

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

DO NOT SCALE FROM THIS PRINT

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

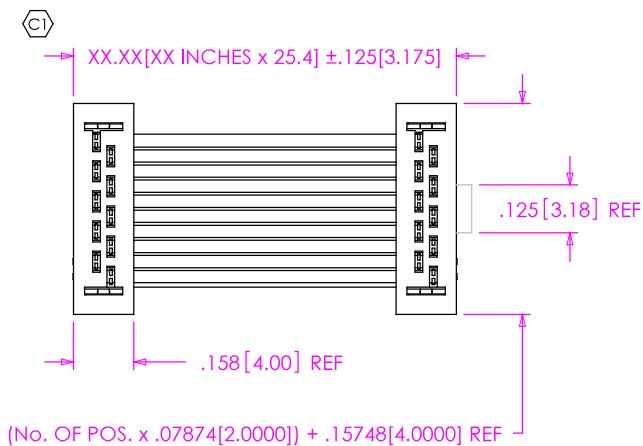
LEAD STYLE

END ASSEMBLY

-S: SINGLE
 -D: DOUBLE

ASSEMBLY LENGTH
 (2 INCH MINIMUM)

-D: (DOUBLE END)



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

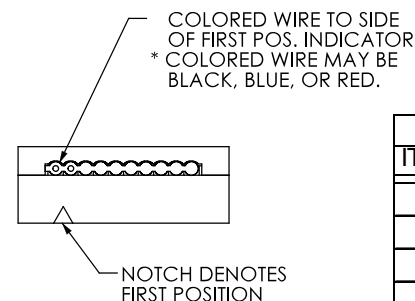
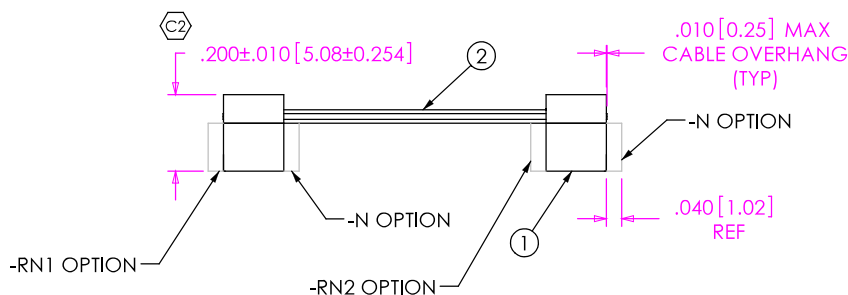
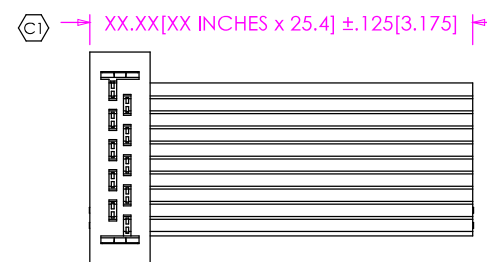
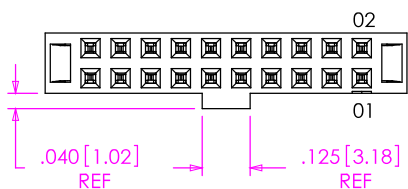
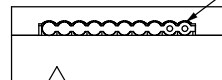


TABLE 1	
ITEM #	PART
1	TCSD-XX-XX-XXX
2	TCB-50
3	TFB-XX-D-X
4	TMSR-XX
5	C-57-X

-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



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)



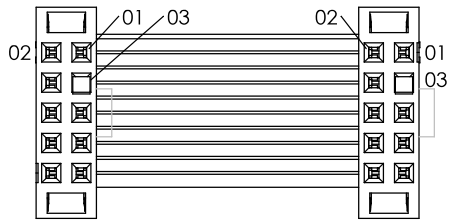
520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 53322

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

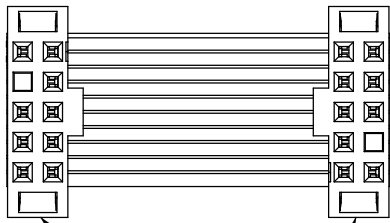
-P"XX": POLARIZED MATING



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

-RN1 OR -RN2
(REVERSE POLARIZATION NOTCH)

