

DO NOT
SCALE FROM
THIS PRINT

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 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-F)
(FOR TRANSFER OPTION USE TCMD-XX-01-F AND TCSD-XX-01-F)

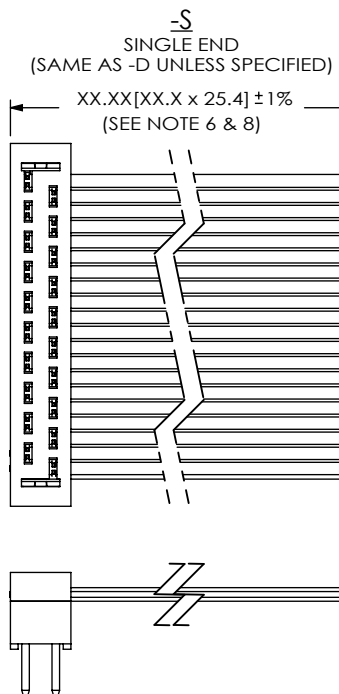
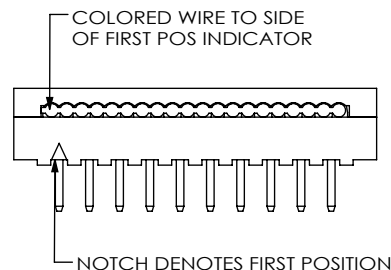
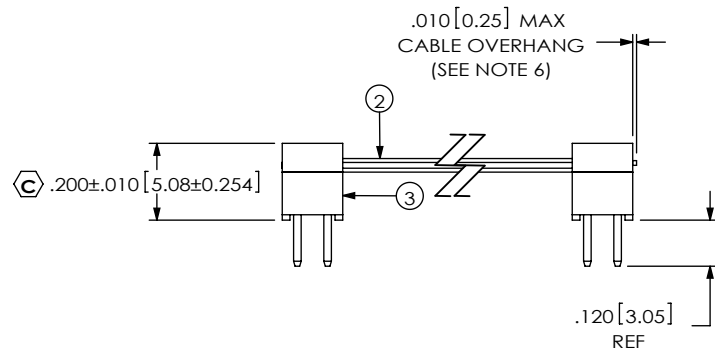
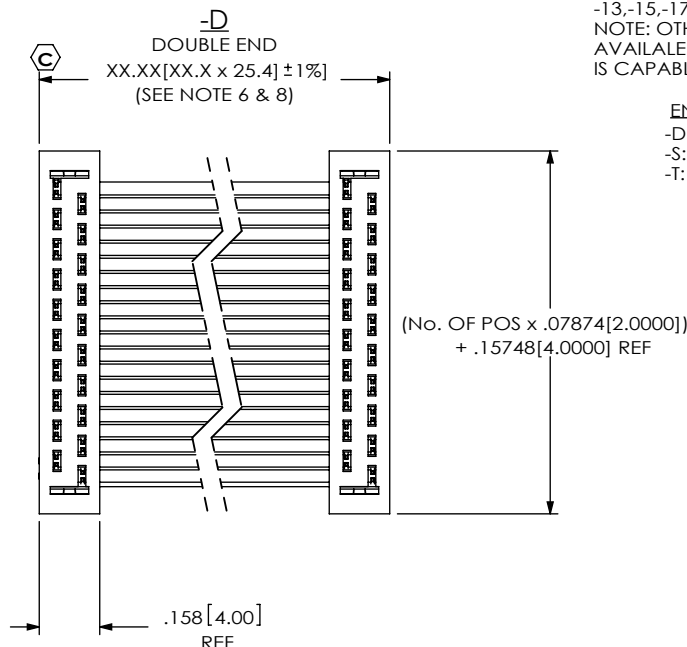
END ASSEMBLY

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

ASSEMBLY LENGTH

(2 INCH MINIMUM)

LEAD STYLE



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 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.
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.
8. 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
WIRE: 28 AWG, 7/36, TINNED Cu, STRANDED WITH PVC
INSULATOR

