

TCMD-XX-X-XX.XX-01-XX-XXX-XXX

No OF POSITIONS

-03,-04,-05,-08,-10,-12,  
-13,-15,-17,-20,-22,-25  
NOTE: OTHER POSITIONS  
AVAILABLE AS ASO. TOOL  
IS CAPABLE OF POSITIONS 2-25

OPTION

SEE SHEETS 2, 3 & 4

OPTION

SEE SHEETS 2, 3 & 4

OPTION

LEAVE BLANK FOR STANDARD

-F: FLASH GOLD PLATING  
(USE TCSD-XX-01-F)

-RF: FLASH GOLD PLATING  
(FOR DOUBLE AND SINGLE END USE T-1S14-01-F)  
(FOR TRANSFER END USE T-1S14-01-F & TCSD-XX-01-F)

LEAD STYLE

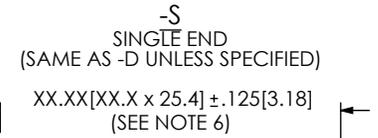
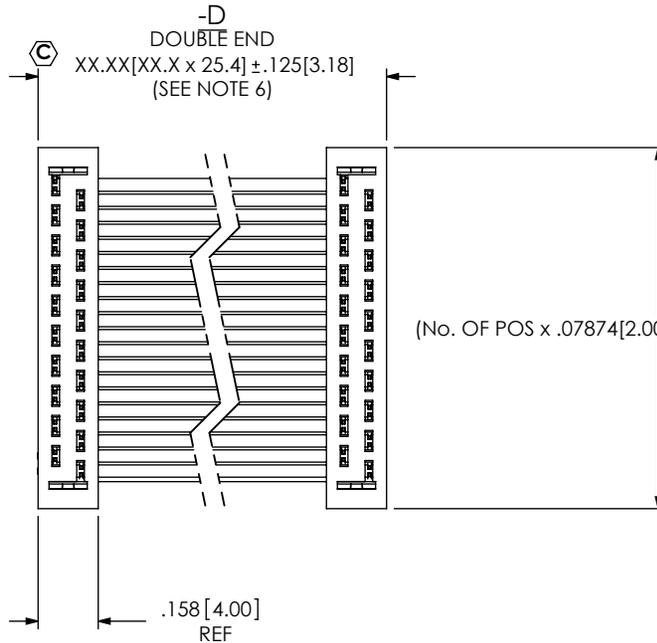
END ASSEMBLY

-D: DOUBLE END  
-S: SINGLE END  
-T: TRANSFER END

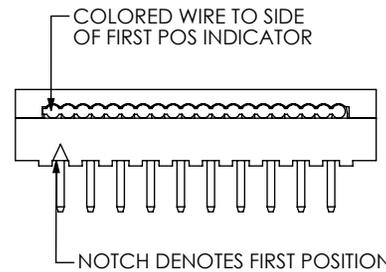
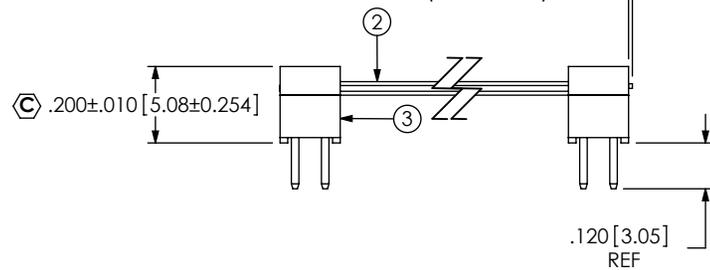
ASSEMBLY LENGTH  
(2 INCH MINIMUM)

$(\text{No. OF POS} \times .07874[2.0000]) + .15748[4.0000]$  REF

DO NOT  
SCALE FROM  
THIS PRINT



.010[0.25] MAX  
CABLE OVERHANG  
(SEE NOTE 6)



NOTES:

