

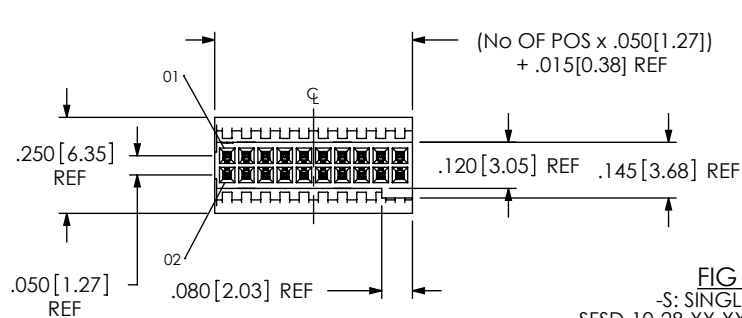
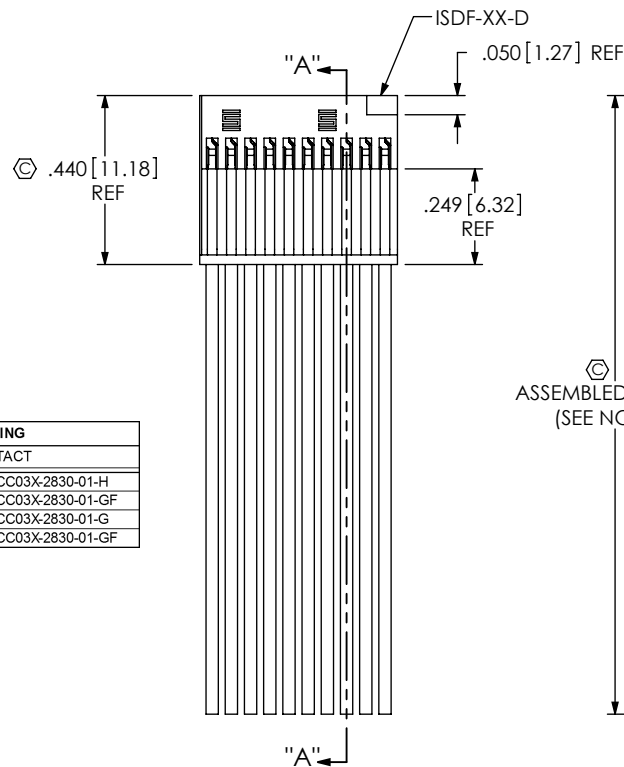
DO NOT
SCALE FROM
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FIG 1
-S: SINGLE END
SFSD-10-28-XX-XX.XX-S SHOWN



ASSEMBLED LENGTH:
(SEE NOTE 8)

SECTION "A"-"A"

DWCX-XX-XX-300

POLARIZATION KEY

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

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

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.
9. FOR OTHER LENGTHS, TOLERANCE SHALL BE +/- 2%.
9. NOTE DELETED.
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.
13. -TC TEFLON USE FOR DOUBLE ENDED ASSEMBLIES ONLY,
ALL SINGLE ENDED ASSEMBLIES USE SILVER PLATED DWCT-XX-01.
14. CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.

TABLE 1		
SERIES	WIRE GAUGE	CABLE
SFSD	28 AWG	DWC-28-XX-300
SFSD	30 AWG	DWC-30-XX-300
SFSDT (SEE NOTE 13)	28 AWG	DWCT-28-XX-TC
SFSDT (SEE NOTE 13)	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: DWCT: TINNED COPPER.

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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 5

