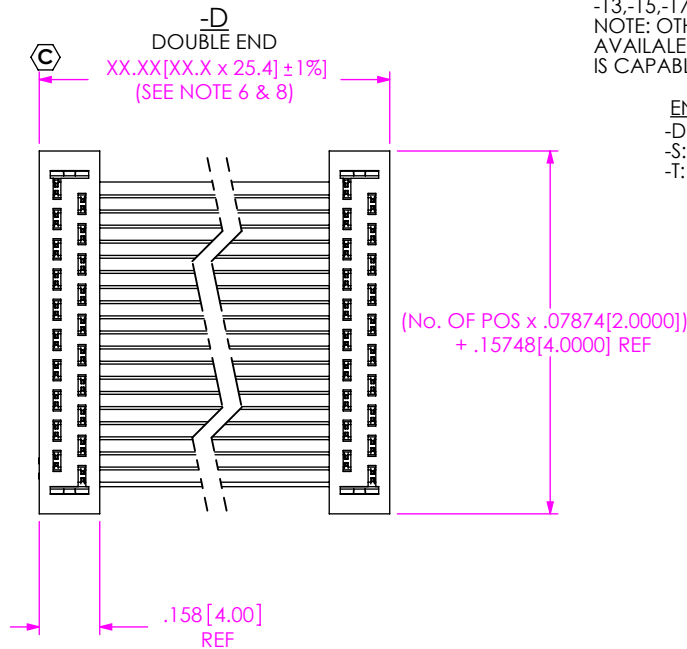


DO NOT SCALE FROM THIS PRINT



No OF POSITIONS
 -03,-04,-05,-08,-10,-12,
 -13,-15,-17,-20,-22,-25
 NOTE: OTHER POSITIONS
 AVAILALE AS ASO. TOOL
 IS CAPABLE OF POSITIONS 2-25

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

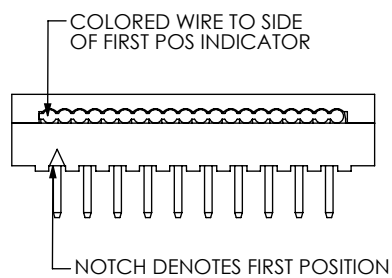
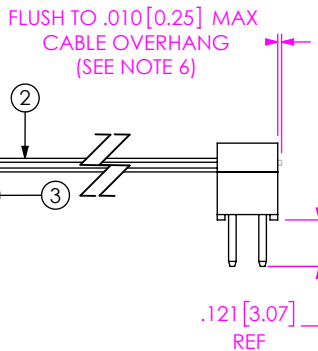
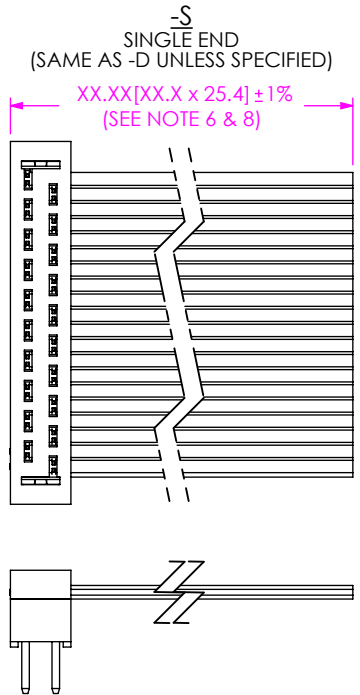
ASSEMBLY LENGTH
 (2 INCH MINIMUM)

LEAD STYLE

OPTION
 SEE SHEETS 2, 3 & 4

OPTION
 SEE SHEETS 2, 3 & 4

OPTION
 LEAVE BLANK FOR TIN PLATING
 (FOR -S & -D USE TCMD-XX-01)
 (FOR TRANSFER OPTION USE TCMD-XX-01 AND TCSD-XX-01)
 -F: FLASH GOLD PLATING
 (FOR TRANSFER OPTION ONLY)
 (USE TCMD-XX-01 AND TCSD-XX-01-F)
 -RF: FLASH GOLD PLATING
 (FOR DOUBLE AND SINGLE ENDED USE TCMD-XX-01-RF)
 (FOR TRANSFER OPTION USE TCMD-XX-01-RF AND TCSD-XX-01-F)



