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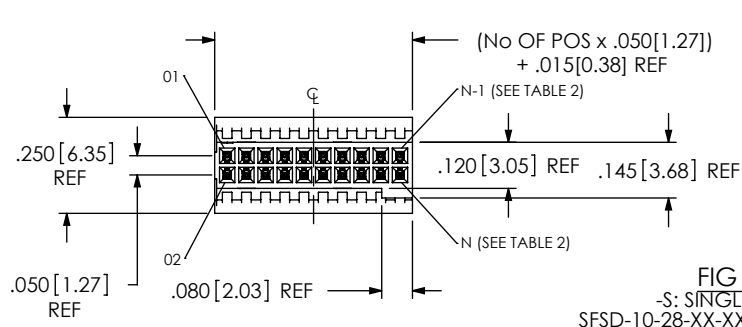
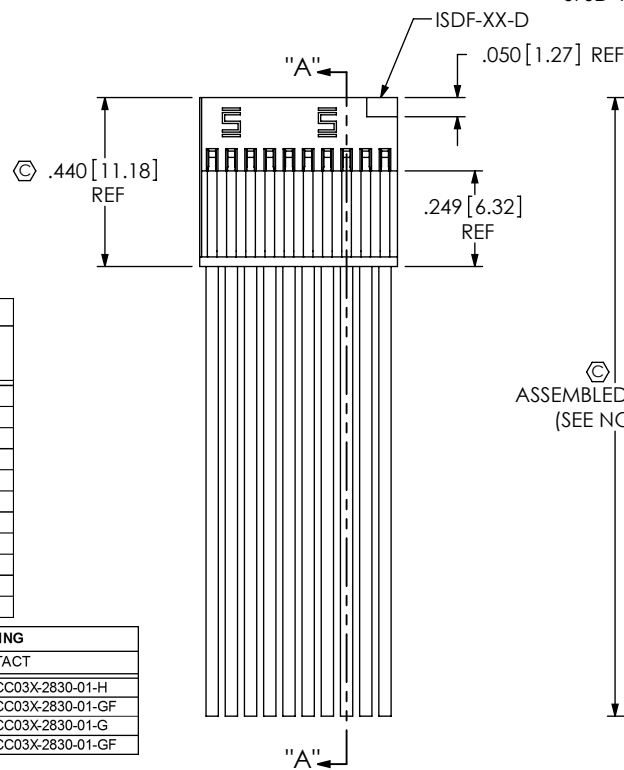


FIG 1
-S: SINGLE END
SFSD-10-28-XX-XX.XX-S SHOWN



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, -04, -05, -07, -10, -15, -20, -25,
-30 -35 -40, -45, & -50 (PER ROW)
AVAILABLE AS STANDARD
-02 THRU -50 AVAILABLE AS ASO
WIRE GAUGE (AWG)
-28, -30

COLOR CODE:
LEAVE BLANK FOR ALL BLACK WIRE
C: COLOR CODED WIRE, SEE COLOR
SEQUENCE TABLE, SHEET 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)
-NXX: 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)
-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)
(ONLY AVAILABLE ON 02 THRU 40 POSITIONS)
(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)
(ONLY AVAILABLE ON 02 THRU 40 POSITIONS)
(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)

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(* = NOT AVAILABLE WITH POLARIZATION KEY)

TABLE 2		
No. OF POSITIONS	N	N-1
-05	10	09
-07	14	13
-10	20	19
-15	30	29
-20	40	39
-25	50	49
-30	60	59
-35	70	69
-40	80	79
-45	90	89
-50	100	99

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.
5. TINNED COPPER WIRE IS RoHS COMPLIANT.
6. PARTS TO BE LAYER PACKAGED.
7. END OF DISCRETE WIRE MUST BE IN THE RANGE AFTER CRIMP.
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.

