

# REVISION AN

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THIS PRINT

## NOTES:

1. HIDDEN LINES ARE USED TO SHOW POLARIZATION WHEN USING -N OPTION.
2.  $\odot$  REPRESENTS A CRITICAL DIMENSION.
3. FFSD CABLE ASSEMBLIES ARE LEAD FREE.
4. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
5. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 630V:  $\odot$
6. STRAIN RELIEF TO WITHSTAND 5LB[22N] STRAIGHT PULL.
7. NOTE DELETED.
8. 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.
9. REFERENCE FFSD-XX-XX-X-N-XXX FOR CONNECTOR ASSEMBLY DIMENSIONS AND ITS REQUIREMENTS.
10. COLORED WIRE MUST MATCH FIRST POSITION INDICATOR ON THE FIRST CONNECTOR FOR ALL OPTIONS WITH THE EXCEPTION OF -RW.
11. FOR LENGTHS LESS THAN 12.5", TOLERANCE SHALL BE +/- .125, ALL OTHER LENGTHS SHALL BE +/- 1%.

FFSD-XX-X-XX.XX-01-X-X-XXX

No OF POSITIONS  
-02 THRU -25  
(PER ROW)

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

ASSEMBLY LENGTH

-D"XX", -R, -M & -O OPTION: 2.00[50.8] MINIMUM  
ALL OTHER OPTION: 1.00[25.4] MINIMUM

LEAD STYLE

PLATING OPTIONS

- LEAVE BLANK FOR STANDARD, USE C-67-L  
-S: USE C-67-S  
-F: USE C-67-F

## OPTION

- RW: REVERSE WIRING  
(NOT AVAILABLE WITH -RN1 OR -RN2)
- D"XX": DAISY CHAIN (MINIMUM 2.00[50.8], 1.00[25.4] INCREMENTS)
- R: REVERSED  
(NOT AVAILABLE WITH -M OR -O)  
(MINIMUM 2.00[50.8], 1.00[25.4] INCREMENTS)
- RN1: REVERSE POLARIZATION NOTCH  
(NOT AVAILABLE WITH -RW OR -RN2)
- RN2: REVERSE POLARIZATION NOTCH  
(NOT AVAILABLE WITH -RW OR -RN1)
- M: MIDDLE REVERSE  
(NOT AVAILABLE WITH -R OR -O)  
(MINIMUM 2.00[50.8], 1.00[25.4] INCREMENTS)
- O: OUTSIDE REVERSE  
(NOT AVAILABLE WITH -R OR -M)  
(MINIMUM 2.00[50.8], 1.00[25.4] INCREMENTS)
- SR: STRAIN RELIEF  
(NOT AVAILABLE WITH -O, -M, -R, OR -DXX)  
(SOLD AS ASSEMBLIES ONLY)

## STANDARD POLARIZATION NOTCH

- N: POLARIZATION NOTCH  
(NOT AVAILABLE IN -02 THRU -04)  
(LEAVE BLANK FOR -02, -03, -04)