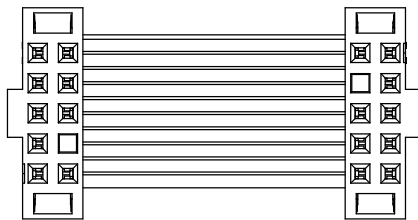
TCSD-05-D-XX-01-RN2 SHOWN



FIRST CONNECTOR

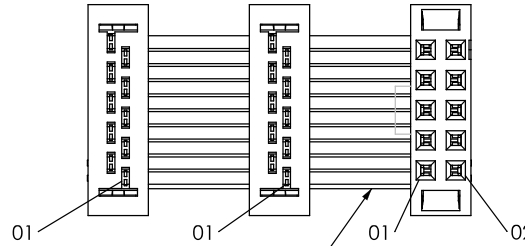
SECOND CONNECTOR

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



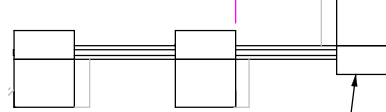
NOTE:
 -RN1 = REVERSE NOTCH ON 1ST CONNECTOR ONLY
 (NOT AVAILABLE WITH -R OPTION)
 -RN2 = REVERSE NOTCH ON 2ND CONNECTOR ONLY
 (NOT AVAILABLE WITH -R OPTION)
 (REVERSE NOTCH NOT AVAILABLE WITH DAISY CHAIN OPTIONS)

-O: OUTSIDE REVERSED



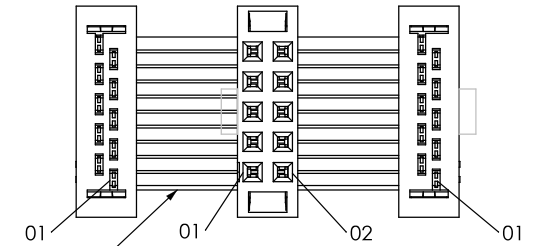
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
 * COLORED WIRE MAY BE BLACK, BLUE, OR RED.

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



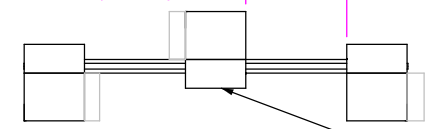
OUTSIDE SOCKET REVERSED WHEN DAISY CHAINED

-M: MIDDLE REVERSED



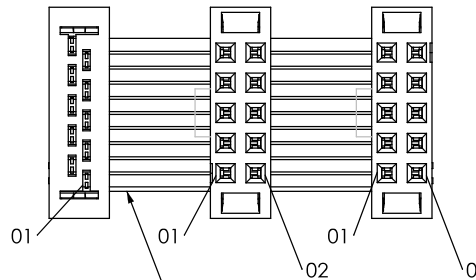
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
 * COLORED WIRE MAY BE BLACK, BLUE, OR RED.

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



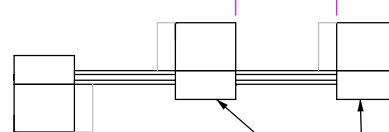
MIDDLE SOCKET REVERSED WHEN DAISY CHAINED

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



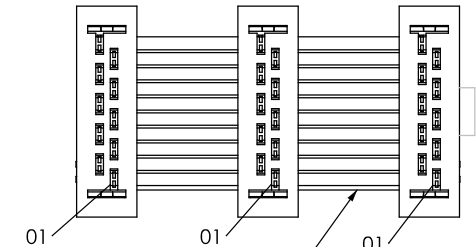
COLORED WIRE TO SIDE OF FIRST POS. INDICATOR
 * COLORED WIRE MAY BE BLACK, BLUE, OR RED.

