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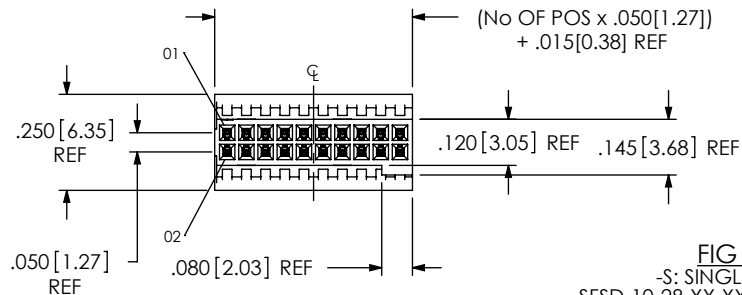
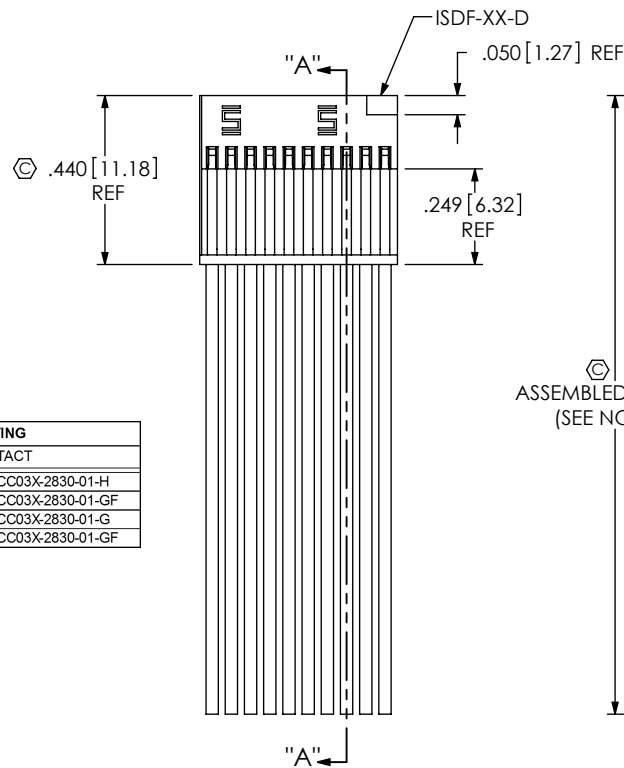


FIG 1  
-S: SINGLE END  
SFSD-10-28-XX-XX.XX-S SHOWN



ASSEMBLED LENGTH:  
(SEE NOTE 8)

SECTION "A"- "A"

SFSDX-XX-XXX-XX-XX.XX-XX-XXX

FEP CABLE OPTION  
-T: FEP (LEAVE BLANK FOR  
STANDARD PVC INSULATION)  
(SEE NOTE 9)

No OF POSITIONS  
-02 THRU -50  
(PER ROW)

WIRE GAUGE (AWG)  
-28, -30

COLOR CODE:

LEAVE BLANK FOR ALL BLACK WIRE  
C: COLOR CODED WIRE  
(SEE TABLE 4, SHT 3)  
(NOT AVAILABLE WITH FEP OPTION)

PLATING SPECIFICATION

-H: 30μ" HEAVY GOLD IN CONTACT AREA,  
3μ" GOLD ON TAIL  
-G: 10μ" LIGHT GOLD IN CONTACT AREA,  
3μ" GOLD ON TAIL  
-F: 3μ" FLASH GOLD IN CONTACT AREA,  
3μ" GOLD ON TAIL  
-GF: 3μ" FLASH SELECTIVE IN CONTACT AREA,  
3μ" GOLD ON TAIL  
(ONLY AVAILABLE TO EXISTING  
CUSTOMERS; SEE -F PLATING)  
(SEE TABLE 3, SHEET 1)

ASSEMBLED LENGTH

SPECIFY IN INCHES  
(SINGLE END: 03.00 INCH [76.2mm]  
MINIMUM,  
DOUBLE END: 03.25 INCH [82.6mm]  
MINIMUM)