1. © REPRESENTS A CRITICAL DIMENSION.
2. AS OF REV C ON TCB-50 CABLE, ASSEMBLIES WILL BE LEAD FREE.
3. ALL ASSEMBLIES TO BE 100 % ELECTRONICALLY TESTED FOR SHORTS AND OPENS.
4. ALL ASSEMBLIES TO BE 100 % HI-POT TESTED AT 800V.
5. STRAIN RELIEF TO WITHSTAND 5LBS STRAIGHT PULL.
6. WHEN CUTTING CABLE TO LENGTH, CONDUCTORS MAY NOT EXTEND PAST THE CABLE INSULATION.
7. SEE TCMD-XX-XX-XX-XX (AND TCSD-XX-XX-X-X-XXX FOR -T END ASSEMBLY OPTION) PRINT FOR CONNECTOR ASSEMBLY INSTRUCTIONS AND ITS REQUIREMENTS.

| TABLE 1 |                |
|---------|----------------|
| ITEM #  | PART           |
| 1       | TCSD-XX-01-XXX |
| 2       | TCB-50         |
| 3       | TCMD-XX-01     |
| 4       | TCMD-XX-01-SR  |
| 5       | TMSR-XX        |
| 6       | TTC-XX-D       |
| 7       | T-1S14-XX-X    |

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
.XX: ±.01 [.3] 2°  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

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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: 5332

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1

INSULATOR: VALOX 420 SEO, COLOR: BLACK  
CONTACT: #25 BeCu 1/2 HARD, AGE HARDENED  
TERMINAL RELIEF: SPRING TEMPER PHOS BRONZE, ALLOY 510  
STRAIN RELIEF: CELANEX 3300, COLOR: BLACK  
WIRE: 28 AWG, 7/36, TINNED Cu, STRANDED WITH PVC  
INSULATOR

DESCRIPTION:  
2MM DOUBLE ROW MALE IDC CABLE ASSEMBLY

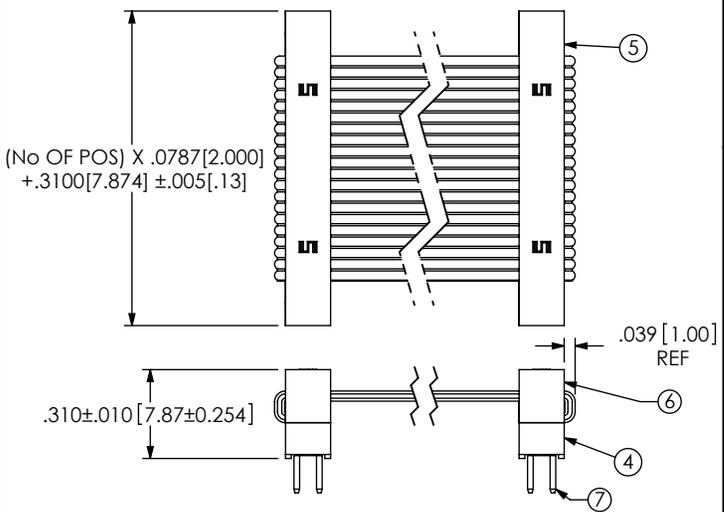
DWG. NO.  
TCMD-XX-X-XX.XX-01-XX-XXX-XXX

BY: B RAY 11/26/2007 SHEET 1 OF 4

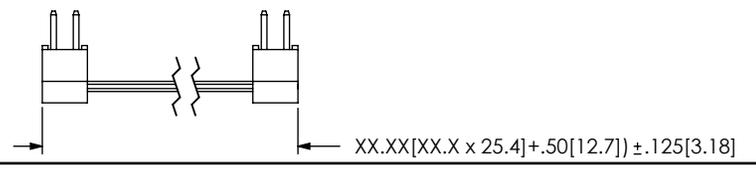
REVISION AD

-SR:  
STRAIN RELIEF

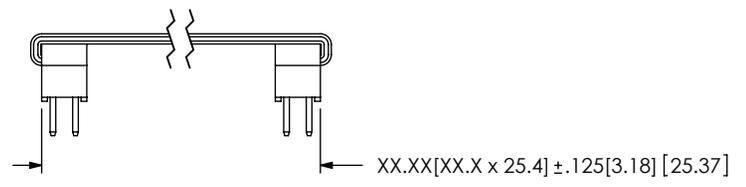
(NOT AVAILABLE WITH -O, -M, -R, -DXX, OR -BXX)  
(SOLD AS ASSEMBLIES ONLY)  
(SAME AS -D UNLESS SPECIFIED)  
(MUST USE HEAT BEND/STRAIN RELIEF TOOL ON POSITIONS 20-25)



