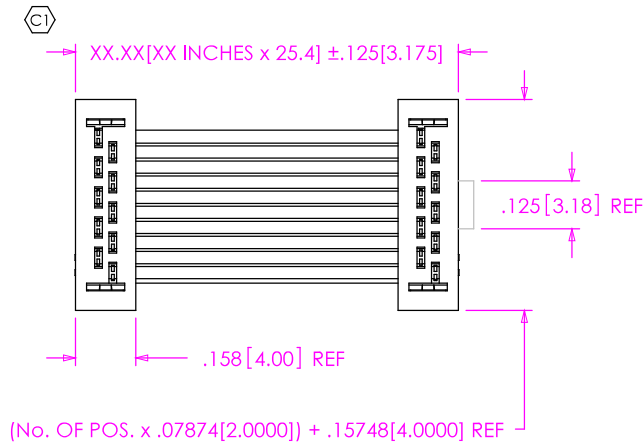
LEAD STYLE

END ASSEMBLY

-S: SINGLE
 -D: DOUBLE

ASSEMBLY LENGTH
 (2 INCH MINIMUM)

-D: (DOUBLE END)



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

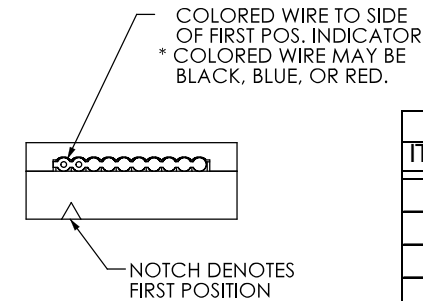
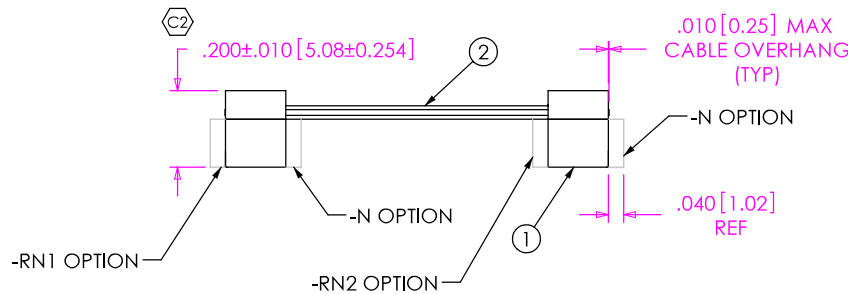
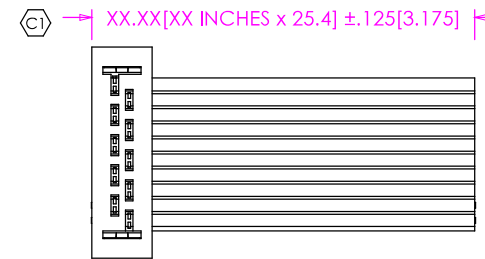
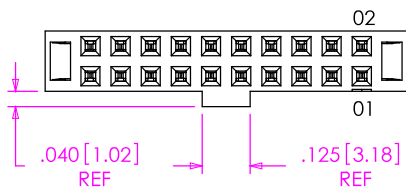
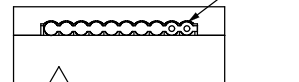


TABLE 1	
ITEM #	PART
1	TCSD-XX-XX-XXX
2	TCB-50
3	TFB-XX-D-X
4	TMSR-XX
5	C-57-X

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



-RW: REVERSE WIRING
 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]
 .XXXX: ±.0020 [.051]

PROPRIETARY NOTE

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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)



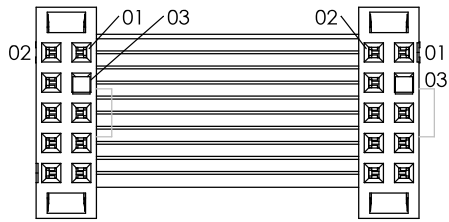
520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 53322

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

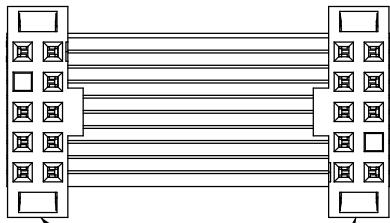
-P"XX": POLARIZED MATING



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

-RN1 OR -RN2
(REVERSE POLARIZATION NOTCH)