-NXX OPTION (END 2)

(ONLY AVAILABLE WITH -D, -DL, -DR & -DS)  
-NUS: NOTCH UP, STRAIGHT  
(PIN 1 TO PIN N-1)  
-NDS: NOTCH DOWN, STRAIGHT  
(PIN 1 TO PIN 2)  
-NUX: NOTCH UP, CROSSED  
(PIN 1 TO PIN N)  
-NDX: NOTCH DOWN, CROSSED  
(PIN 1 TO PIN 1)

END OPTION

(END OPTION COMBINATIONS NOT AVAILABLE)

-S: SINGLE END  
-D: DOUBLE END  
(MUST CHOOSE FROM -NXX OPTIONS)  
-SL: SINGLE ENDED WITH FRICTION LOCK  
(SEE SHEET 2, FIG 3)(ONLY AVAILABLE ON  
\*5,\*7, 10 THRU 50 POSITION)  
-DL: DOUBLE ENDED WITH FRICTION LOCK  
(SEE SHEET 2, FIG 4) (ONLY AVAILABLE  
ON \*5,\*7, 10 THRU 50 POSITION)  
(MUST CHOOSE FROM -NXX OPTIONS)  
-SR: SINGLE ENDED WITH RETENTION LATCH  
(SEE SHEET 3, FIG 5)  
(ONLY AVAILABLE ON -02 THRU -50 POS)  
-DR: DOUBLE ENDED WITH RETENTION LATCH  
(SEE SHEET 3, FIG 6)  
(ONLY AVAILABLE ON -02 THRU -50 POS)  
(MUST CHOOSE FROM -NXX OPTIONS)  
-SS: DUAL SCREW DOWN, SINGLE ENDED CABLE  
(SEE SHT 4, FIG 7)  
(NOT AVAILABLE WITH OPTIONS SL, DL, SR & DR  
USES ISDF-XX-D-DS, CPS-RR-XX-XX-X & ACCRT-01)  
-DS: DUAL SCREW DOWN, DOUBLE ENDED CABLE  
(SEE SHT 4, FIG 8)  
(NOT AVAILABLE WITH OPTIONS SL, DL, SR & DR  
USES ISDF-XX-D-DS, CPS-RR-XX-XX-X & ACCRT-01,  
MUST CHOOSE FROM NXXX OPTIONS)

(\* = NOT AVAILABLE WITH POLARIZATION KEY)

| TABLE 3: PLATING |                                   |
|------------------|-----------------------------------|
| PLATING          | CONTACT                           |
| -H               | C-203-2830-H or CC03X-2830-01-H   |
| -GF              | C-203-2830-GF or CC03X-2830-01-GF |
| -G               | C-203-2830-G or CC03X-2830-01-G   |
| -F               | C-203-2830-GF or CC03X-2830-01-GF |

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PULLOUT FORCE: 3.0 LBS [13.3 N].
3. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
4. ALL FINISHED GOODS ARE TO BE ELECTRICAL TESTED INCLUDING HI-POT TEST AT 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET STAMP ON THE BODY.
5. TINNED COPPER WIRE IS RoHS COMPLIANT.
6. PARTS TO BE LAYER PACKAGED.
7. NOTE DELETED.
8. FOR LENGTHS LESS THAN 12 in, TOLERANCE SHALL BE +/- .125. FOR OTHER LENGTHS, TOLERANCE SHALL BE +/- .2%.
9. SINGLE ENDED ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
10. REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS.
11. 3LB MIN WIRE CRIMP STRENGTH FOR -30 AWG AND 4.5LB MIN WIRE CRIMP STRENGTH FOR -28 AWG.
12. NOTE DELETED.

| TABLE 1 |            |               |
|---------|------------|---------------|
| SERIES  | WIRE GAUGE | CABLE         |
| SFSD    | 28 AWG     | DWC-28-XX-300 |
| SFSD    | 30 AWG     | DWC-30-XX-300 |
| SFSDT   | 28 AWG     | DWCT-28-XX-TC |
| SFSDT   | 30 AWG     | DWCT-30-XX-TC |

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: LCP UL 94V-0, COLOR: BLACK  
CONTACT: BeCu  
CABLE INSULATION: PVC OR FEP  
WIRE: DWC: TINNED COPPER.