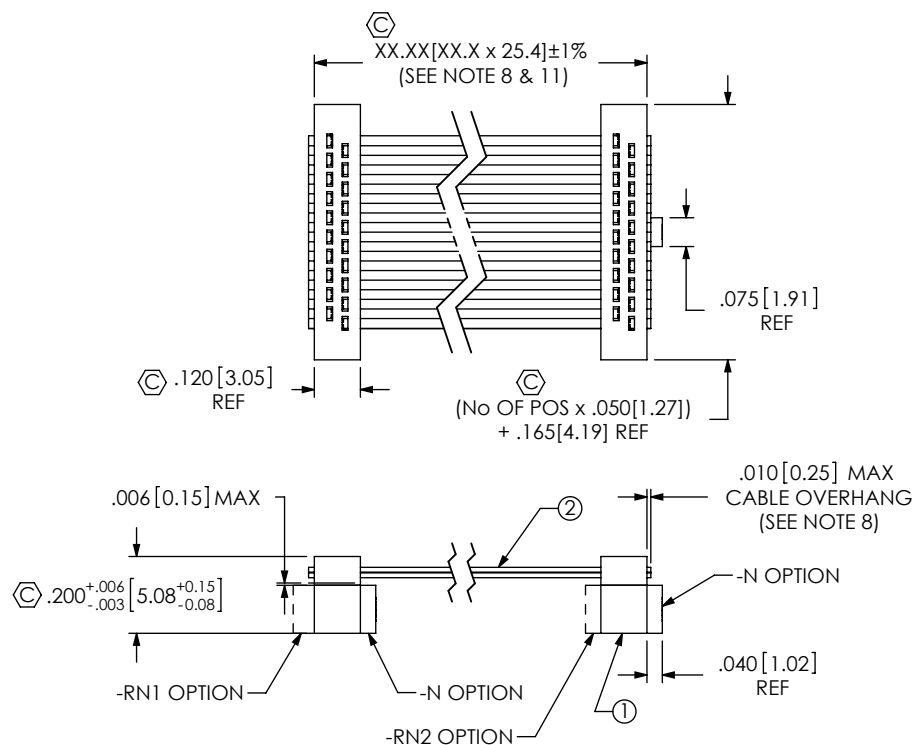


FIG 1  
(FFSD-10-D-XX.XX-01-X-N SHOWN)

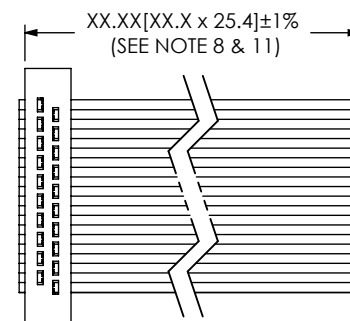
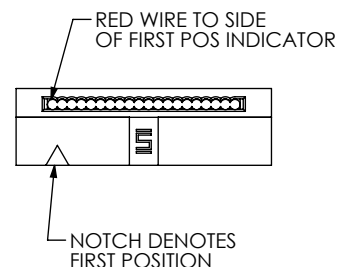


FIG 2  
(FFSD-10-S-XX.XX-01-X-N SHOWN)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

RED WIRE TO OPPOSITE  
SIDE OF FIRST POS. INDICATOR

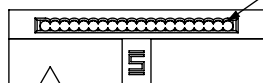


FIG 11  
(FFSD-10-X-XX.XX-01-X-N-RW SHOWN)

| TABLE 1 |                      |
|---------|----------------------|
| ITEM #  | PART                 |
| 1       | FFSD-XX-01-X-N-XX    |
| 2       | CB-XX-30-7/38-025-GR |
| 3       | FFSD-XX-01-X-N-SR1   |
| 4       | FFSR-XX-01           |
| 5       | FFSD-XX-01-X-N-SR2   |
| 6       | FFSR-XX-02           |

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

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1  
INSULATORS: PBT UL94V-0, COLOR: BLACK  
CONTACT: BeCu  
WIRE: 30 AWG, 7/38, TINNED, STRANDED WITH  
GRAY PVC INSULATOR  
PLATING: .000010 GOLD OVER .000050 NICKEL  
REMAINDER: .000200 REF TIN OVER .000050 NICKEL

**samtec**

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

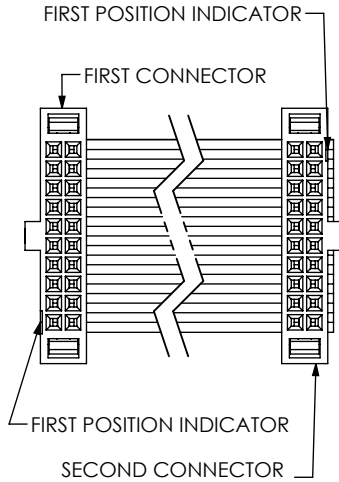
DESCRIPTION: .050 x .050 DOUBLE ROW FEMALE IDC ASSEMBLY

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

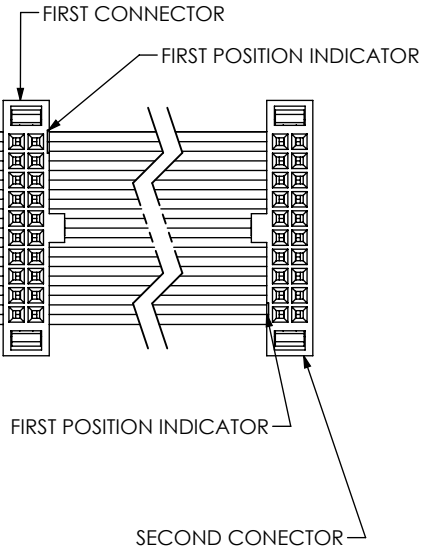
BY: T NEWTON 02/15/2008 SHEET 1 OF 4

FIG 3

(FFSD-10-D-XX.XX-01-X-N-RN1 SHOWN)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)



