

NOTES:

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

DO NOT SCALE FROM THIS PRINT

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)

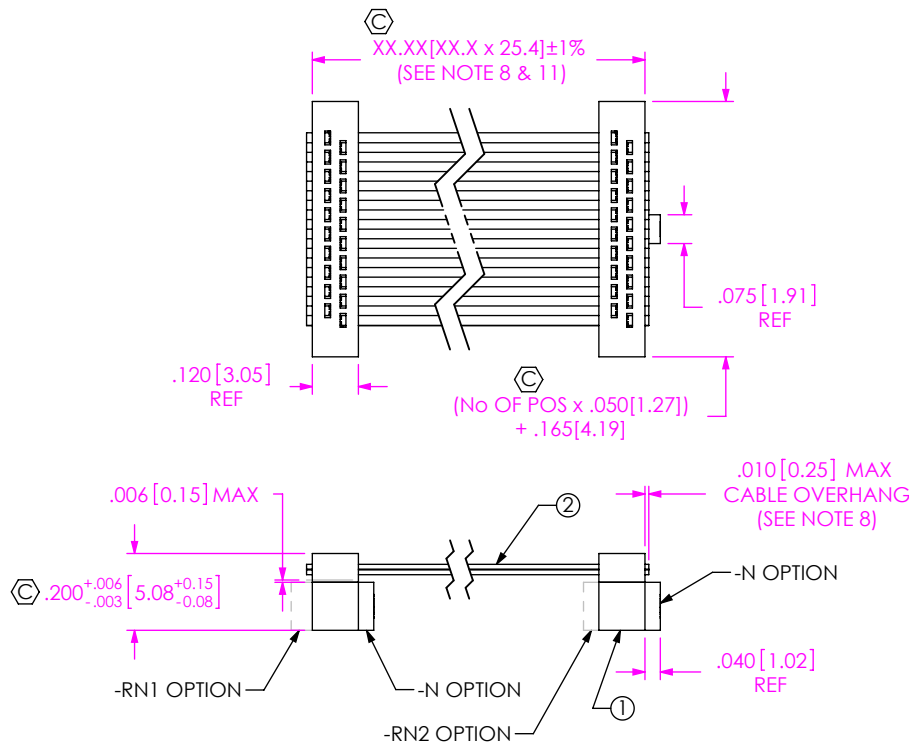


FIG 1  
(FFSD-10-D-XX.XX-01-X-N SHOWN)

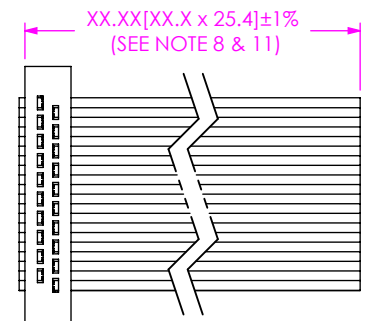
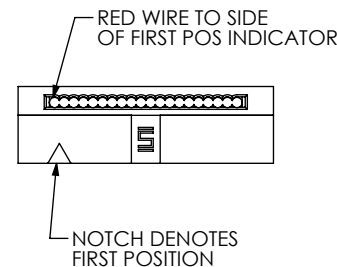


FIG 2  
(FFSD-10-S-XX.XX-01-X-N SHOWN)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

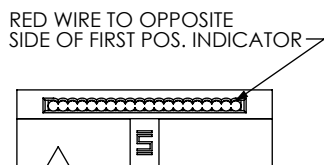


FIG 11  
(FFSD-10-X-XX.XX-01-X-N-RW SHOWN)

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: ±.01 [.3] 2°  
.XXX: ±.005 [.13]  
.XXXX: ±.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



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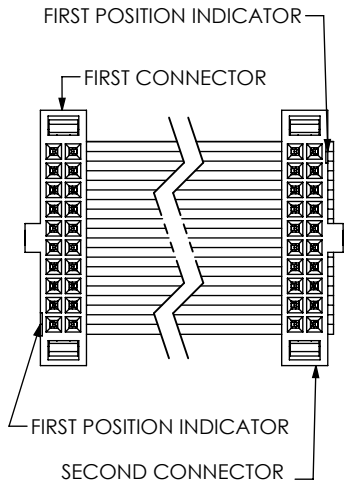
DESCRIPTION:  
.050 x .050 DOUBLE ROW FEMALE IDC ASSEMBLY