F:\DWG\MISC\MKTG\TCMD-XX-X-XX.XX-01-XX-XXX-MKT.SLDDRW

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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: 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 1 OF 4

REVISION AJ

-SR:

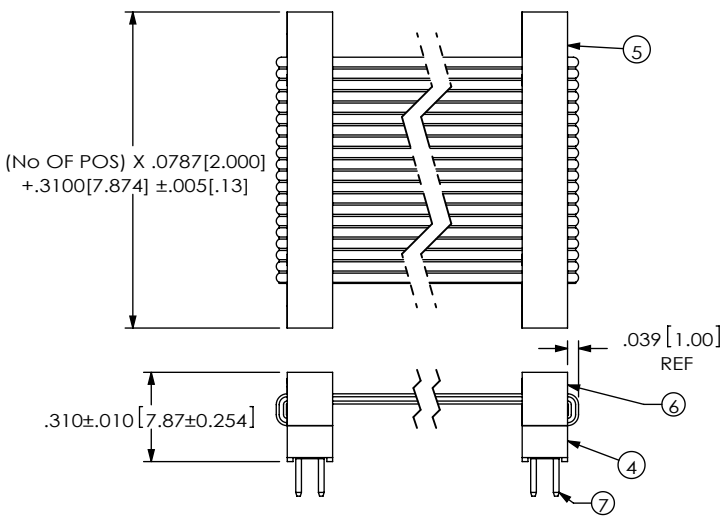
STRAIN RELIEF

(NOT AVAILABLE WITH -O, -M, -R, -DXX, OR -BXX)

(SOLD AS ASSEMBLIES ONLY)

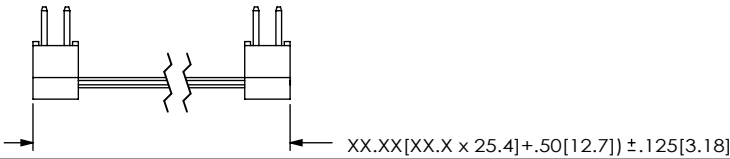
(SAME AS -D UNLESS SPECIFIED)

(MUST USE HEAT BEND/STRAIN RELIEF TOOL ON POSITIONS 20-25)



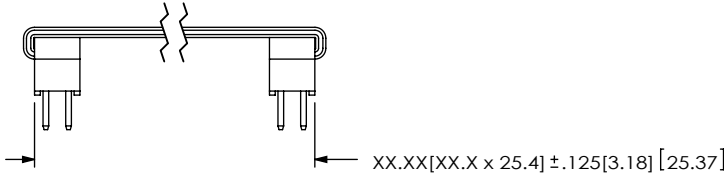
IN-PROCESS 1

-SR ONLY



IN-PROCESS 2

-SR ONLY



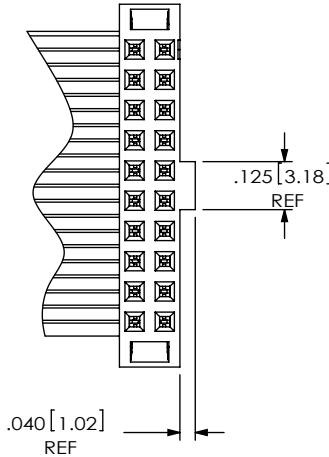
-N

NOTCH POLARIZATION

(FOR -T ONLY)

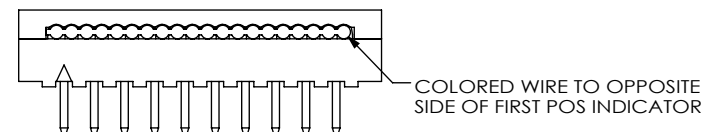
(IF OPTION IS SPECIFIED

USE TCSD-XX-01-N)