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, COLOR: BLACK
CONTACT: BeCu
CABLE INSULATION: PVC OR FEP, SEE CALLOUT
WIRE: DWC: TINNED COPPER, DWCT: TIN
PLATED COPPER
(SEE TABLE 1)

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

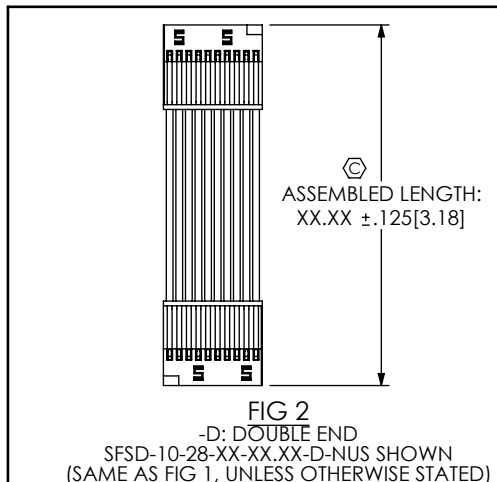
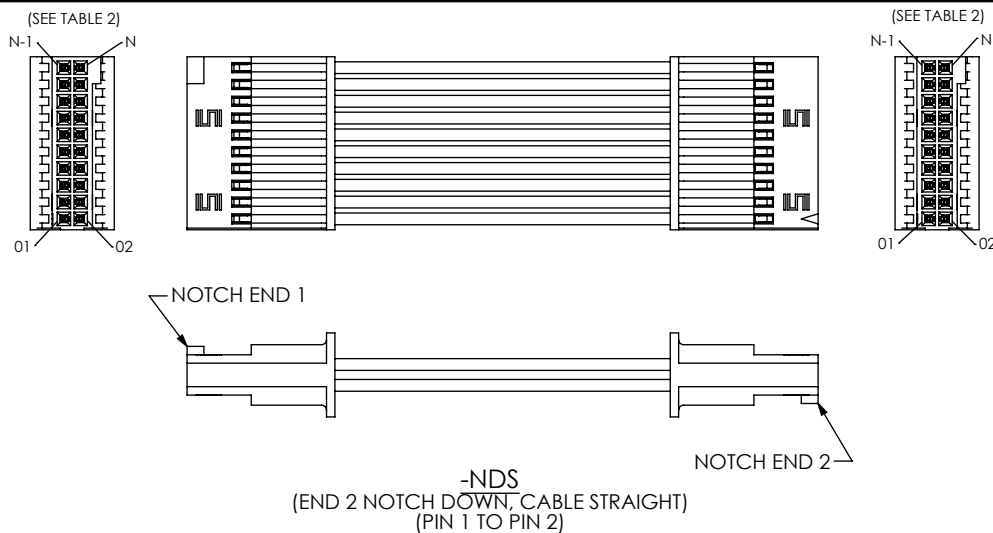
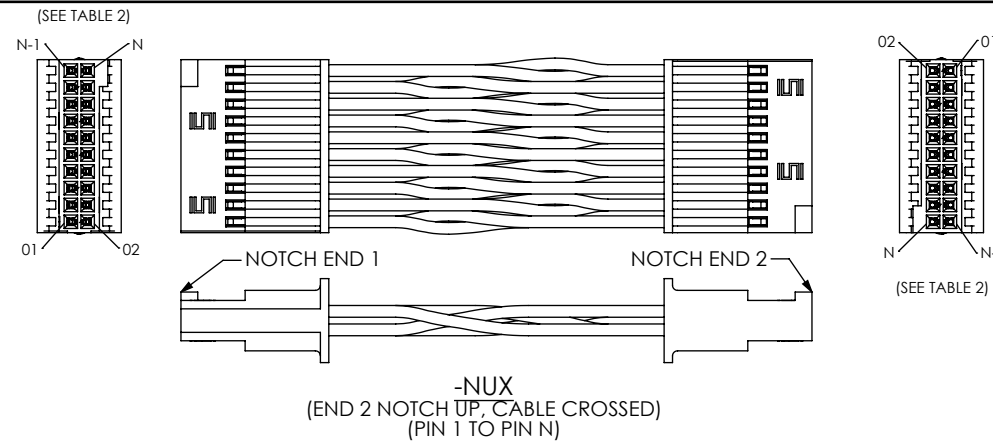
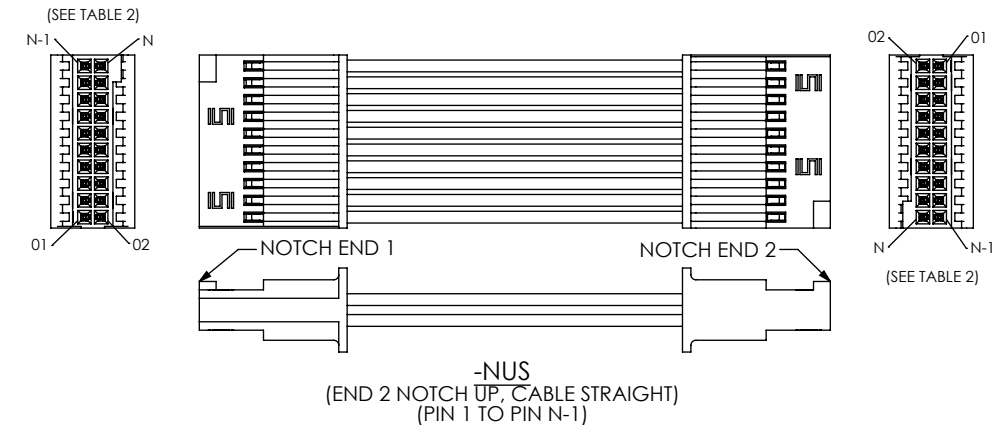