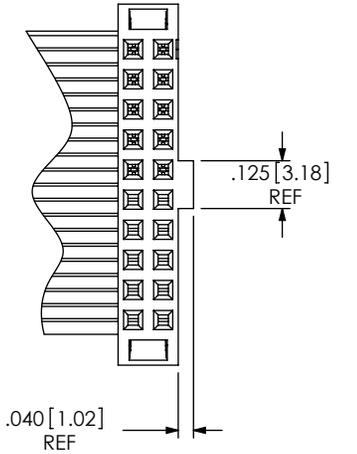
IN-PROCESS 1  
-SR ONLY



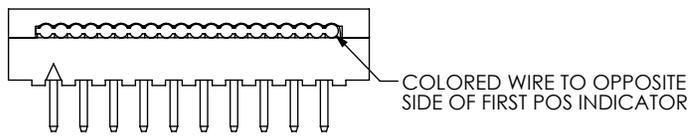
IN-PROCESS 2  
-SR ONLY



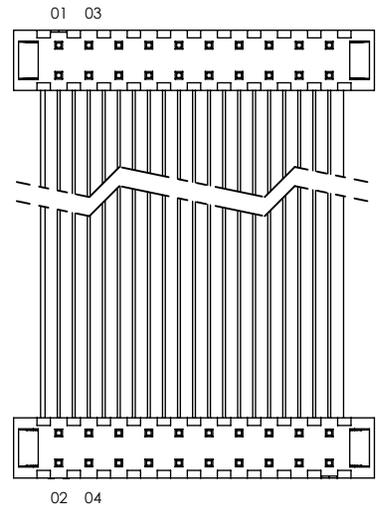
-N  
NOTCH POLARIZATION  
(FOR -T ONLY)  
(IF OPTION IS SPECIFIED  
USE TCSD-XX-01-N)



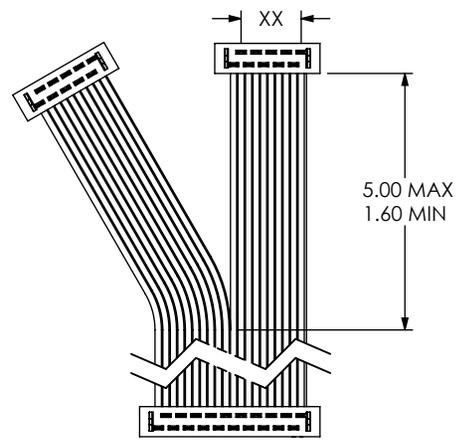
-RW  
REVERSE WIRING



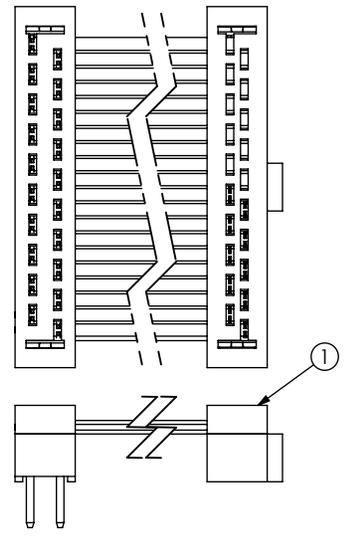
-P"XX"  
POLARIZED MATING  
(USE PK-07-N POLARIZING KEY)  
(REQUIRES TRANSFER END. ONLY SOCKET IS POLARIZED)