(FFSD-10-D-XX.XX-01-X-N-RN2 SHOWN)  
(SAME AS FIG 1, DIFFERENT AS 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 -RW OR ANY  
DAISY CHAIN OPTIONS)

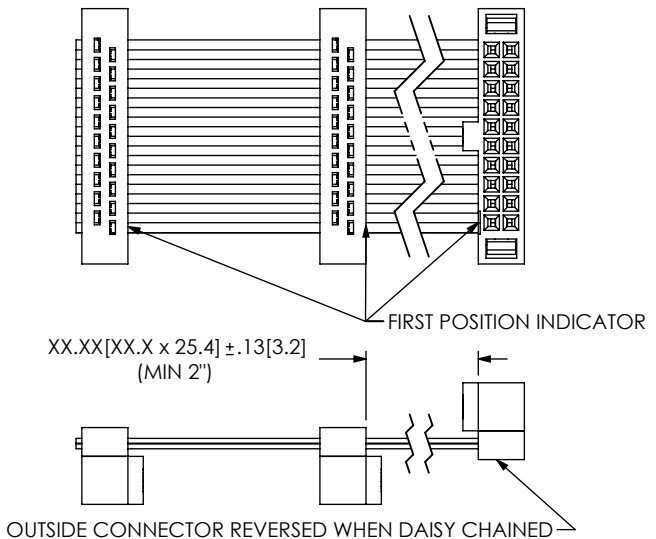


FIG 4

(FFSD-10-D-XX.XX-01-X-N-DXX-O SHOWN)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)  
(2.00[50.8] MINIMUM, 1.00[25.4] INCREMENTS)

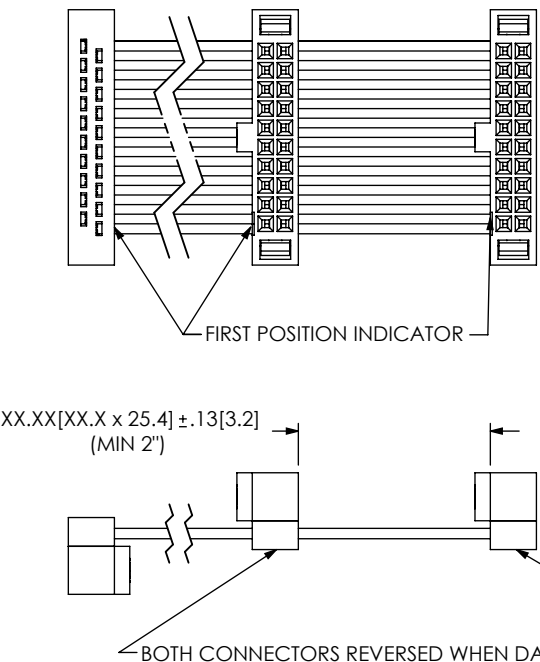


FIG 6

(FFSD-10-D-XX.XX-01-X-N-DXX-R SHOWN)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)  
(NOT AVAILABLE WITH -RN1 OR -RN2 OPTION)  
(2.00[50.8] MINIMUM, 1.00[25.4] INCREMENTS)

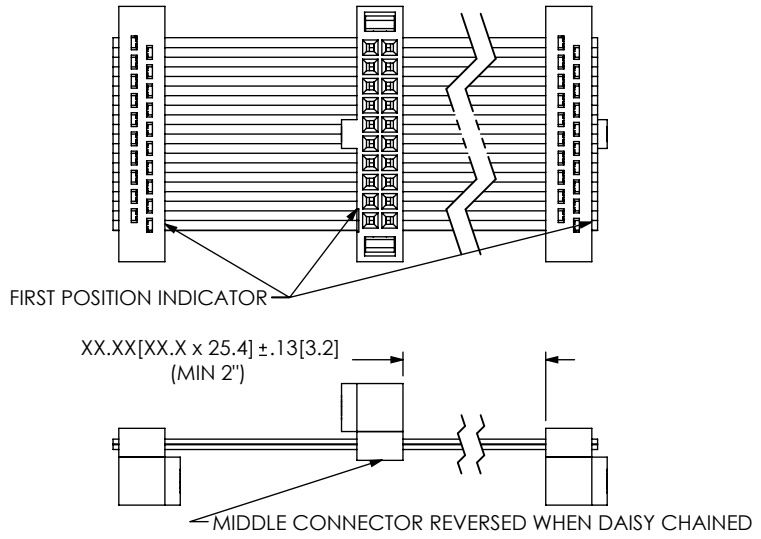


FIG 5

(FFSD-10-D-XX.XX-01-X-N-DXX-M SHOWN)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)  
(2.00[50.8] MINIMUM, 1.00[25.4] INCREMENTS)