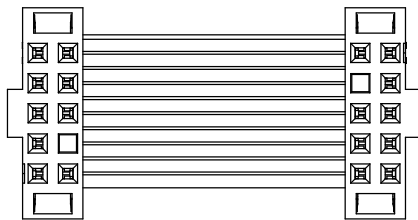
TCSD-05-D-XX-01-RN2 SHOWN



FIRST CONNECTOR

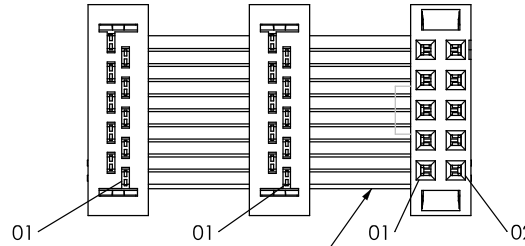
SECOND CONNECTOR

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



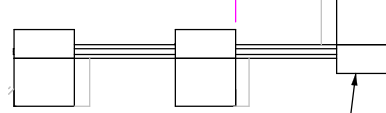
NOTE:
 -RN1 = REVERSE NOTCH ON 1ST CONNECTOR ONLY
 (NOT AVAILABLE WITH -R OPTION)
 -RN2 = REVERSE NOTCH ON 2ND CONNECTOR ONLY
 (NOT AVAILABLE WITH -R OPTION)
 (REVERSE NOTCH NOT AVAILABLE WITH DAISY CHAIN OPTIONS)

-O: OUTSIDE REVERSED



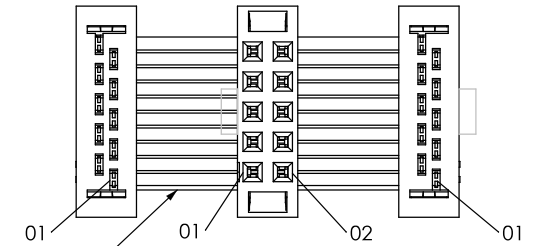
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
 * COLORED WIRE MAY BE BLACK, BLUE, OR RED.

$XX \pm .125[3.18]$
(MIN 2")



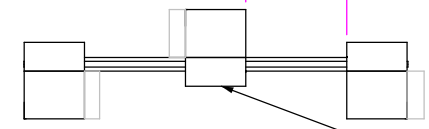
OUTSIDE SOCKET REVERSED WHEN DAISY CHAINED

-M: MIDDLE REVERSED



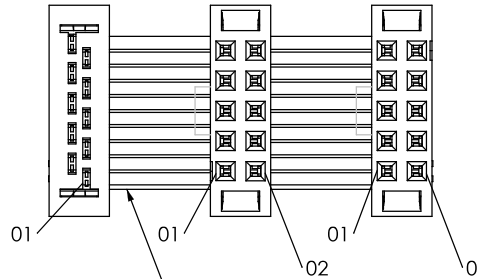
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
 * COLORED WIRE MAY BE BLACK, BLUE, OR RED.

$XX \pm .125[3.18]$
(MIN 2")



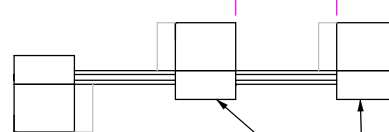
MIDDLE SOCKET REVERSED WHEN DAISY CHAINED

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



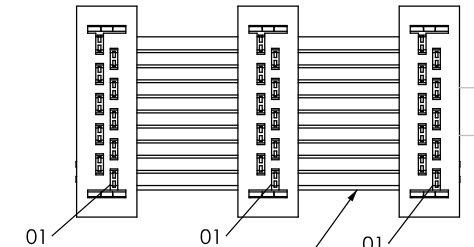
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
 * COLORED WIRE MAY BE BLACK, BLUE, OR RED.

$XX \pm .125[3.18] [6.70]$
(MIN 2")



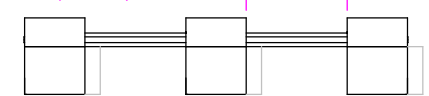
BOTH SOCKETS REVERSED WHEN DAISY CHAINED

-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.