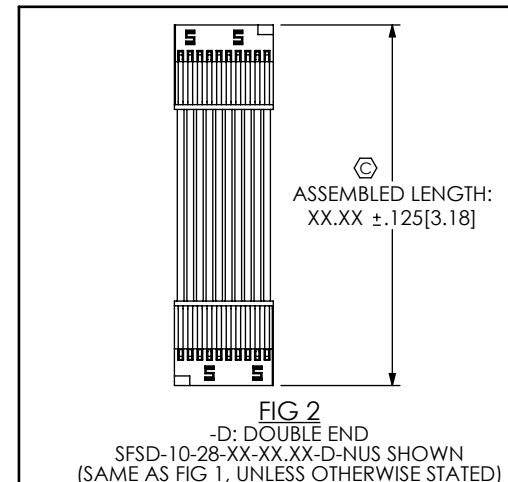


FIG 2

-D: DOUBLE END  
SFSD-10-28-XX-XX.XX-D-NUS SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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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:  
.050 [1.27] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.  
SFSDX-XX-XXX-XX-XX.XX-XX-XXX

BY: BRATCHER 5/5/2005 SHEET 1 OF 4

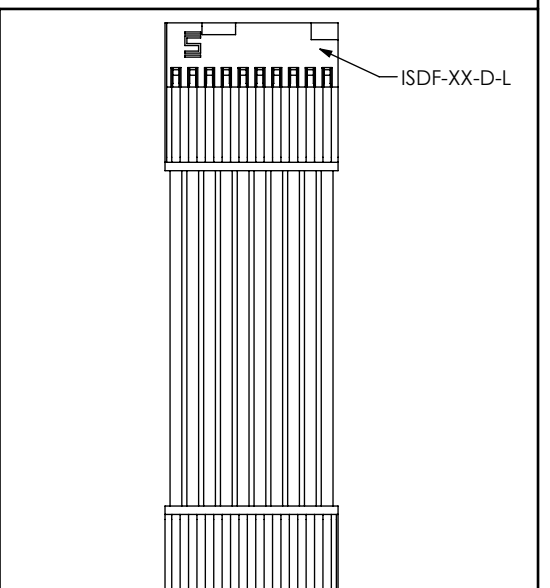
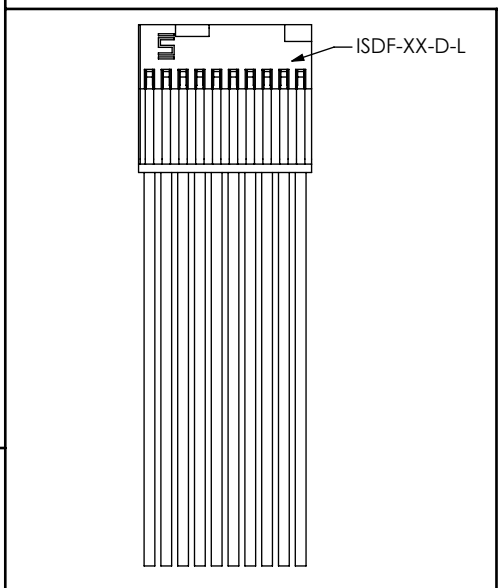
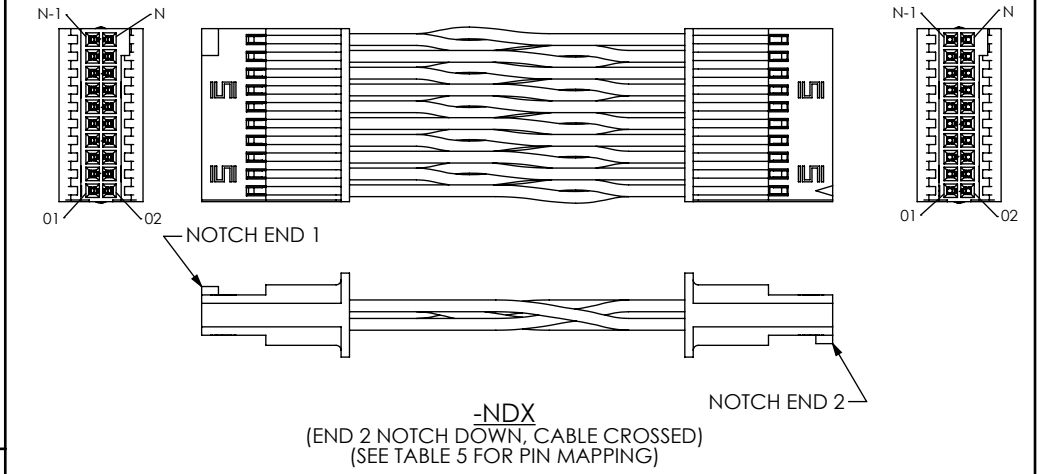
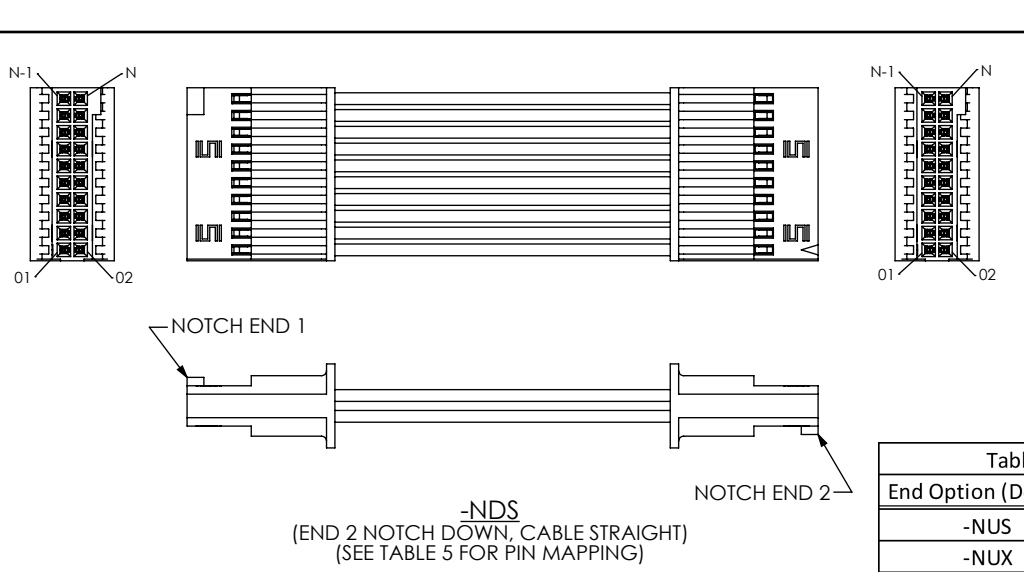
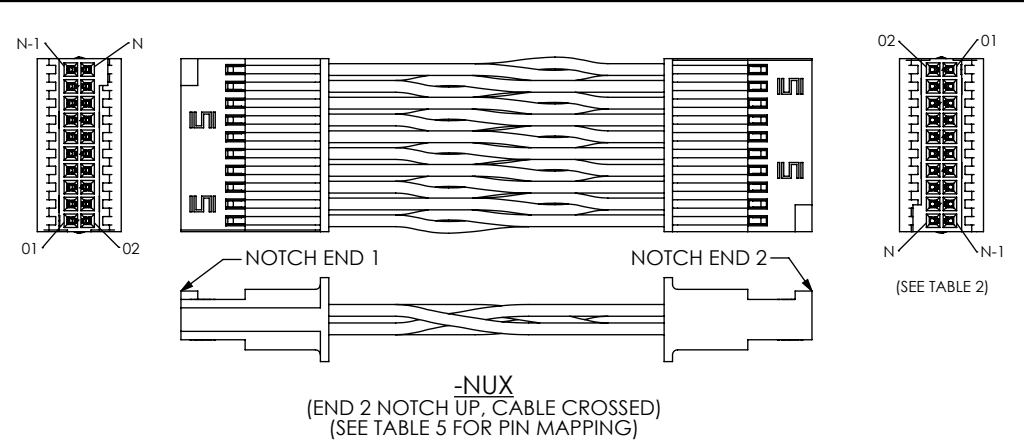
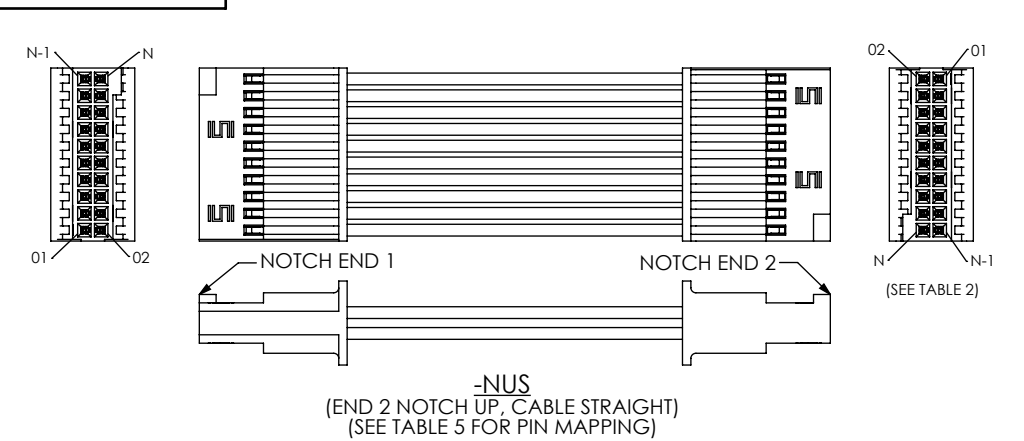