- NOTES:
- ⊕ REPRESENTS A CRITICAL DIMENSION.
 - AS OF REV C ON TCB-50 CABLE, ASSEMBLIES WILL BE LEAD FREE.
 - ALL ASSEMBLIES TO BE 100 % ELECTRONICALLY TESTED FOR SHORTS AND OPENS.
 - ALL ASSEMBLIES TO BE 100 % HI-POT TESTED AT 800V.
 - STRAIN RELIEF TO WITHSTAND 5LBS STRAIGHT PULL.
 - WHEN CUTTING CABLE TO LENGTH, CONDUCTORS SHOULD NOT EXTEND PAST THE CABLE INSULATION, EXTENDING LESS THAN 25% OF CABLE THICKNESS ON CONSECUTIVE AND LESS THAN 50% OF CABLE THICKNESS ON NON-CONSECUTIVE STRANDS IS CONSIDERED A PROCESS INDICATOR.
 - SEE TCMD-XX-XX-XX-XX (AND TCSD-XX-XX-X-XXX FOR -T END ASSEMBLY OPTION) PRINT FOR CONNECTOR ASSEMBLY INSTRUCTIONS AND ITS REQUIREMENTS.
 - FOR LENGTHS LESS THAN 12.5", TOLERANCE SHALL BE +/- .125, ALL OTHER LENGTHS SHALL BE +/- 1%.

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]

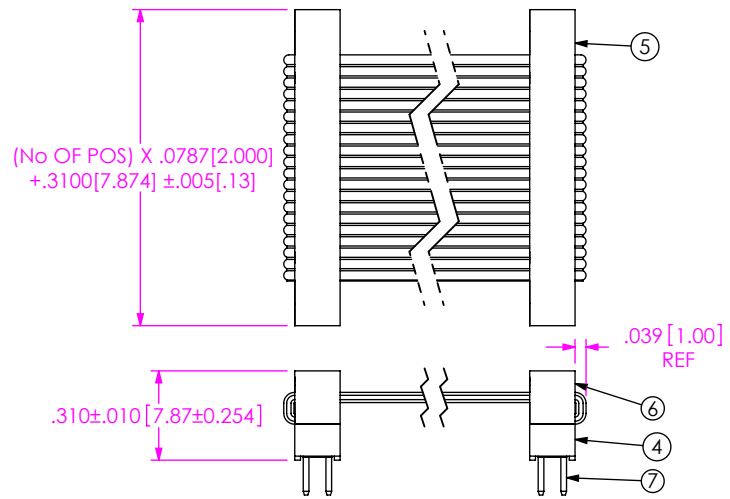
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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
 INSULATOR: VALOX 420 SEO, COLOR: BLACK
 CONTACT: #25 BeCu 1/2 HARD, AGE HARDENED
 TERMINAL: SPRING TEMPER PHOS BRONZE, ALLOY 510
 STRAIN RELIEF: CELANEX 3300, COLOR: BLACK
 WIRE: 28 AWG, 7/36, TINNED Cu, STRANDED WITH PVC
 INSULATOR

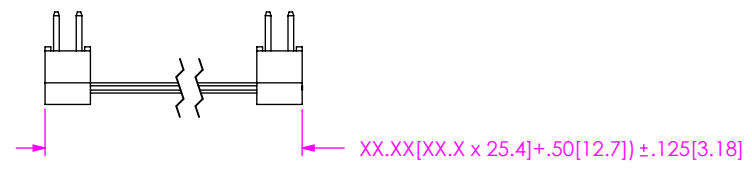
520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 5332

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 5

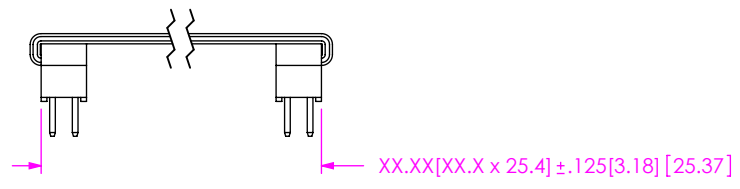
-SR:
 STRAIN RELIEF
 (NOT AVAILABLE WITH -O, -M, -R, -DXX, OR -BXX)
 (SOLD AS ASSEMBLIES ONLY)
 (SAME AS -D UNLESS SPECIFIED)
 (MUST USE HEAT BEND/STRAIN RELIEF TOOL ON POSITIONS 20-25)