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



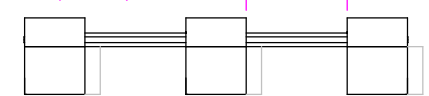
BOTH SOCKETS REVERSED WHEN DAISY CHAINED

-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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DO NOT SCALE DRAWING

SHEET SCALE: 2:1



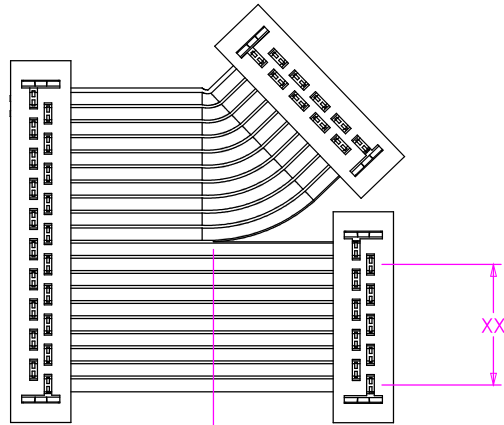
520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
 2MM DOUBLE ROW FEMALE IDC ASSEMBLY

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

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

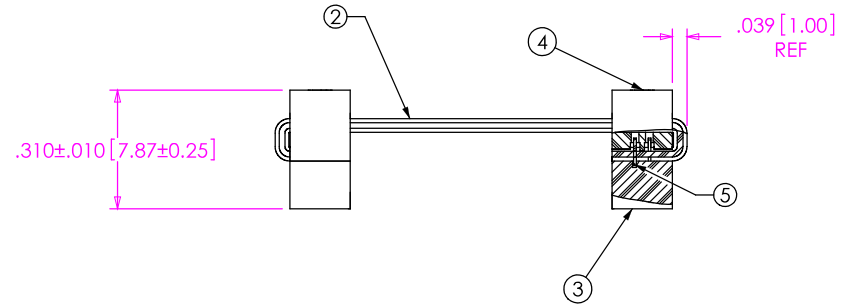
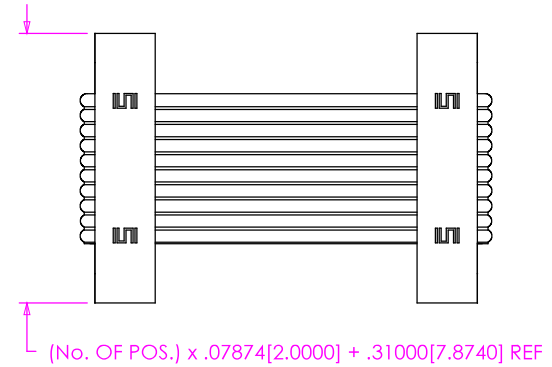
-B"XX": BREAKOUT OPTION



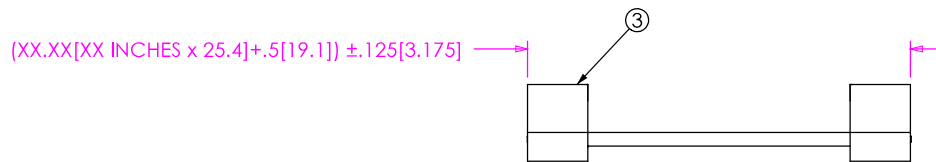
"XX" = NO. OF CONDUCTORS BROKEN OUT FROM THE FIRST POSITION.

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

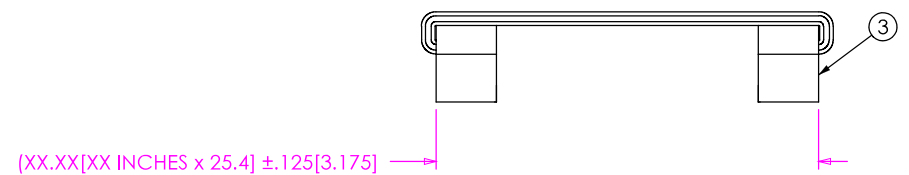
RELEASED ONLY FOR POSITIONS -02 THRU -20 FOR PRODUCTION.



IN-PROCESS 1
 (-SR ONLY)



IN-PROCESS 2
 (-SR ONLY)



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SHEET SCALE: 2:1



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DESCRIPTION:
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 TCSD-XX-X-XX.XX-01-XXX-XXX

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