FIG 3  
-SL: SINGLE END FRICTION LOCK  
SFSDX-10-28-XX-XX.XX-SL SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

FIG 4  
-DL: DOUBLE END FRICTION LOCK  
SFSDX-10-28-XX-XX.XX-DL-NUS SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

| Table 5- Pin Mapping |       |       |
|----------------------|-------|-------|
| End Option (Double)  | END 1 | END 2 |
| -NUS                 | 01    | N-1   |
| -NUX                 | 01    | N     |
| NDS                  | 01    | 2     |
| -NDX                 | 01    | 1     |

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e-Mail info@SAMTEC.com code 55322

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.050[1.27] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.  
SFSDX-XX-XXX-XX-XX.XX-XX-XXX

BY: BRATCHER 5/5/2005 SHEET 2 OF 4

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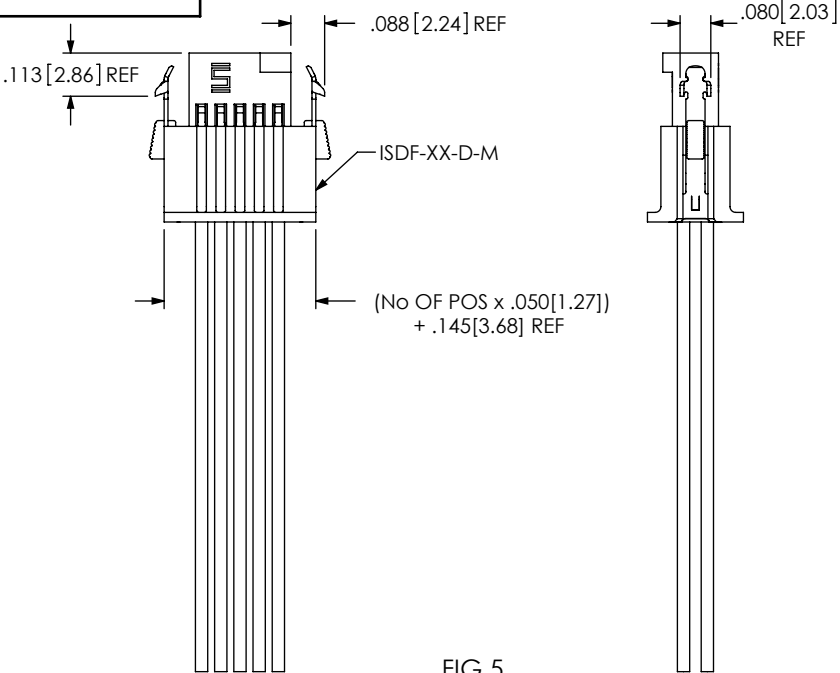