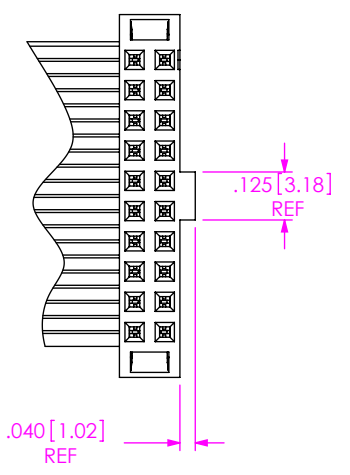
IN-PROCESS 1
 -SR ONLY



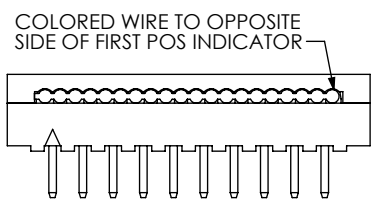
IN-PROCESS 2
 -SR ONLY



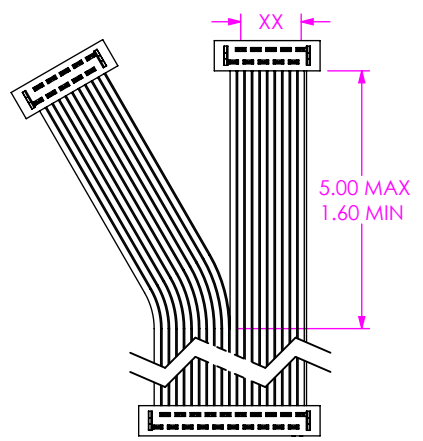
-N
 NOTCH POLARIZATION
 (FOR -T ONLY)
 (IF OPTION IS SPECIFIED USE TCSD-XX-01-N)



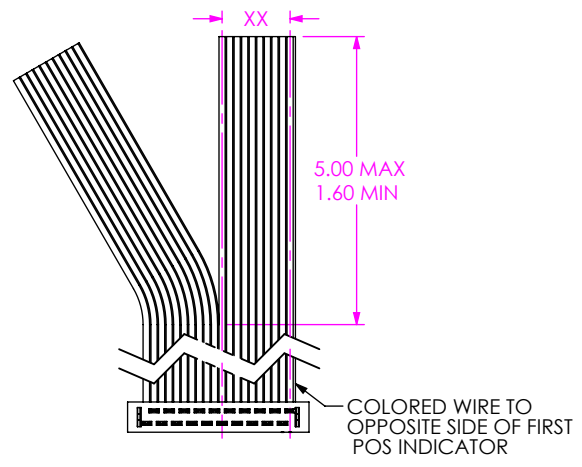
-RW
 REVERSE WIRING



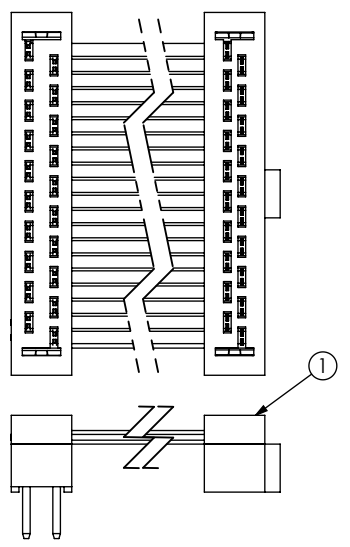
-BXX
 BREAKOUT OPTION
 "XX" = NO OF CONDUCTORS PER ROW
 BROKEN OUT FROM THE FIRST POSITION