-BXX  
BREAKOUT OPTION  
"XX" = NO OF CONDUCTORS PER ROW  
BROKEN OUT FROM THE FIRST POSITION



-T  
TRANSFER END  
(SAME AS -D UNLESS SPECIFIED)



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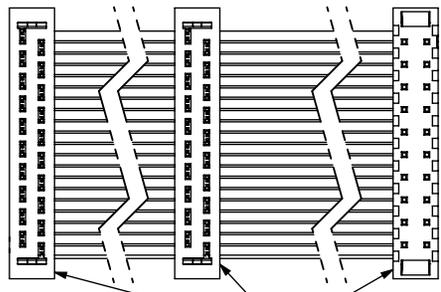
DO NOT SCALE DRAWING  
SHEET SCALE: 1.5:1



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

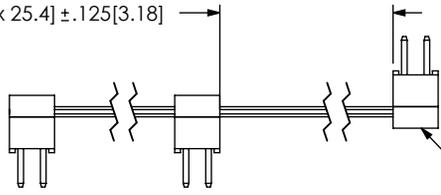
DESCRIPTION:  
2MM DOUBLE ROW MALE IDC CABLE ASSEMBLY  
DWG. NO.  
TCMD-XX-X-XX.XX-01-XX-XXX-XXX  
BY: B RAY 11/26/2007 SHEET 2 OF 4