FIG 5  
-SR: SINGLE END WITH RETENTION LATCH  
SFSDX-10-28-XX-XX.XX-SR SHOWN  
(ONLY AVAILABLE ON -02 THRU -50 POS)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

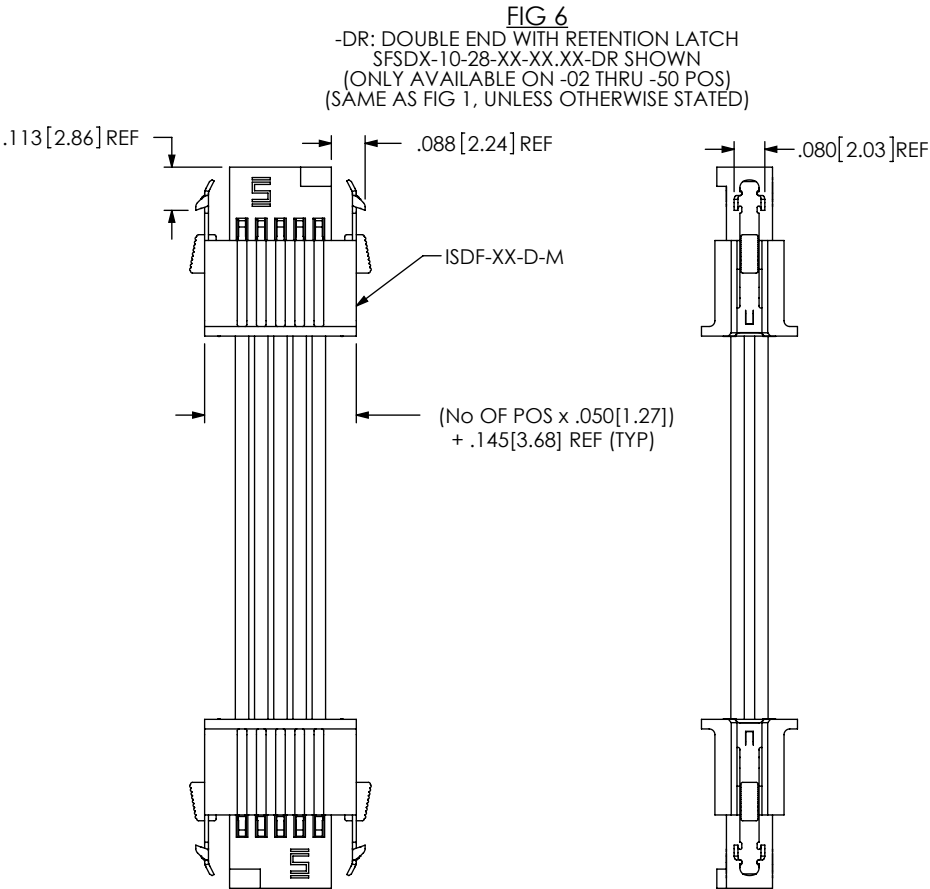


FIG 6  
-DR: DOUBLE END WITH RETENTION LATCH  
SFSDX-10-28-XX-XX.XX-DR SHOWN  
(ONLY AVAILABLE ON -02 THRU -50 POS)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