-RW

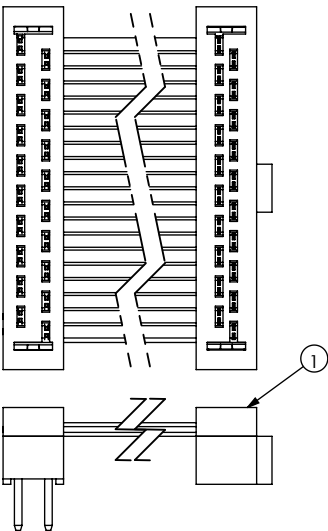
REVERSE WIRING



-I

TRANSFER END

(SAME AS -D UNLESS SPECIFIED)

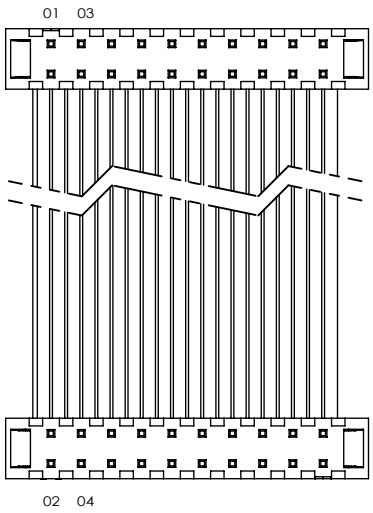


-P"XX"

POLARIZED MATING

(USE PK-07-N POLARIZING KEY)

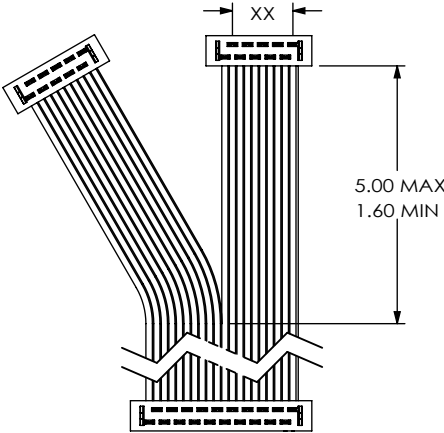
(REQUIRES TRANSFER END. ONLY SOCKET IS POLARIZED)



-BXX

BREAKOUT OPTION

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



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DO NOT SCALE DRAWING

SHEET SCALE: 1.5:1

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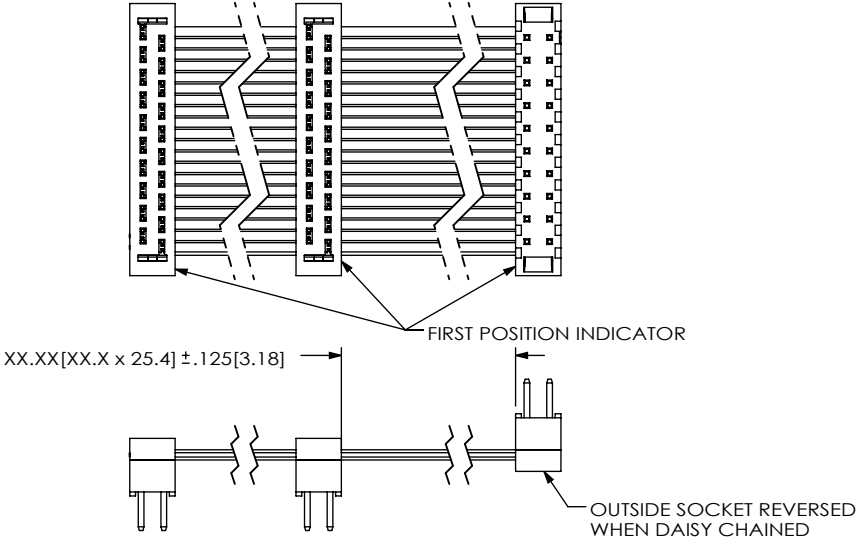
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
2MM DOUBLE ROW MALE IDC CABLE ASSEMBLY