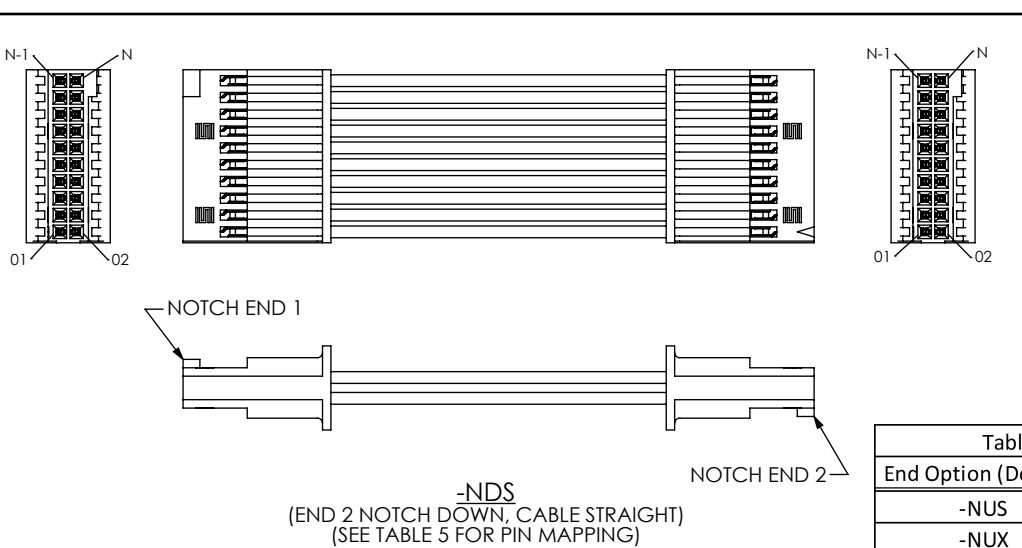
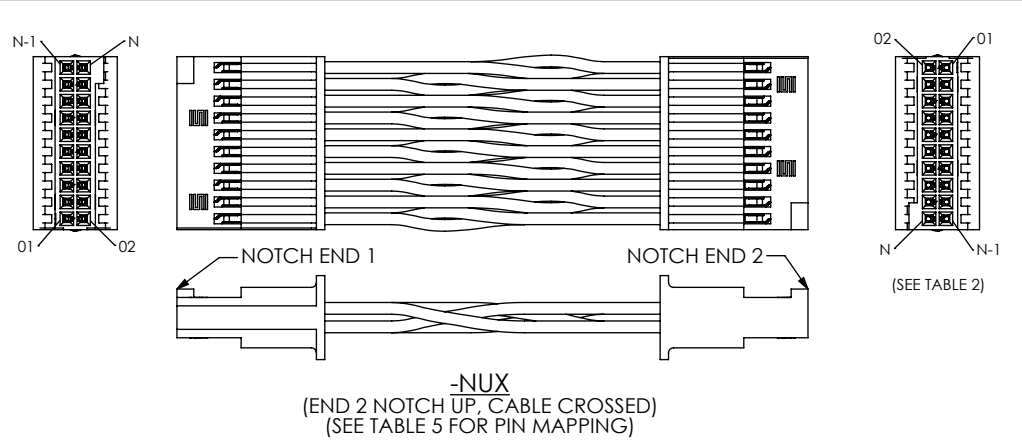
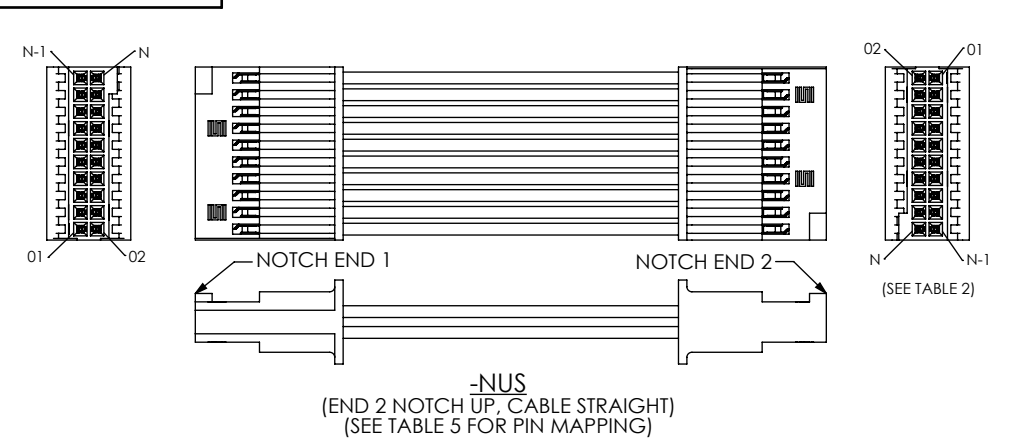