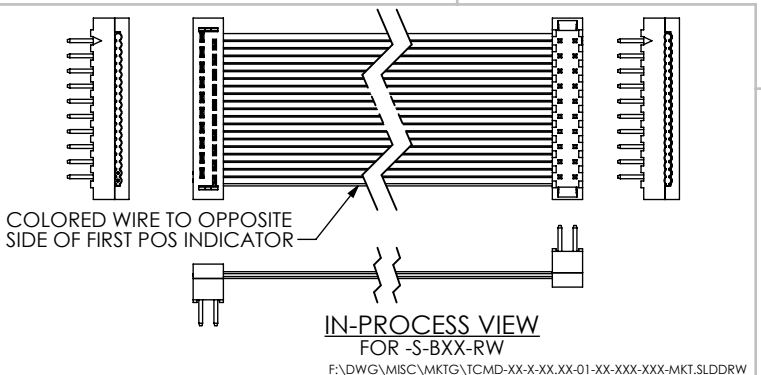
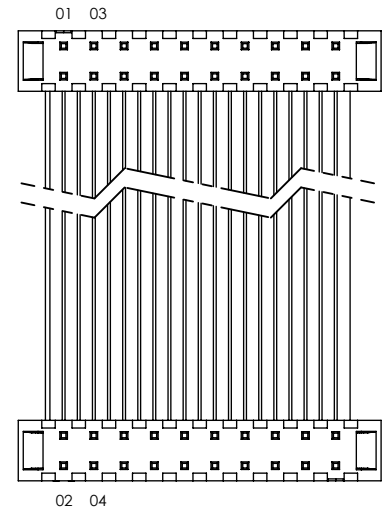
-S-BXX-RW
 SINGLE END & BREAKOUT & REVERSE WIRING OPTION
 "XX" = NO OF CONDUCTORS
 BROKEN OUT FROM THE FIRST POSITION



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



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



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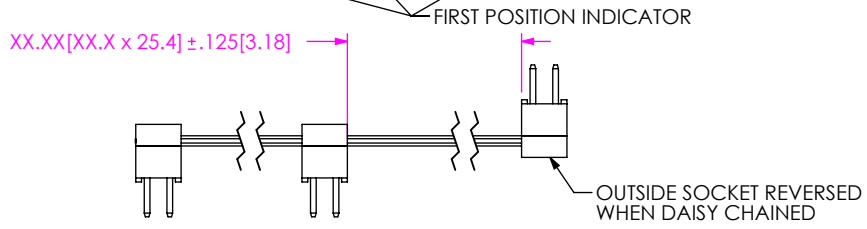
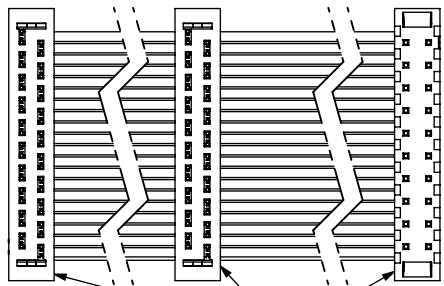
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 SHEET SCALE: 1.5:1



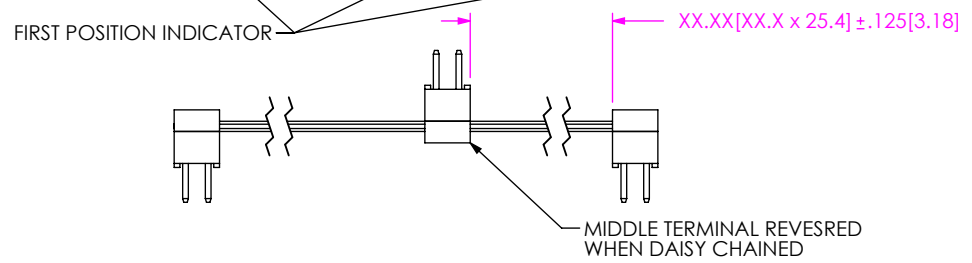
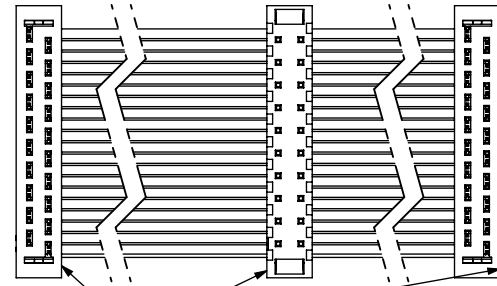
520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