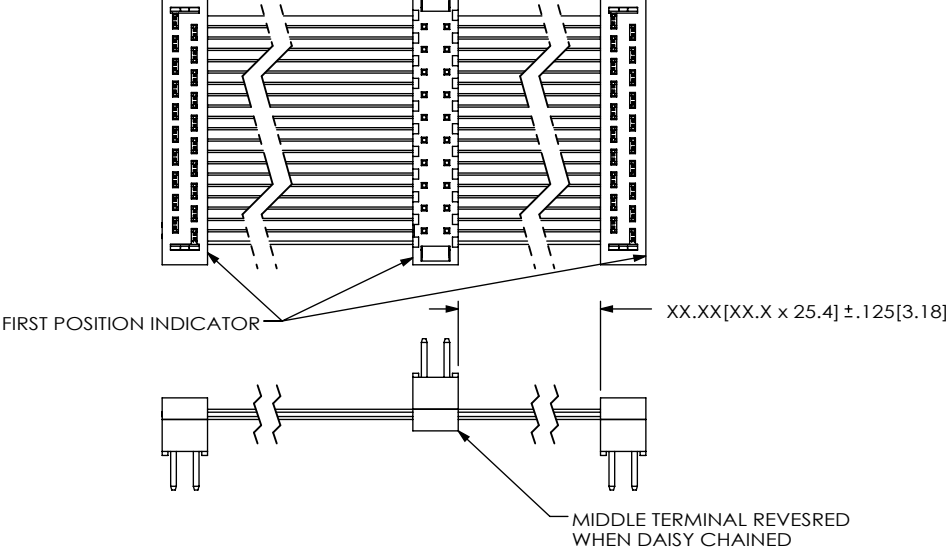
DWG. NO.
TCMD-XX-X-XX.XX-01-XX-XXX-XXX

BY: B RAY 11/26/2007 SHEET 2 OF 4

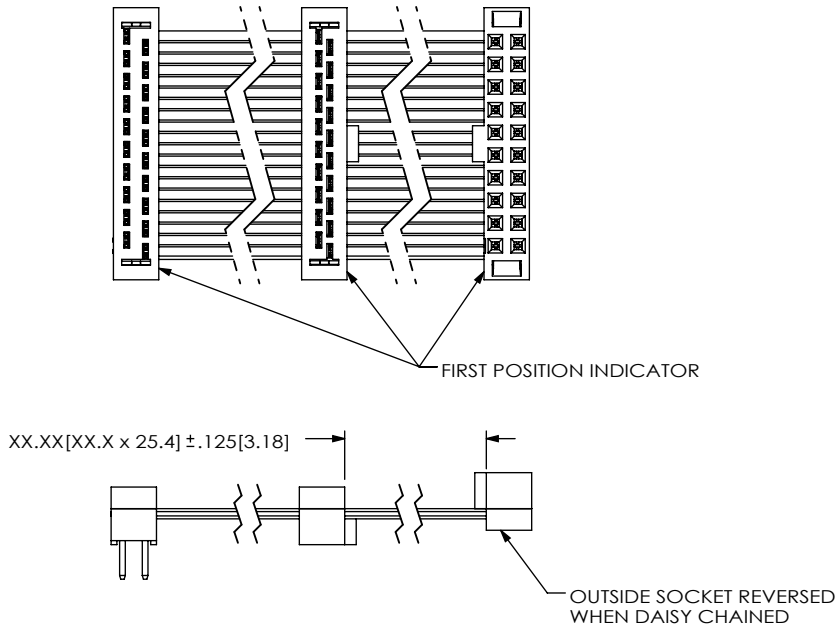
-O
OUTSIDE REVERSED
(NOT AVAILABLE WITH -R OR -M OPTIONS)