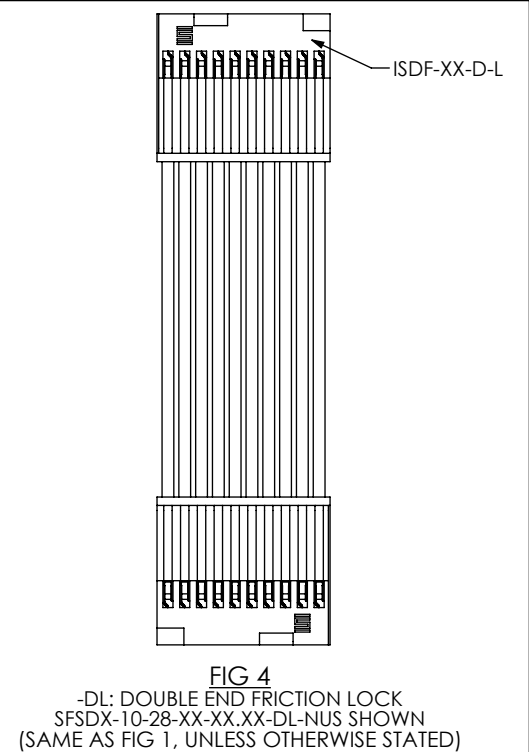
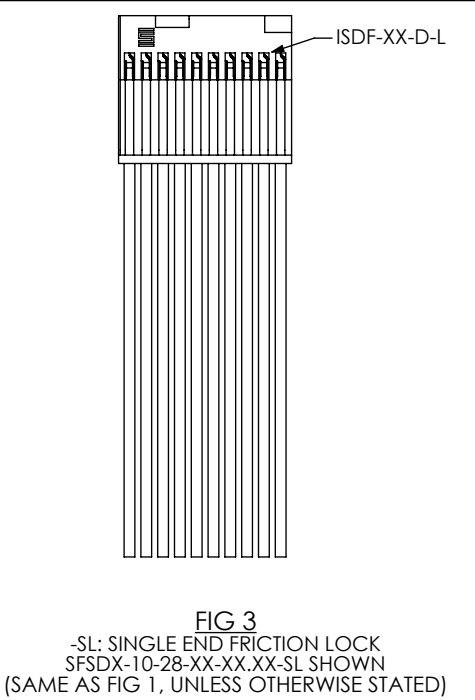
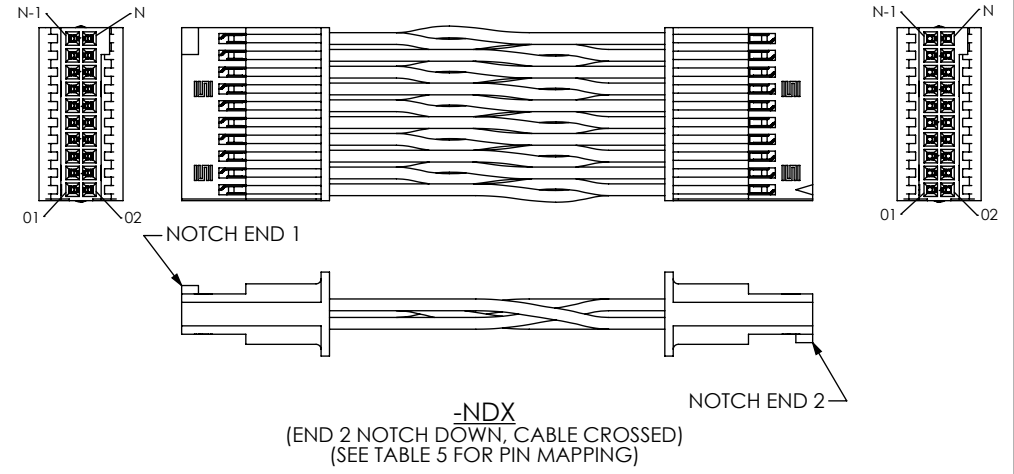