$XX \pm .125[3.18] [6.70]$
(MIN 2")



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SHEET SCALE: 2:1



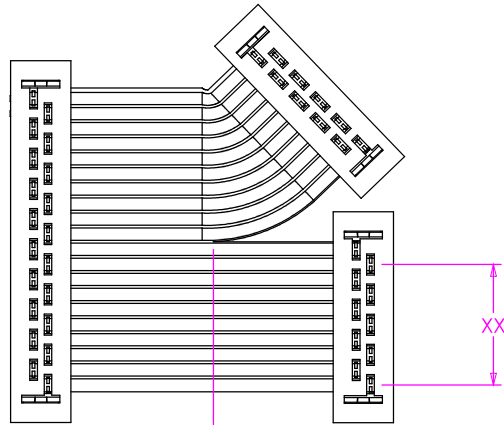
520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
 2MM DOUBLE ROW FEMALE IDC ASSEMBLY

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

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

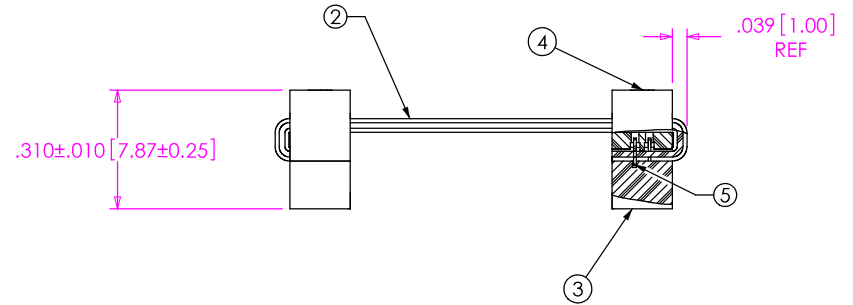
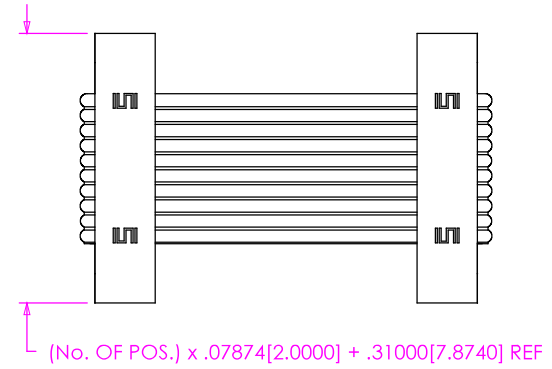
-B"XX": BREAKOUT OPTION



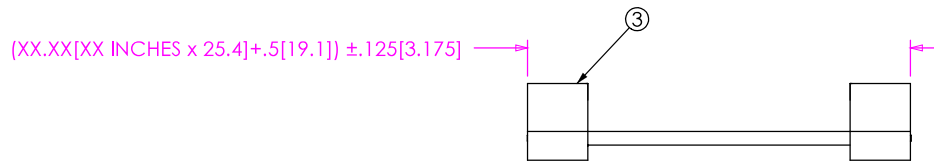
"XX" = NO. OF CONDUCTORS BROKEN OUT FROM THE FIRST POSITION.

-SR: STRAIN RELIEF
 (NOT AVAILABLE WITH -O, -M, -R, -D"XX" OR -B"XX")
 (SAME AS -D, UNLESS OTHERWISE STATED)
 (SOLD IN ASSEMBLIES ONLY)

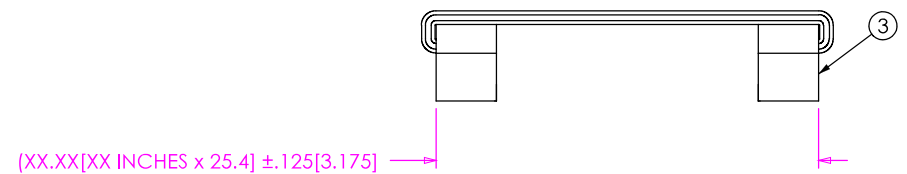
RELEASED ONLY FOR POSITIONS -02 THRU -20 FOR PRODUCTION.



IN-PROCESS 1
 (-SR ONLY)



IN-PROCESS 2
 (-SR ONLY)



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SHEET SCALE: 2:1



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