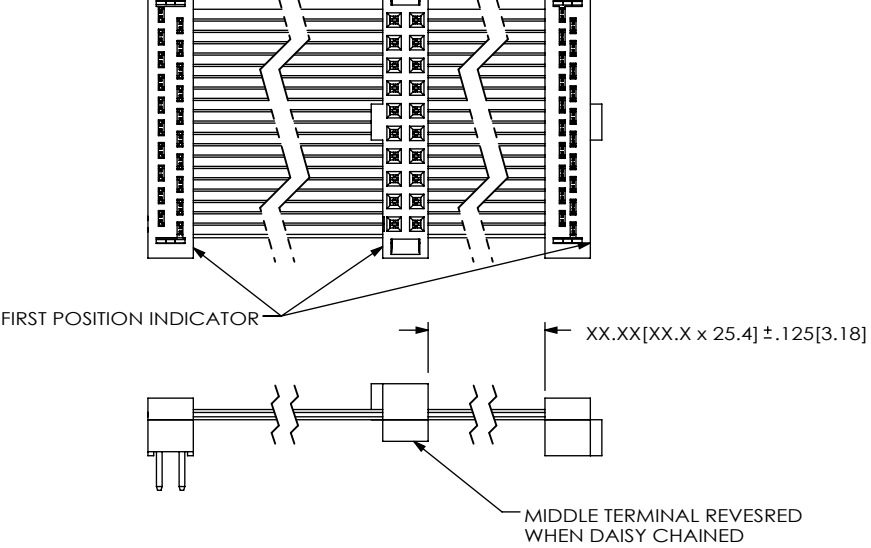
-M
MIDDLE REVERSED
(NOT AVAILABLE WITH -R OR -O OPTIONS)



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



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



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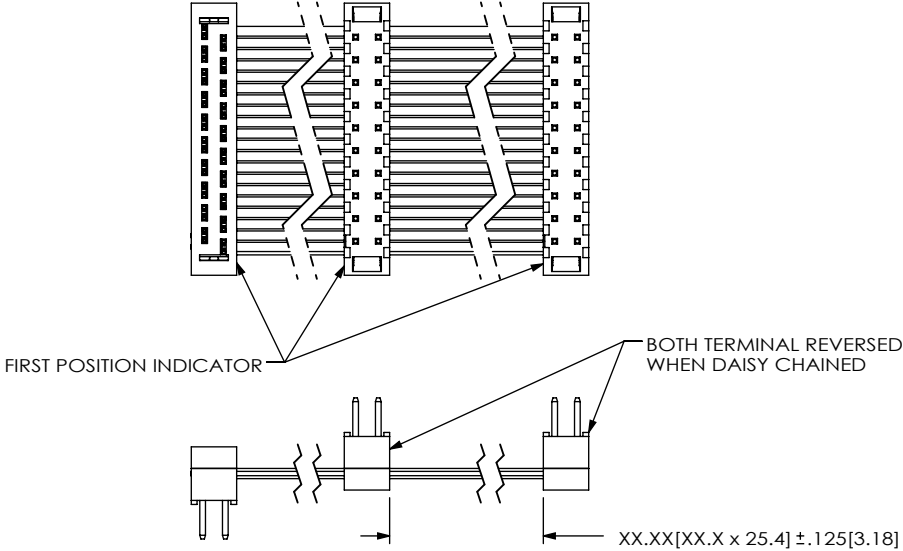
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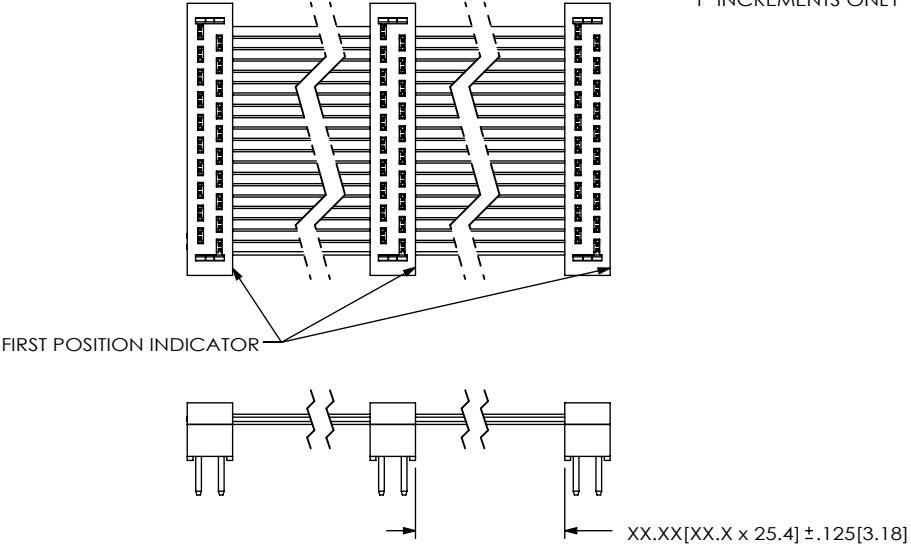
BY: B RAY 11/26/2007 SHEET 3 OF 4