Table 5- Pin Mapping		
End Option (Double)	END 1	END 2
-NUS	01	N-1
-NUX	01	N
NDS	01	2
-NDX	01	1



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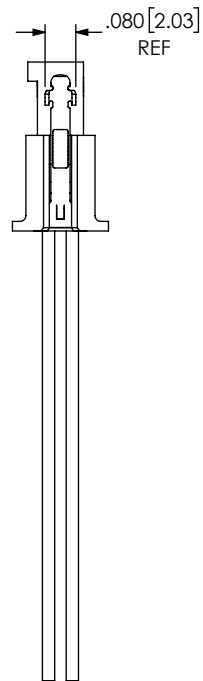
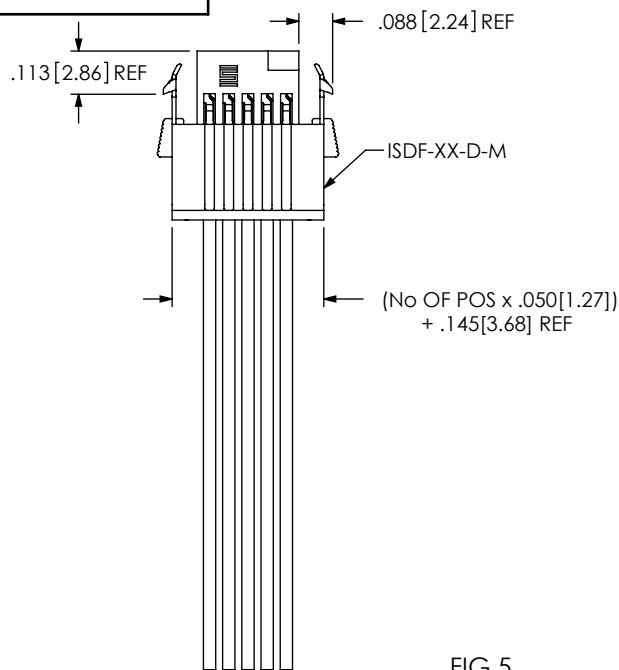


FIG 5
-SR: SINGLE END WITH RETENTION LATCH
SFSDX-05-28-XX-XX.XX-SR SHOWN
(ONLY AVAILABLE ON -02 THRU -50 POS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