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

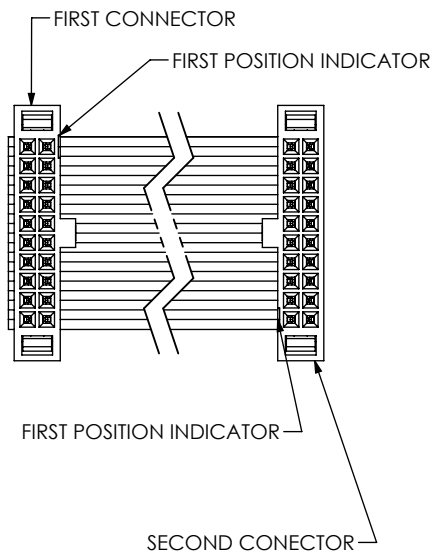
BY: T NEWTON 02/15/2008 SHEET 1 OF 4

FIG 3

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

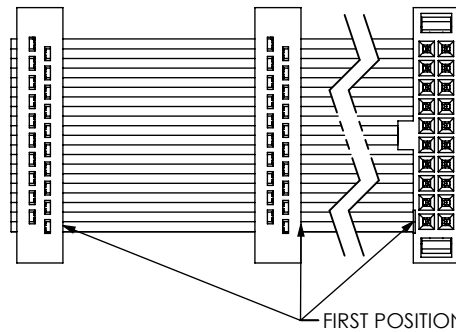


(FFSD-10-D-XX.XX-01-X-N-RN2 SHOWN)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)

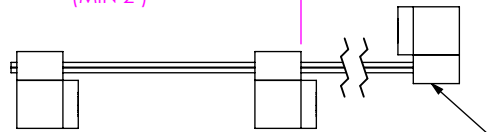


NOTE:  
-RN1 = REVERSE NOTCH ON 1ST CONNECTOR ONLY  
( NOT AVAILABLE WITH -R OPTION)  
-RN2 = REVERSE NOTCH ON 2ND CONNECTOR ONLY  
( NOT AVAILABLE WITH -R OPTION)

(REVERSE NOTCH NOT AVAILABLE WITH -RW OR ANY  
DAISY CHAIN OPTIONS)



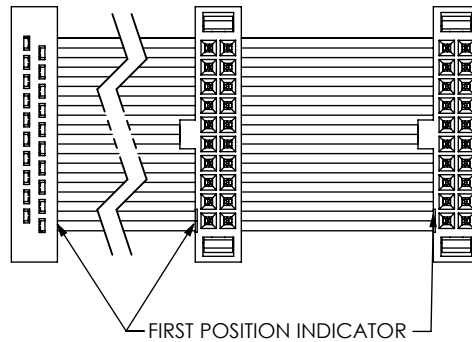
$XX.XX[XX.X \times 25.4] \pm .13[3.2]$   
(MIN 2")



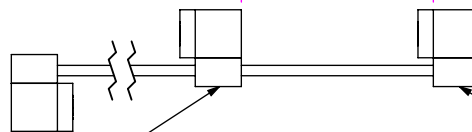
OUTSIDE CONNECTOR REVERSED WHEN DAISY CHAINED

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)



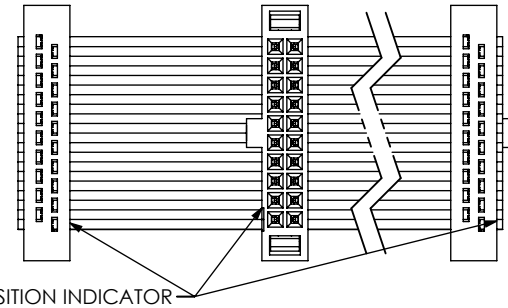
$XX.XX[XX.X \times 25.4] \pm .13[3.2]$   
(MIN 2")