TABLE 4

SFSD color coded wire sequence

|       | COLOR         |               |               |               |               |               |               |               |               |               |
|-------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|       | brown         | red           | orange        | yellow        | green         | violet        | gray          | white         | black         | blue          |
|       | DWC-XX-01-300 | DWC-XX-02-300 | DWC-XX-03-300 | DWC-XX-04-300 | DWC-XX-05-300 | DWC-XX-07-300 | DWC-XX-08-300 | DWC-XX-09-300 | DWC-XX-10-300 | DWC-XX-13-300 |
| pin # | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
|       | 11            | 12            | 13            | 14            | 15            | 16            | 17            | 18            | 19            | 20            |
|       | 21            | 22            | 23            | 24            | 25            | 26            | 27            | 28            | 29            | 30            |
|       | 31            | 32            | 33            | 34            | 35            | 36            | 37            | 38            | 39            | 40            |
|       | 41            | 42            | 43            | 44            | 45            | 46            | 47            | 48            | 49            | 50            |
|       | 51            | 52            | 53            | 54            | 55            | 56            | 57            | 58            | 59            | 60            |
|       | 61            | 62            | 63            | 64            | 65            | 66            | 67            | 68            | 69            | 70            |
|       | 71            | 72            | 73            | 74            | 75            | 76            | 77            | 78            | 79            | 80            |
|       | 81            | 82            | 83            | 84            | 85            | 86            | 87            | 88            | 89            | 90            |
|       | 91            | 92            | 93            | 94            | 95            | 96            | 97            | 98            | 99            | 100           |

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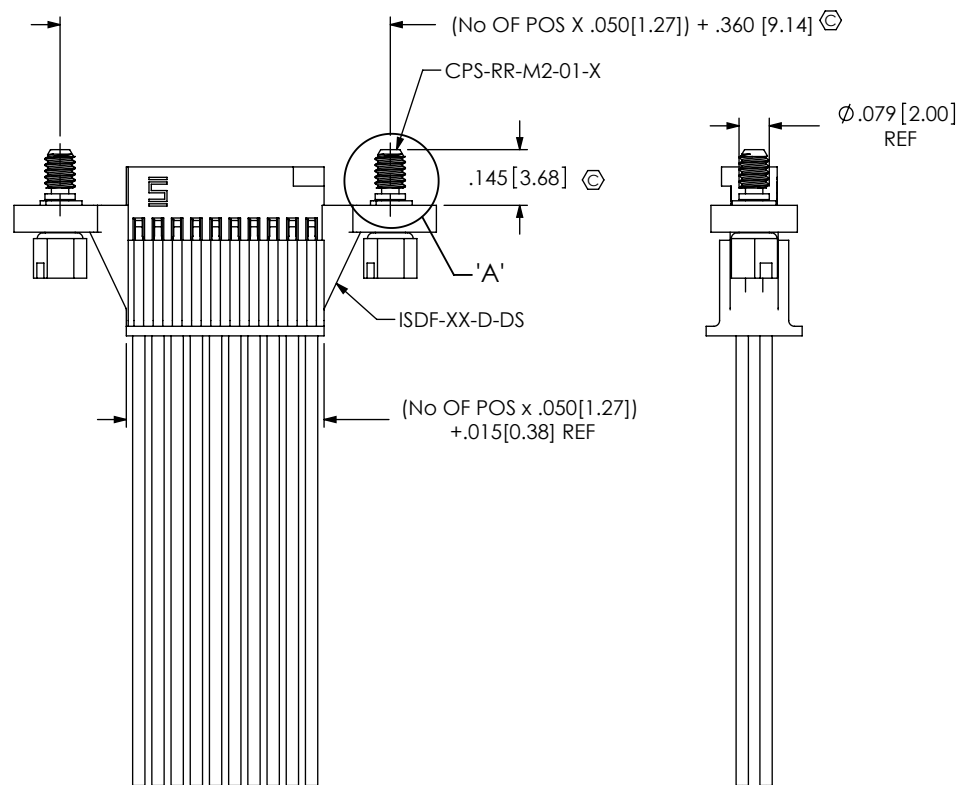
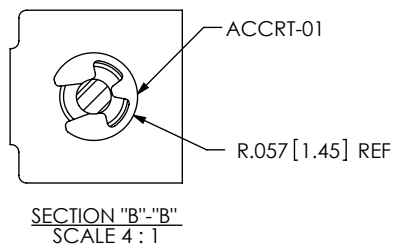
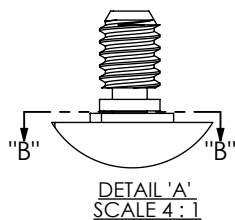