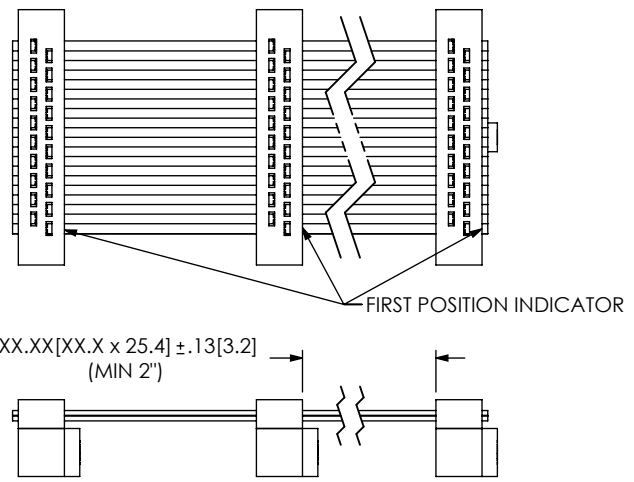


FIG 7

(FFSD-10-D-XX.XX-01-X-N-DXX SHOWN)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)  
(2.00[50.8] MINIMUM, 1.00[25.4] INCREMENTS)

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SHEET SCALE: 2:1

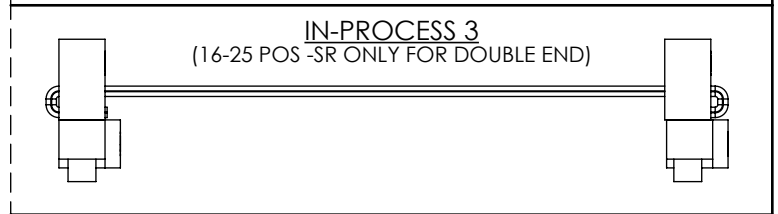
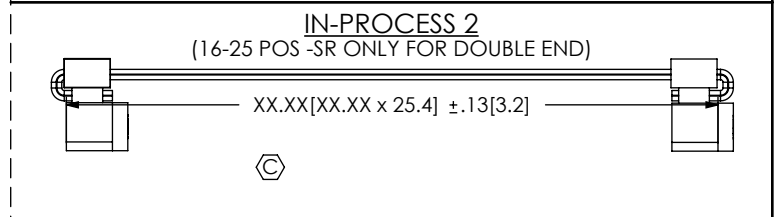
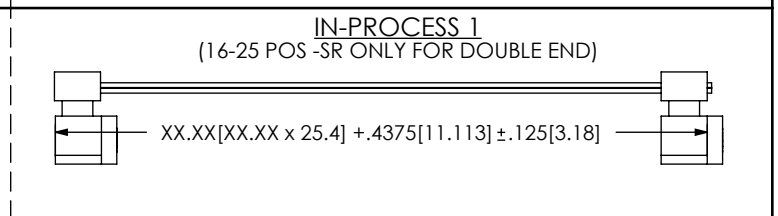