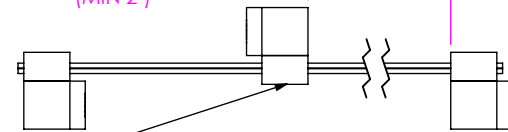
BOTH CONNECTORS REVERSED WHEN DAISY CHAINED

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)



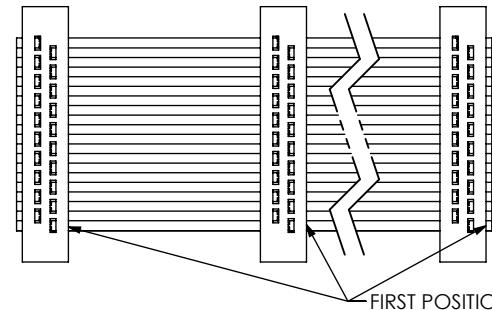
$XX.XX[XX.X \times 25.4] \pm .13[3.2]$   
(MIN 2")



MIDDLE CONNECTOR REVERSED WHEN DAISY CHAINED

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)



$XX.XX[XX.X \times 25.4] \pm .13[3.2]$   
(MIN 2")

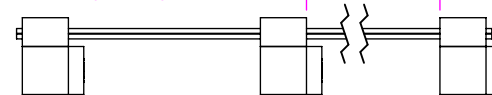


FIG 7

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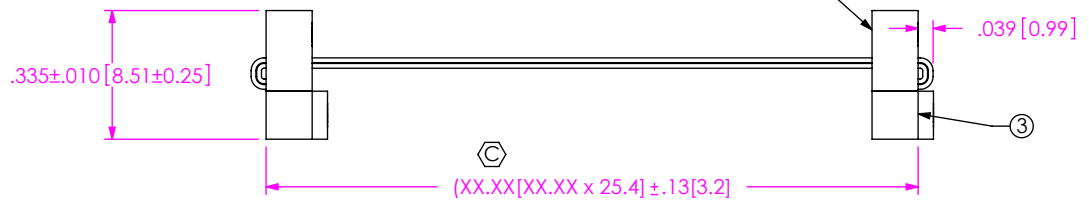
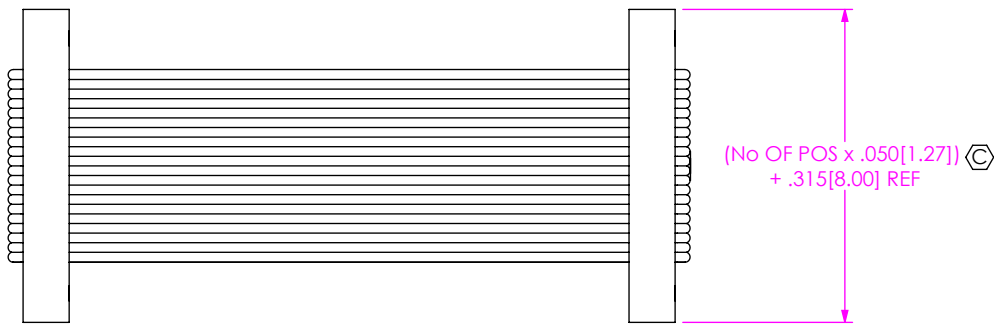
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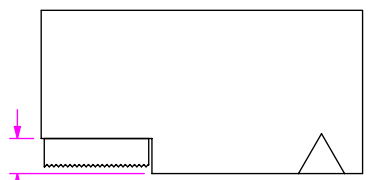
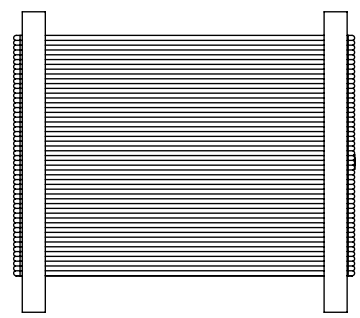
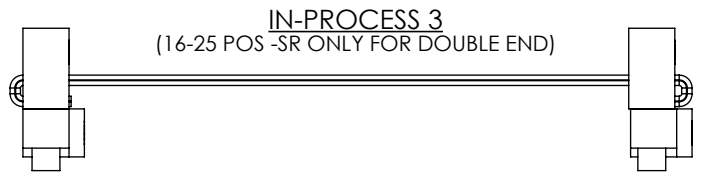
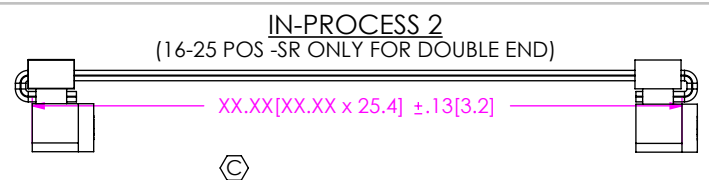
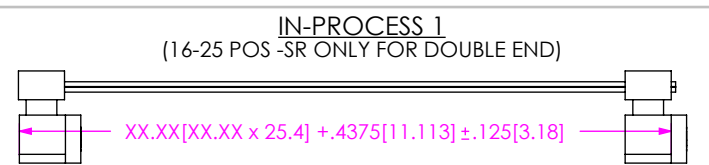
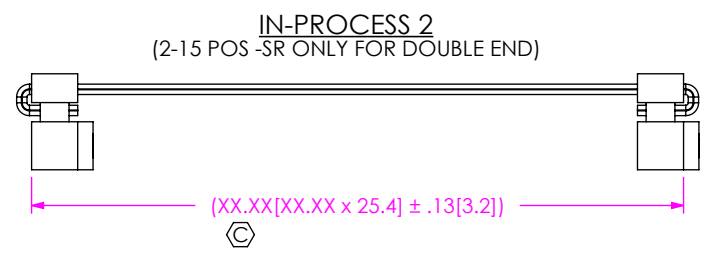
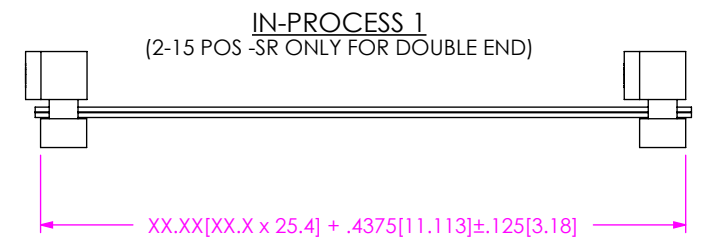
DESCRIPTION:  
.050 x .050 DOUBLE ROW FEMALE IDC ASSEMBLY