-O  
OUTSIDE REVERSED



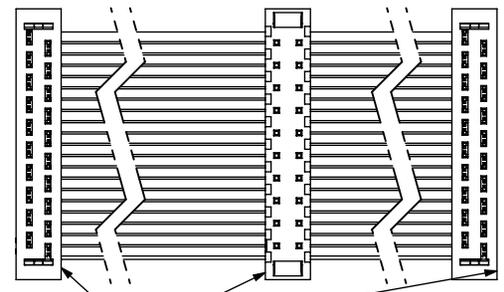
FIRST POSITION INDICATOR

$XX.XX[XX.X \times 25.4] \pm .125[3.18]$



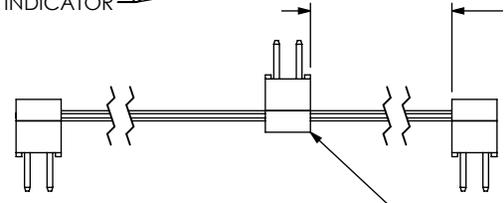
OUTSIDE SOCKET REVERSED  
WHEN DAISY CHAINED

-M  
MIDDLE REVERSED



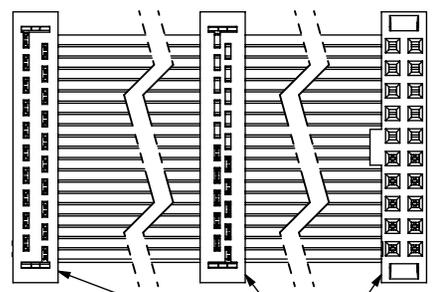
FIRST POSITION INDICATOR

$XX.XX[XX.X \times 25.4] \pm .125[3.18]$



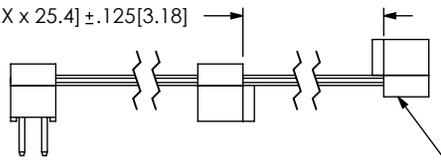
MIDDLE TERMINAL REVERSED  
WHEN DAISY CHAINED

-O  
OUTSIDE TRANSFER



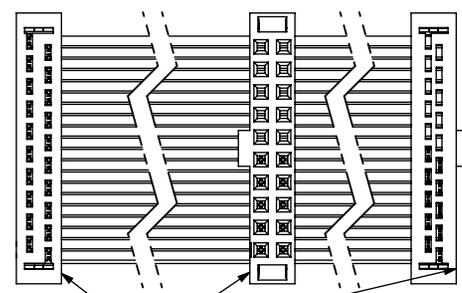
FIRST POSITION INDICATOR

$XX.XX[XX.X \times 25.4] \pm .125[3.18]$



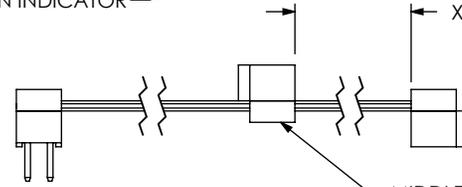
OUTSIDE SOCKET REVERSED  
WHEN DAISY CHAINED

-M  
MIDDLE TRANSFER



FIRST POSITION INDICATOR

$XX.XX[XX.X \times 25.4] \pm .125[3.18]$



MIDDLE TERMINAL REVERSED  
WHEN DAISY CHAINED

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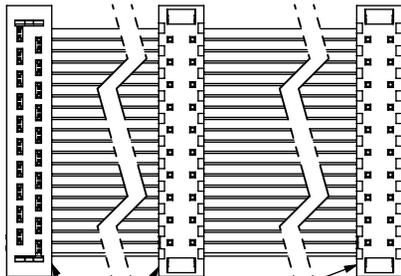
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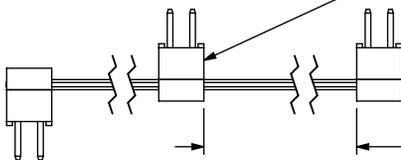
BY: B RAY 11/26/2007 SHEET 3 OF 4

-R  
REVERSE CONNECTOR



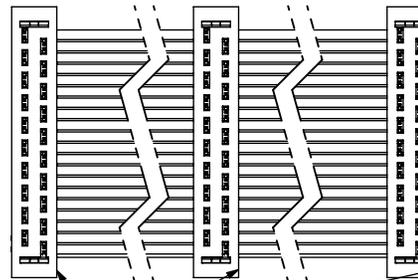
FIRST POSITION INDICATOR

BOTH TERMINAL REVERSED  
WHEN DAISY CHAINED

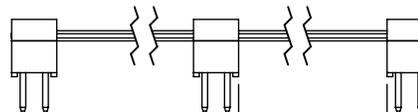


XX.XX[XX.X x 25.4] ± .125[3.18]

-D"XX"  
DAISY CHAIN - DOUBLE



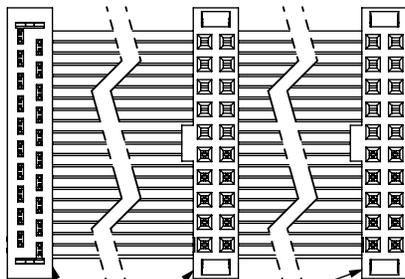
FIRST POSITION INDICATOR



XX.XX[XX.X x 25.4] ± .125[3.18]

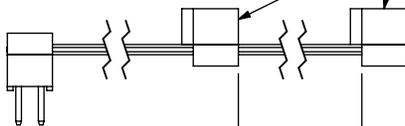
NOTE:  
2" MINIMUM LENGTH  
1" INCREMENTS ONLY

-R  
REVERSE TRANSFER



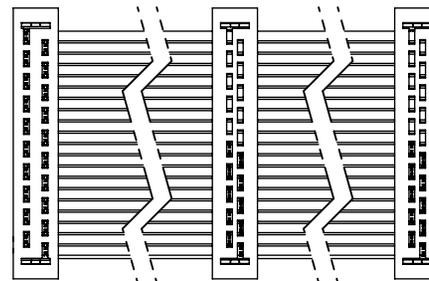
FIRST POSITION INDICATOR

BOTH TERMINAL REVERSED  
WHEN DAISY CHAINED

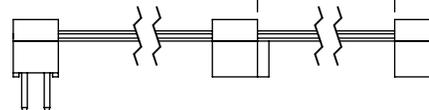


XX.XX[XX.X x 25.4] ± .125[3.18]

-D"XX"  
DAISY CHAIN TRANSFER



XX.XX[XX.X x 25.4] ± .125[3.18]



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BY: B RAY 11/26/2007 SHEET 4 OF 4