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 5

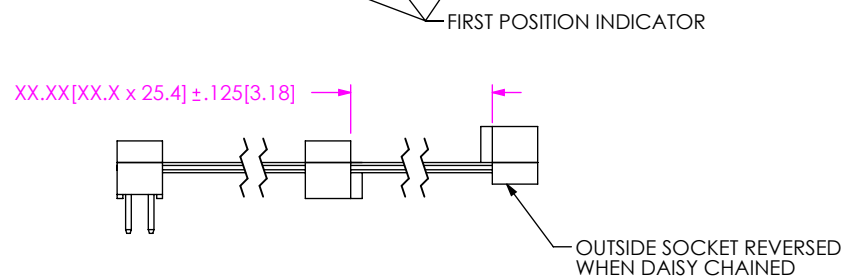
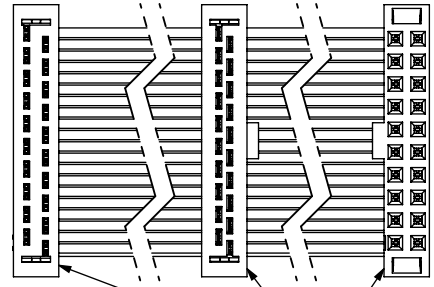
-O
OUTSIDE REVERSED
 (NOT AVAILABLE WITH -R OR -M OPTIONS)



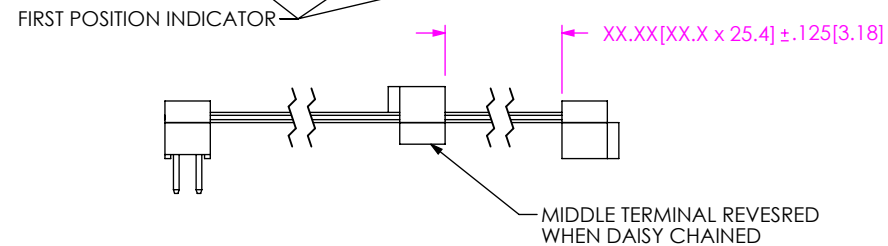
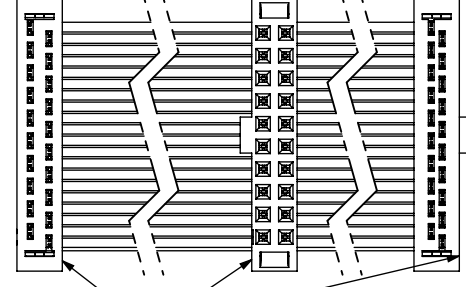
-M
MIDDLE REVERSED
 (NOT AVAILABLE WITH -R OR -O OPTIONS)



-O
OUTSIDE TRANSFER
 (NOT AVAILABLE WITH -R OR -M OPTIONS)



-M
MIDDLE TRANSFER
 (NOT AVAILABLE WITH -R OR -O OPTIONS)



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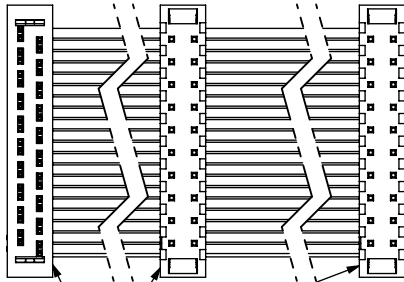
DO NOT SCALE DRAWING
 SHEET SCALE: 1.5:1



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 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

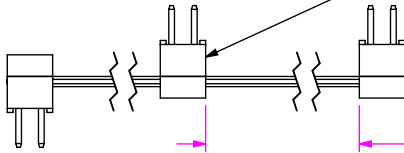
DESCRIPTION:
 2MM DOUBLE ROW MALE IDC CABLE ASSEMBLY
 DWG. NO.
 TCMD-XX-X-XX.XX-01-XX-XXX-XXX
 BY: B RAY 11/26/2007 SHEET 3 OF 5

-R
REVERSE CONNECTOR
 (NOT AVAILABLE WITH -M OR -O OPTIONS)