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

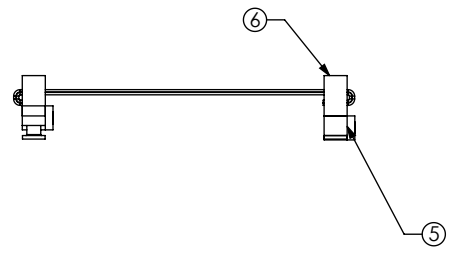
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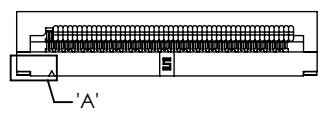
**FIG 9**  
 STRAIN RELIEF OPTION (POS 2-15 ONLY)  
 (FFSD-10-D-XX.XX-01-X-N-SR SHOWN)  
 (SAME AS FIG 1, DIFFERENT AS SHOWN)



**DETAIL 'A'**  
 SCALE 8 : 1



**FIG 10**  
 STRAIN RELIEF OPTION (POS 16-25 ONLY)  
 (FFSD-25-D-XX.XX-01-X-N-SR SHOWN)  
 (SAME AS FIG 9, DIFFERENT AS SHOWN)  
 SCALE 1 : 1



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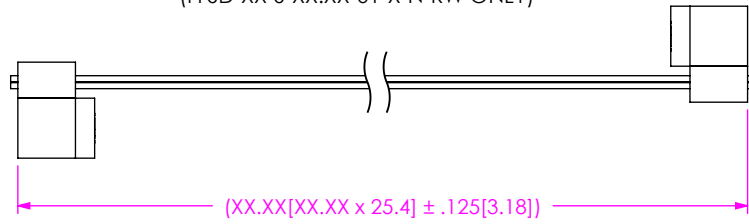