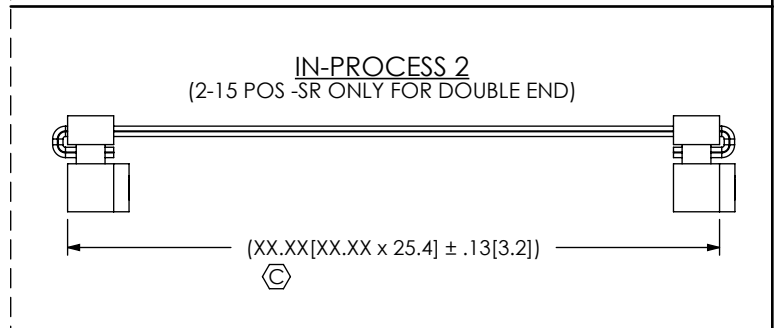
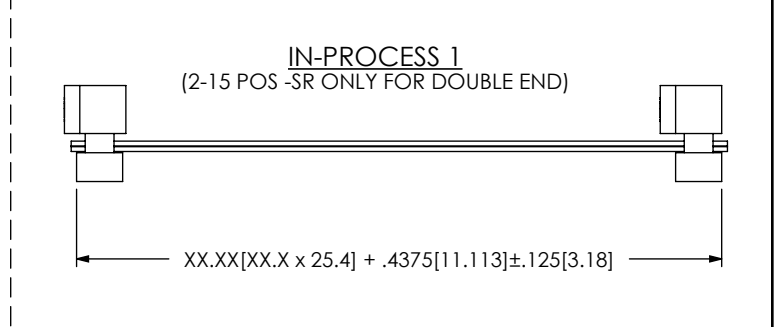
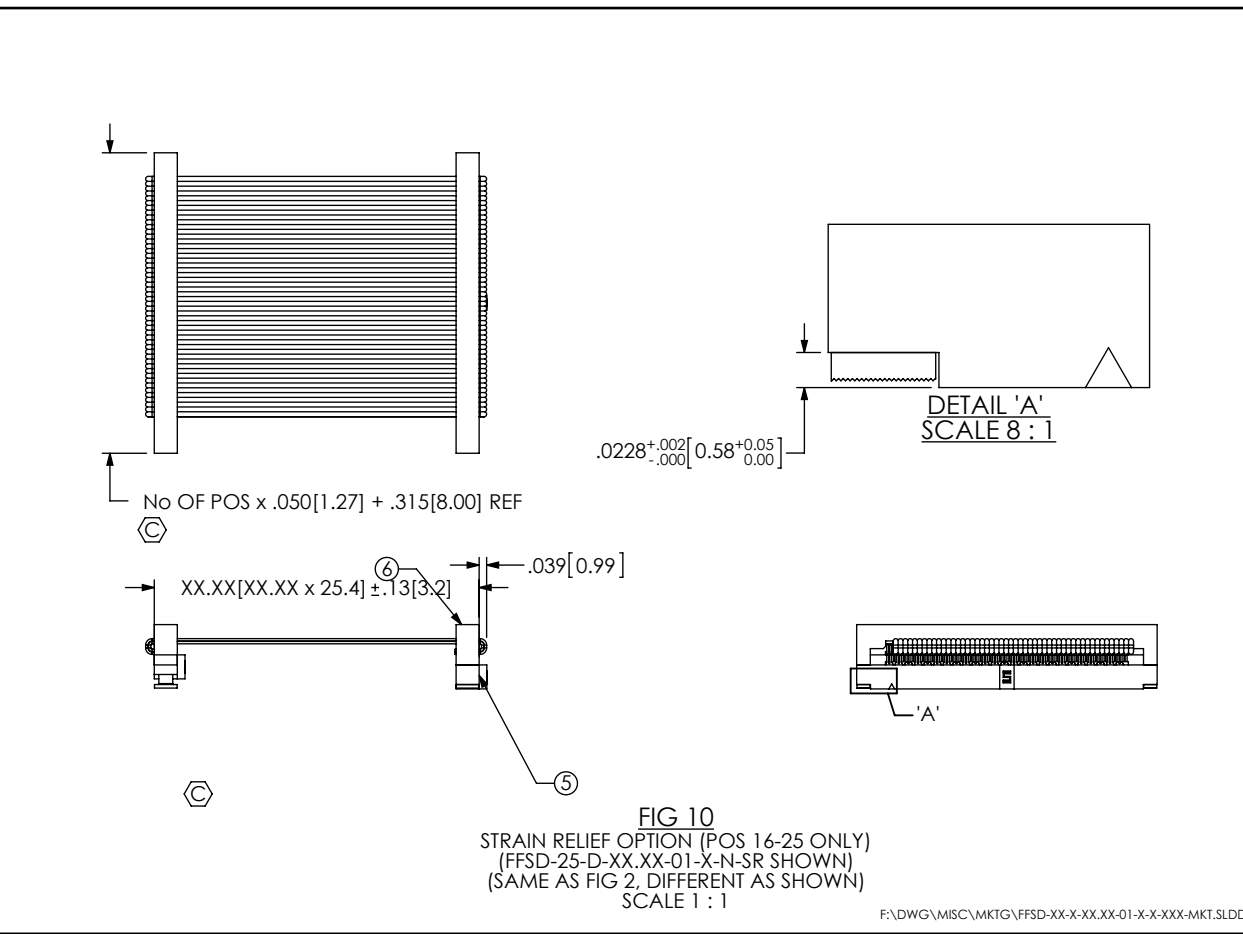
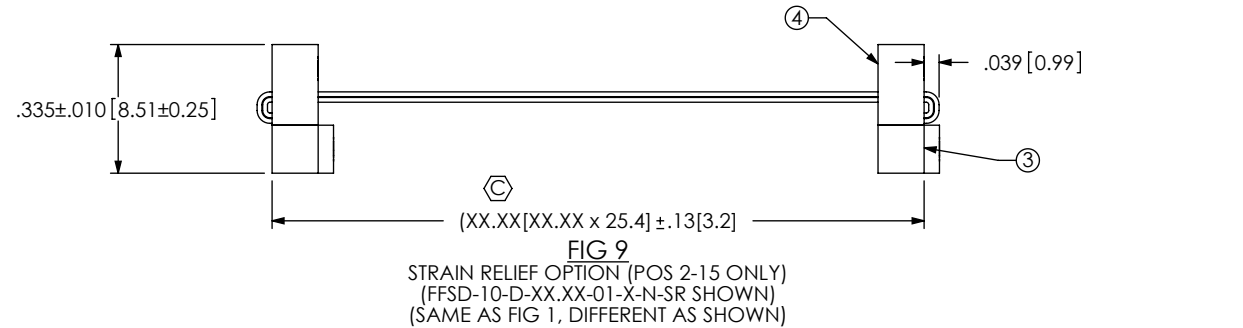
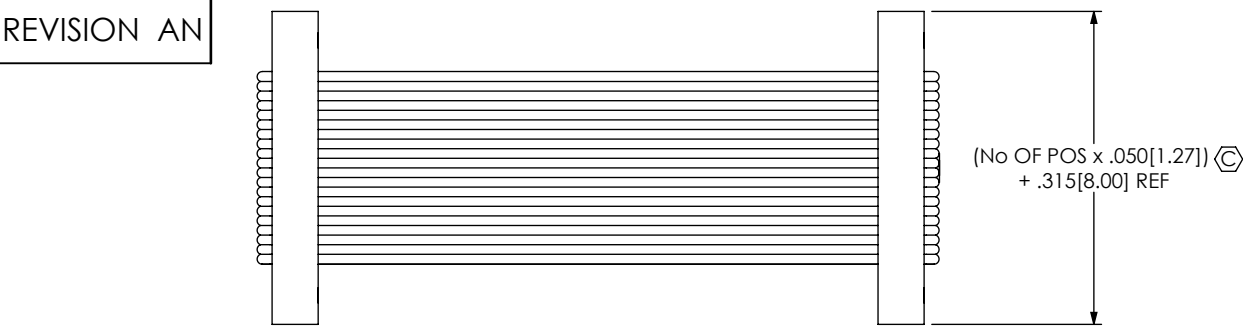