FIG 2
-D: DOUBLE END
SFSD-10-28-XX-XX.XX-D-NUS SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



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

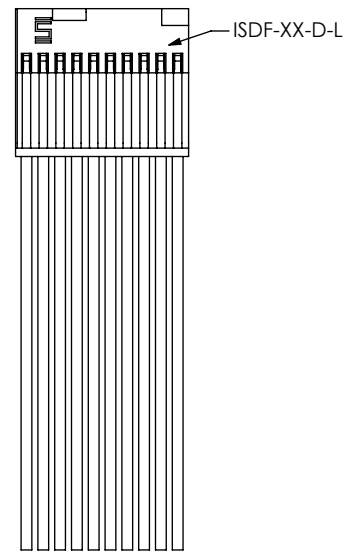
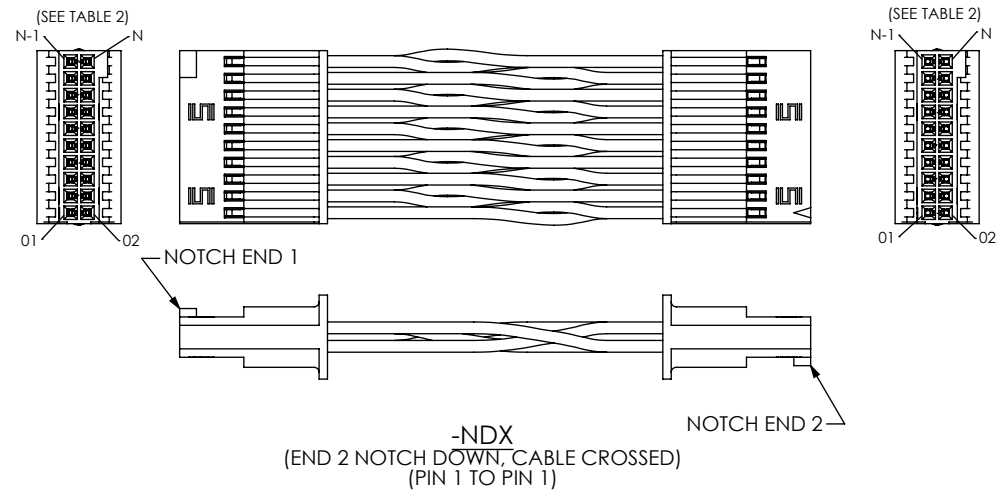