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

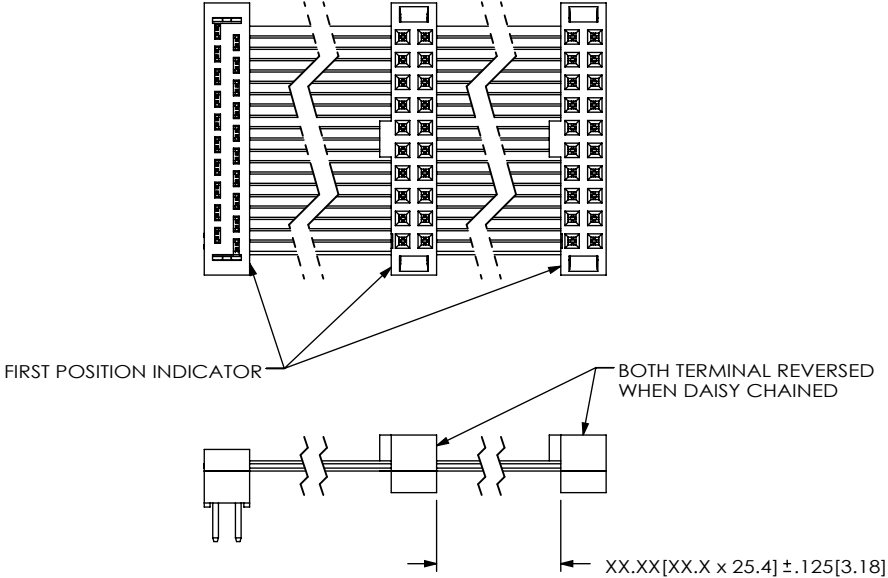


-D"XX"
DAISY CHAIN - DOUBLE

NOTE:
2" MINIMUM LENGTH
1" INCREMENTS ONLY

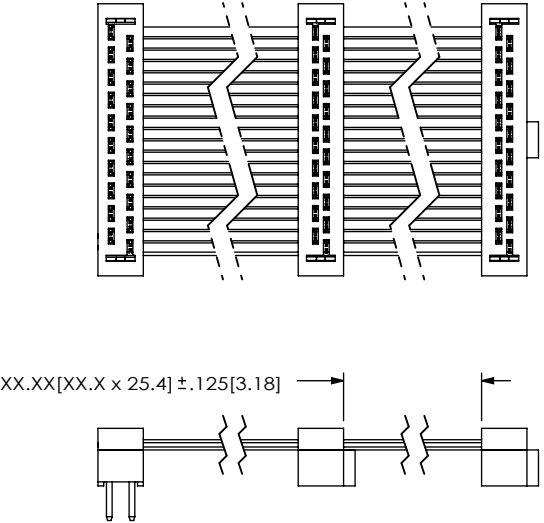


-R
REVERSE TRANSFER
(NOT AVAILABLE WITH -M OR -O OPTIONS)



-D"XX"
DAISY CHAIN TRANSFER

NOTE:
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1" INCREMENTS ONLY



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