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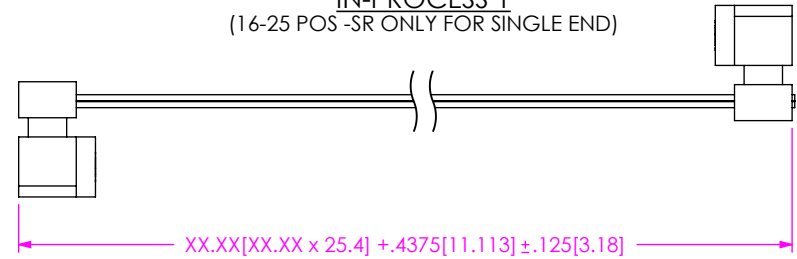
DESCRIPTION:  
 .050 x .050 DOUBLE ROW FEMALE IDC ASSEMBLY

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

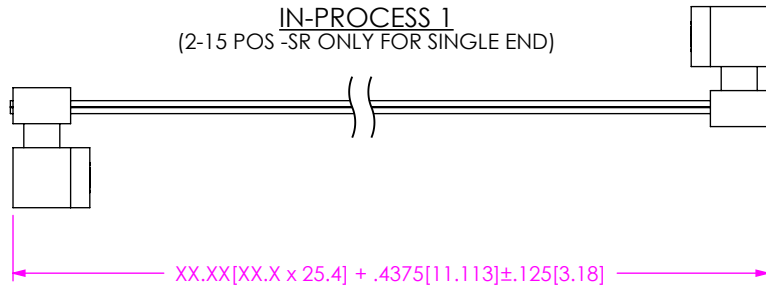
**IN-PROCESS 1**  
(FFSD-XX-S-XX.XX-01-X-N-RW ONLY)



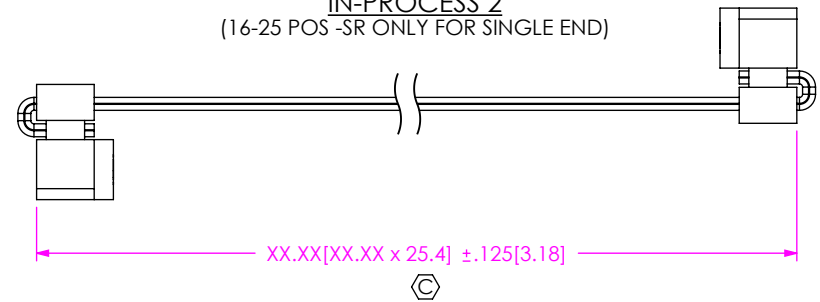
**IN-PROCESS 1**  
(16-25 POS -SR ONLY FOR SINGLE END)



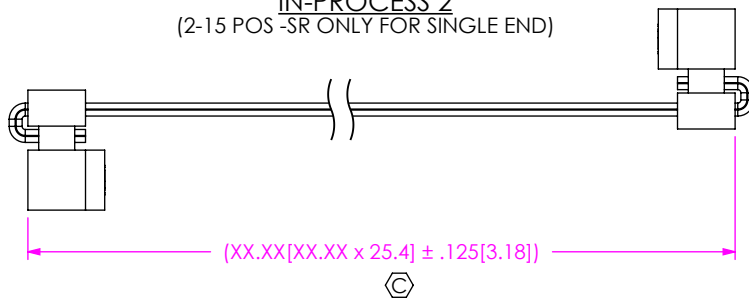
**IN-PROCESS 1**  
(2-15 POS -SR ONLY FOR SINGLE END)



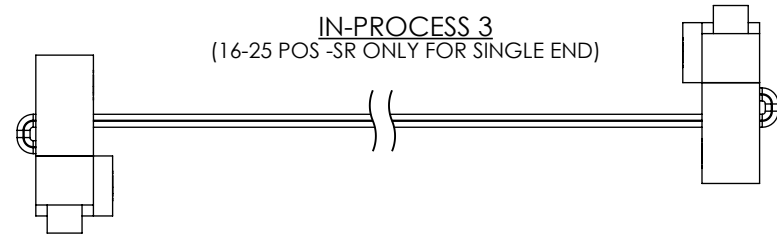
**IN-PROCESS 2**  
(16-25 POS -SR ONLY FOR SINGLE END)



**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.  
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