FIG 3

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

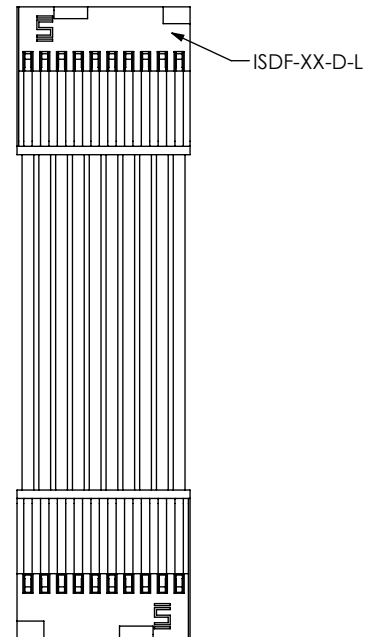


FIG 4

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

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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 2 OF 4

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)

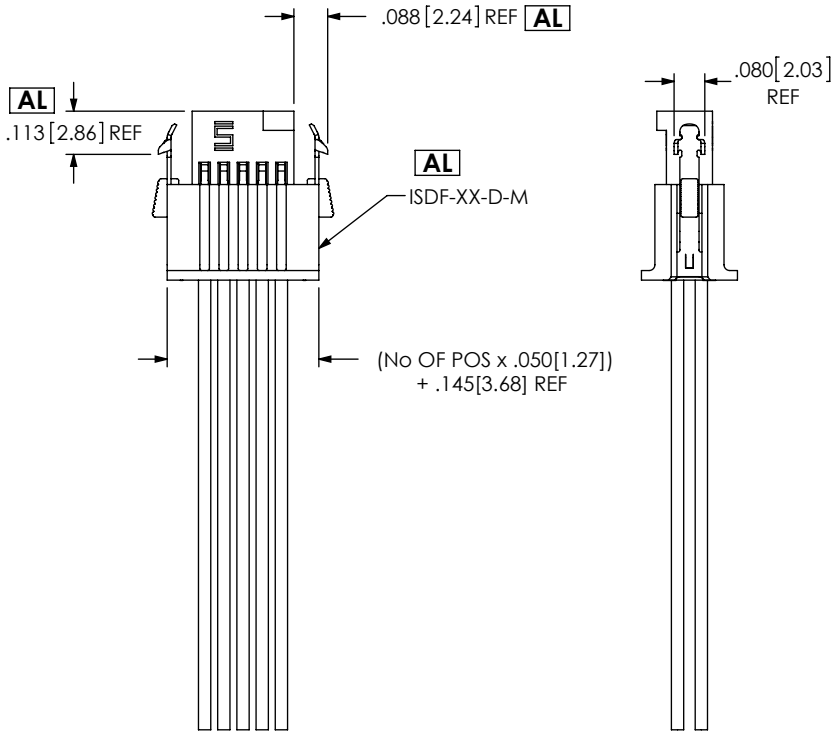
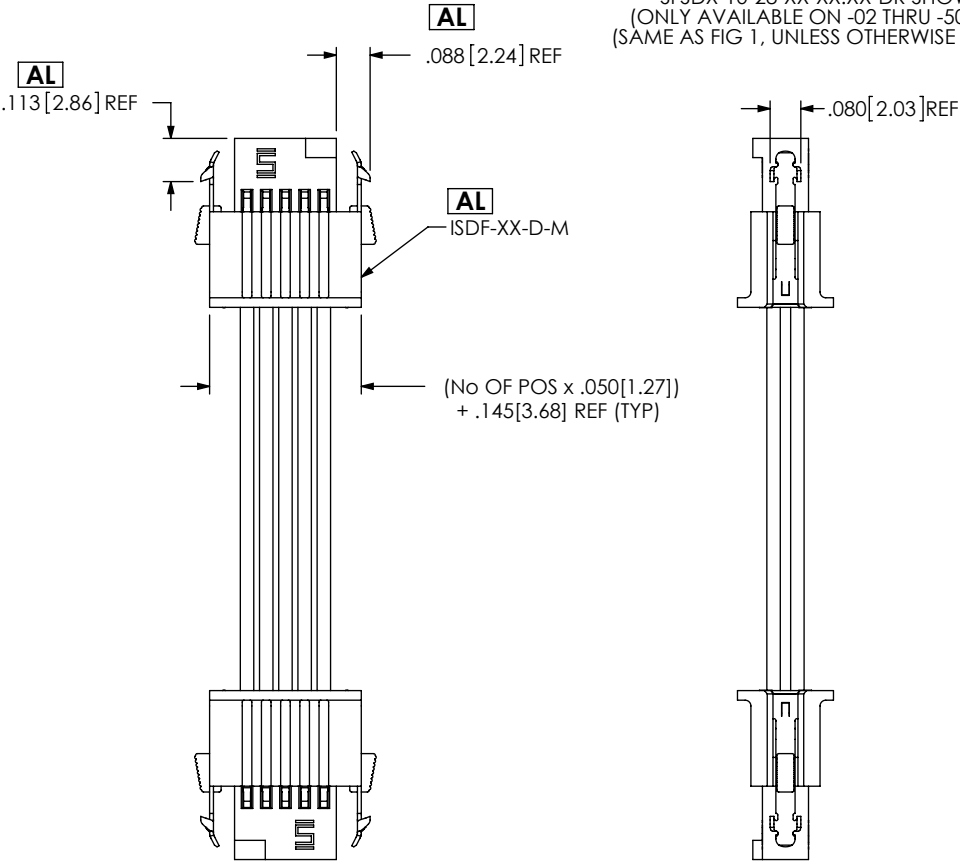