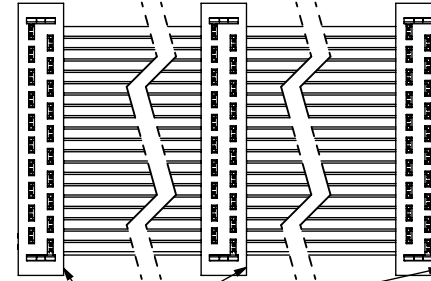
FIRST POSITION INDICATOR

BOTH TERMINAL REVERSED
 WHEN DAISY CHAINED

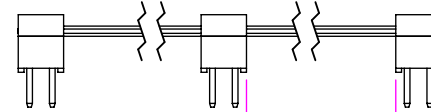


$XX.XX[XX.X \times 25.4] \pm .125[3.18]$

-D"XX"
DAISY CHAIN - DOUBLE



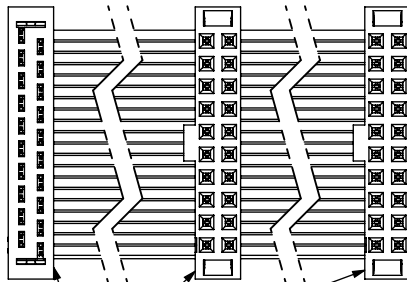
FIRST POSITION INDICATOR



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

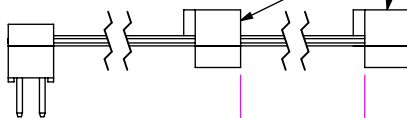
NOTE:
 2" MINIMUM LENGTH
 1" INCREMENTS ONLY

-R
REVERSE TRANSFER
 (NOT AVAILABLE WITH -M OR -O OPTIONS)



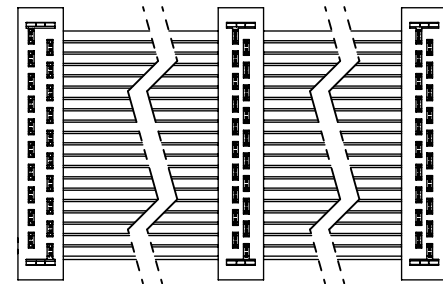
FIRST POSITION INDICATOR

BOTH TERMINAL REVERSED
 WHEN DAISY CHAINED

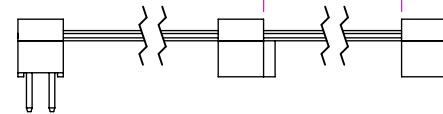


$XX.XX[XX.X \times 25.4] \pm .125[3.18]$

-D"XX"
DAISY CHAIN TRANSFER



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



NOTE:
 2" MINIMUM LENGTH
 1" INCREMENTS ONLY

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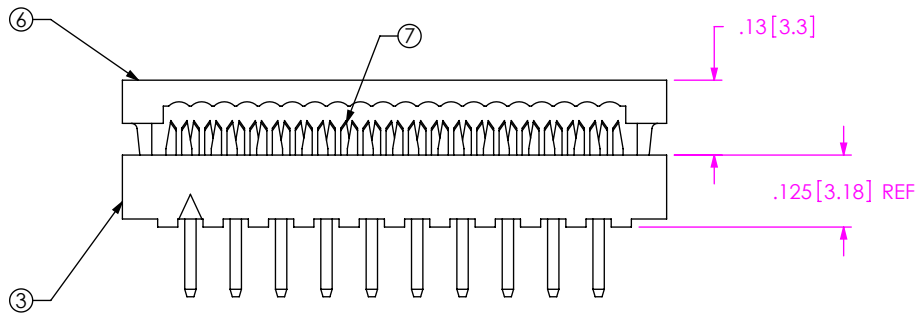
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SHEET SCALE: 1.5:1

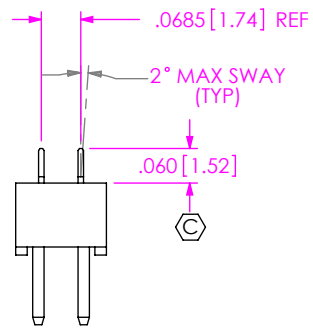
DESCRIPTION:
 2MM DOUBLE ROW MALE IDC CABLE ASSEMBLY

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

BY: B RAY 11/26/2007 SHEET 4 OF 5



END VIEW SHOWN WITH
TTC-XX-D REMOVED



IN-PROCESS VIEW

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SHEET SCALE: 1.5:1



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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 5 OF 5