520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
.050 x .050 DOUBLE ROW FEMALE IDC ASSEMBLY

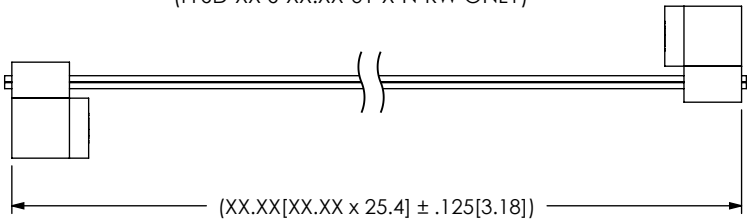
DWG. NO.  
FFSD-XX-X-XX.XX-01-X-X-XXX

BY: T NEWTON 02/15/2008 SHEET 2 OF 4

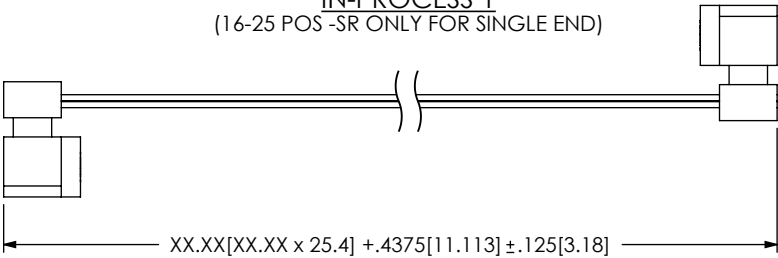


|                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |              |
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|                                                                                                                                                                                                                                                                                                                                                                             | DWG. NO.<br>FFSD-XX-X-XX.XX-01-X-X-XXX                                                                                  |              |
| BY: T NEWTON 02/15/2008                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                         | SHEET 3 OF 4 |

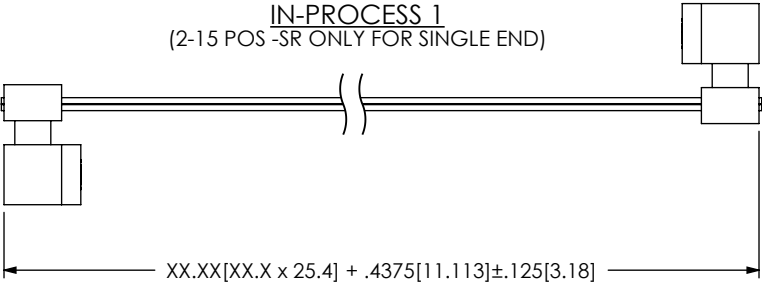
IN-PROCESS 1  
(FFSD-XX-S-XX.XX-01-X-N-RW ONLY)



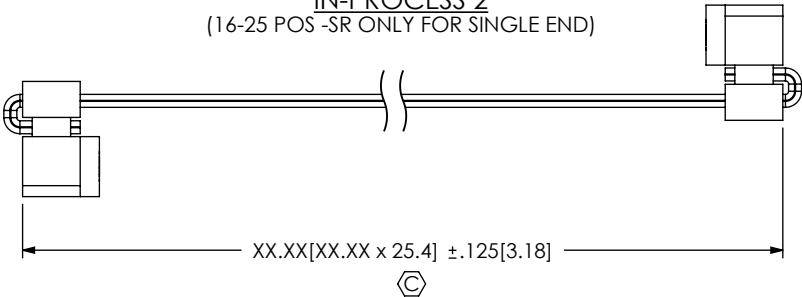
IN-PROCESS 1  
(16-25 POS -SR ONLY FOR SINGLE END)



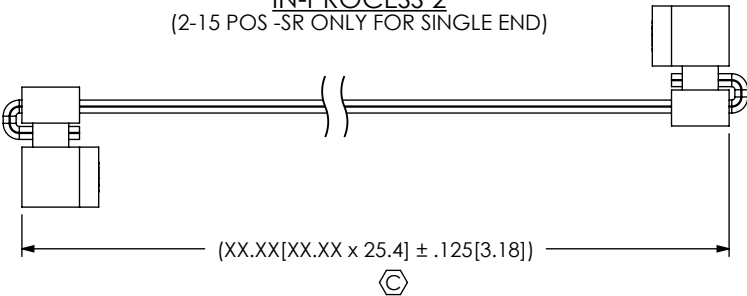
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(2-15 POS -SR ONLY FOR SINGLE END)



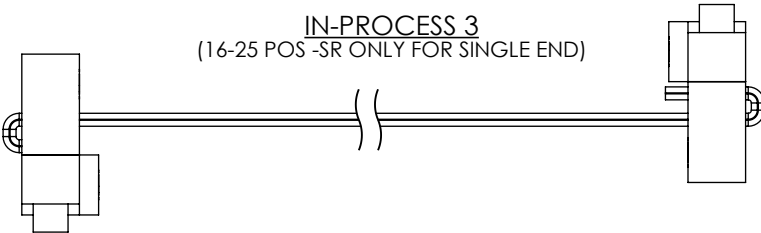
IN-PROCESS 2  
(16-25 POS -SR ONLY FOR SINGLE END)



IN-PROCESS 2  
(2-15 POS -SR ONLY FOR SINGLE END)



IN-PROCESS 3  
(16-25 POS -SR ONLY FOR SINGLE END)



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DESCRIPTION:  
.050 x .050 DOUBLE ROW FEMALE IDC ASSEMBLY

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

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