FIG 6
-DR: DOUBLE END WITH RETENTION LATCH
SFSDX-10-28-XX-XX.XX-DR SHOWN
(ONLY AVAILABLE ON -02 THRU -50 POS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



SFSD color coded wire sequence

	COLOR									
	brown	red	orange	yellow	dk green	violet	gray	white	black	dk blue
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

BY: BRATCHER 5/5/2005 SHEET 3 OF 4

FIG 7

-SS: SINGLE END WITH SCREW DOWN
SFSDX-10-XXX-XX-01.60-SS SHOWN
(ONLY AVAILABLE ON -02 THRU -40 POS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

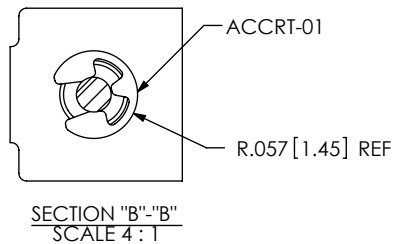
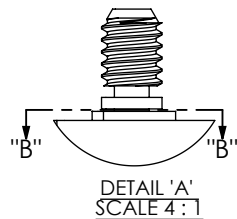
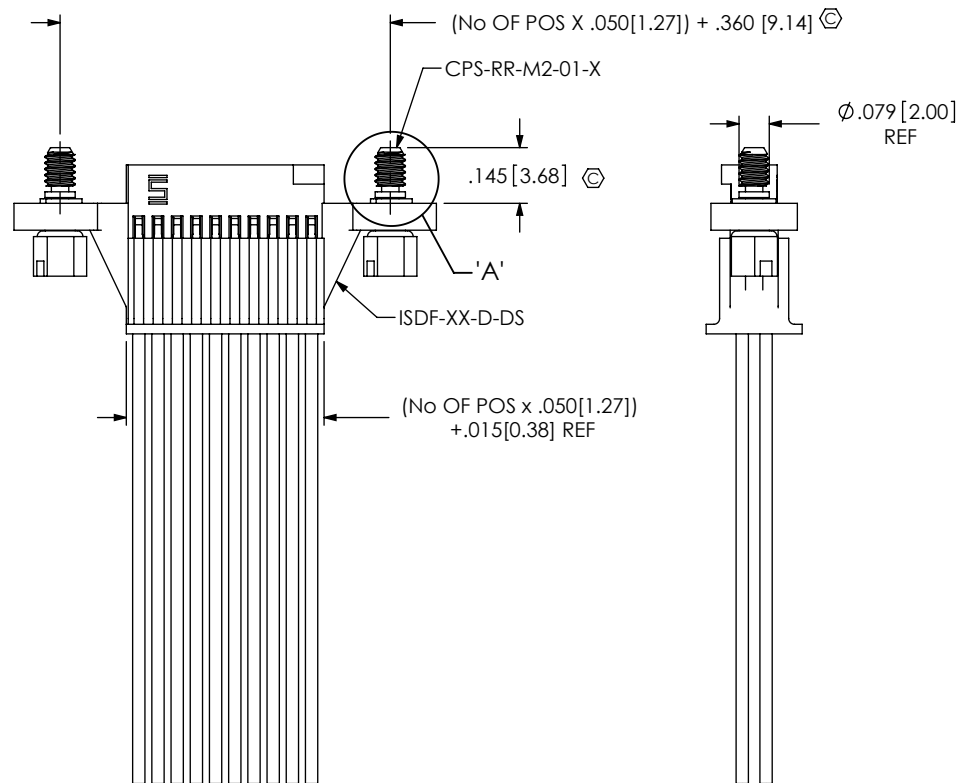
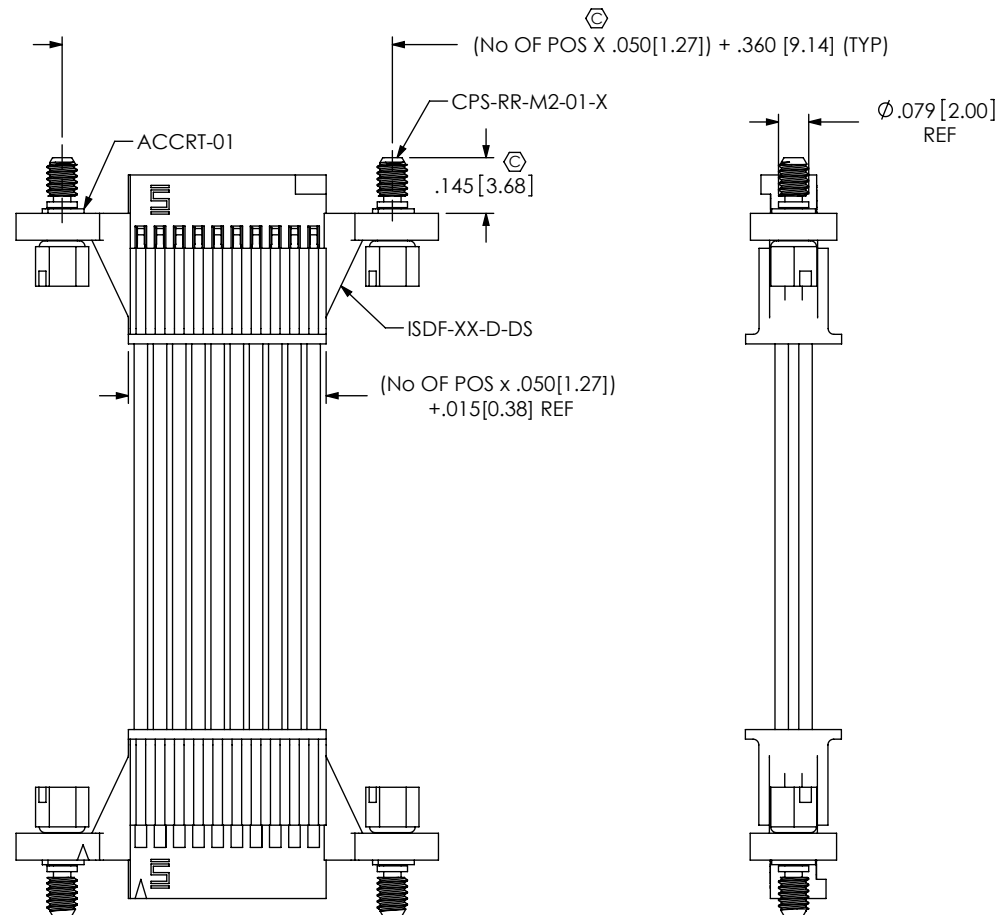


FIG 8

-DS: DOUBLE END WITH SCREW DOWN
SFSDX-10-XXX-XX-01.60-DS-NDS SHOWN
(ONLY AVAILABLE ON -02 THRU -40 POS)
MUST CHOOSE FROM -NXXX OPTIONS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)



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