FIG 7  
-SS: SINGLE END WITH SCREW DOWN  
SFSDX-10-XXX-XX-XX.XX-SS SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



F:\DWG\MISC\MKTG\SFSDX-XX-XXX-XX-XX-XXX-MKT.SLDDRW

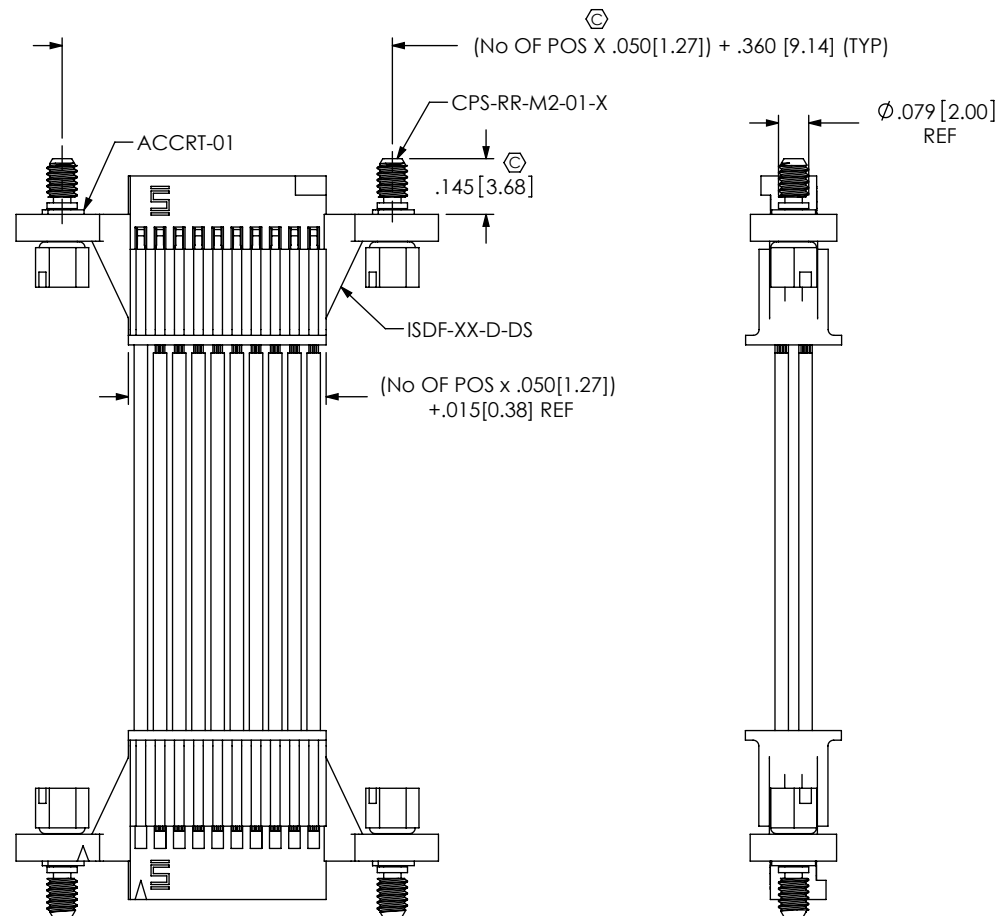


FIG 8  
-DS: DOUBLE END WITH SCREW DOWN  
SFSDX-10-XXX-XX-XX.XX-DS-ND SHOWN  
MUST CHOOSE FROM -NXXX OPTIONS  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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