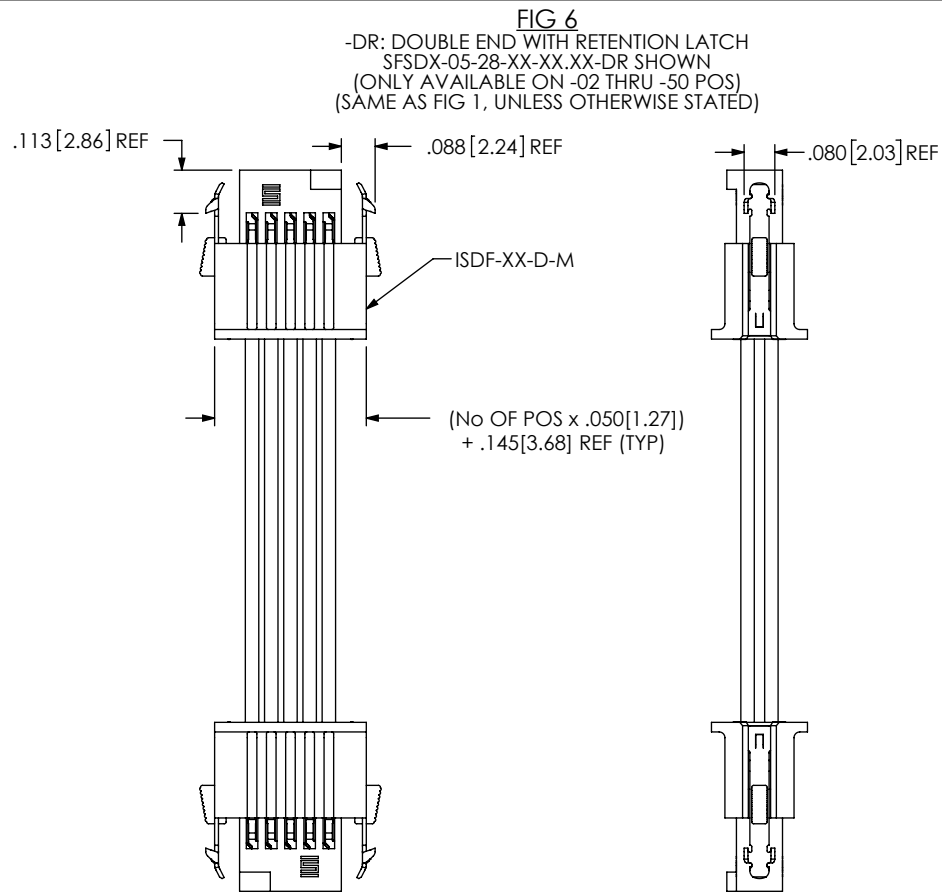


TABLE 4

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

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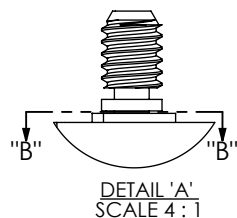
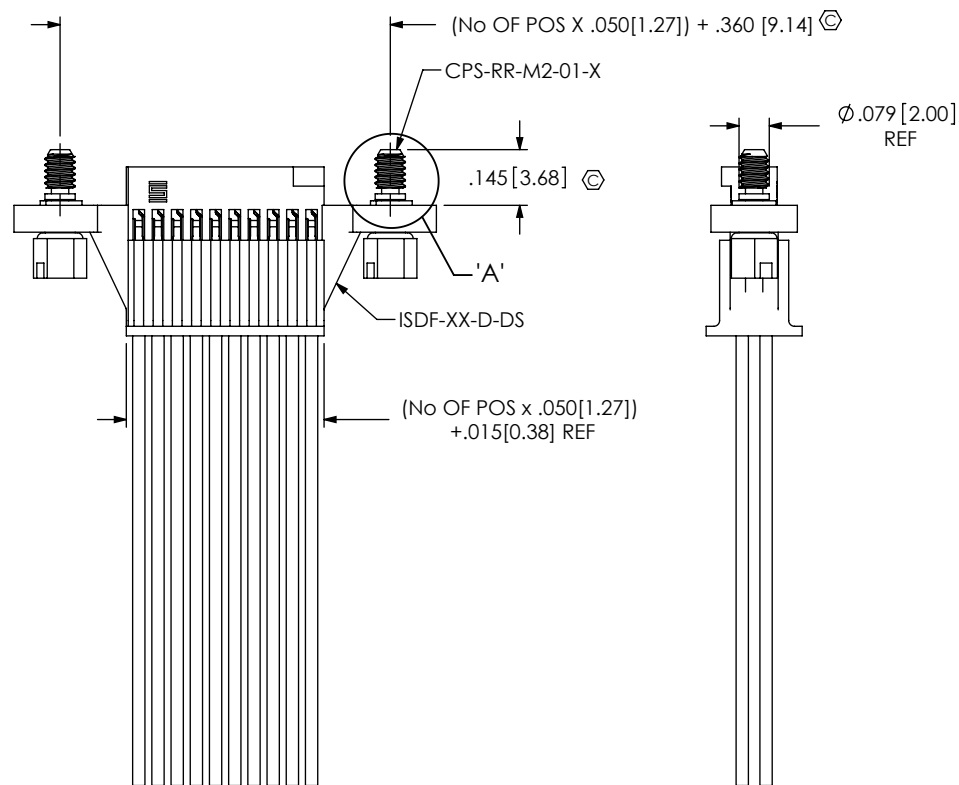
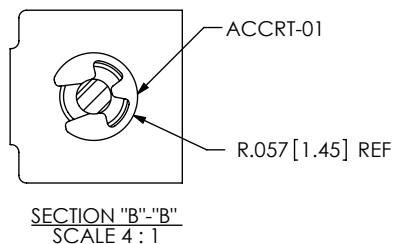


FIG 7
-SS: SINGLE END WITH SCREW DOWN
SFSDX-10-XXX-XX-XX.XX-SS SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



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

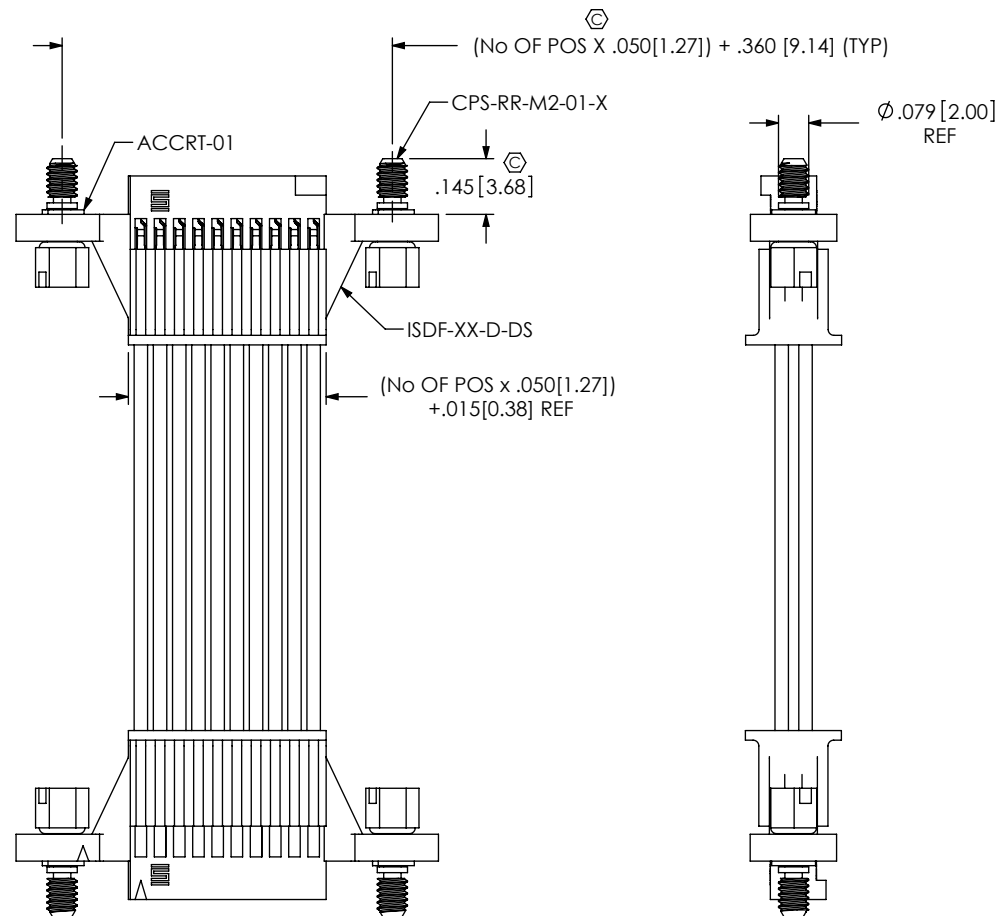


FIG 8
-DS: DOUBLE END WITH SCREW DOWN
SFSDX-10-XXX-XX-XX.XX-DS-ND S SHOWN
MUST CHOOSE FROM -NXXX OPTIONS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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SHEET 4 OF 5

CABLE CUT IN-PROCESS

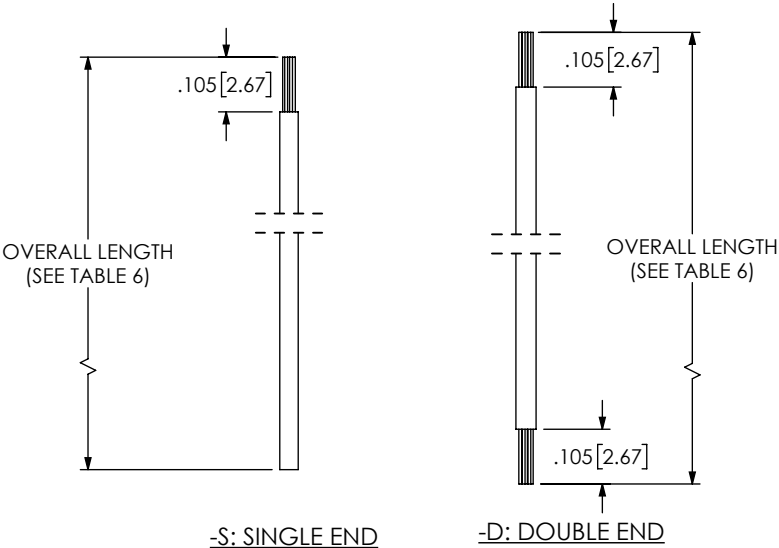


TABLE 6 (OVERALL LENGTH SUBTRACTORS) (SEE NOTE 14)	
	LENGTH
-S: SINGLE END	.249 [6.325]
-D: DOUBLE END	.448 [11.379]

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[SFSD-10-28-G-18.00-D-NUS](#) [SFSD-07-28-G-03.25-S](#) [SFSD-07-28-H-72.00-SR](#) [SFSD-10-28-G-76.20-S](#) [SFSD-08-28-](#)
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