

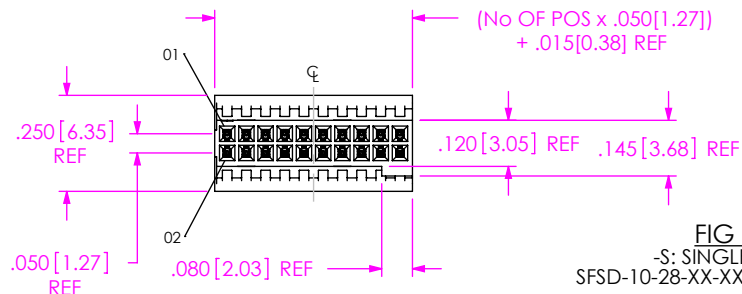
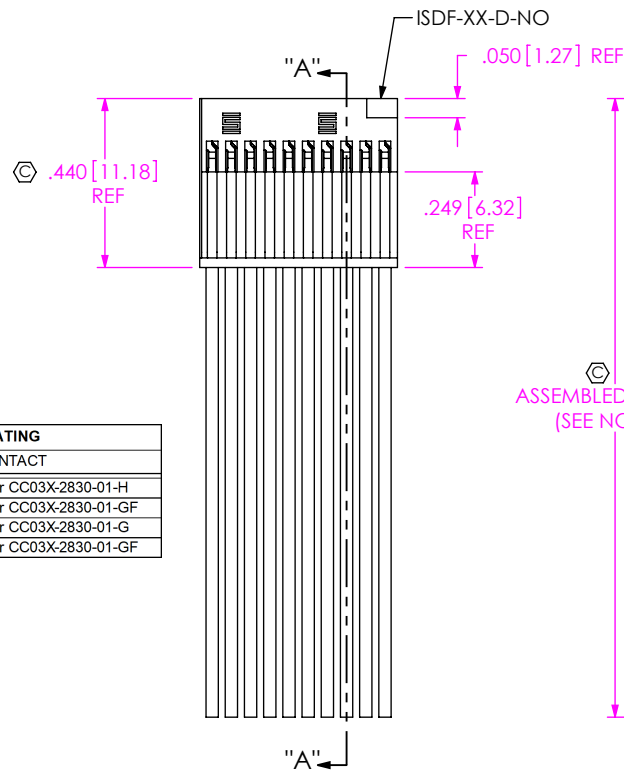
DO NOT
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FIG 1
-S: SINGLE END
SFSD-10-28-XX-XX-XX-S SHOWN



ASSEMBLED LENGTH:
(SEE NOTE 8)

SECTION "A"- "A"

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, SHEET 3)
(NOT AVAILABLE FOR TEFLON OPTION,
TEFLON CABLE ONLY AVAILABLE IN BLUE)
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)

DWCX-XX-XX-300

POLARIZATION KEY

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

-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)
(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 SHEET 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 SHEET 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)

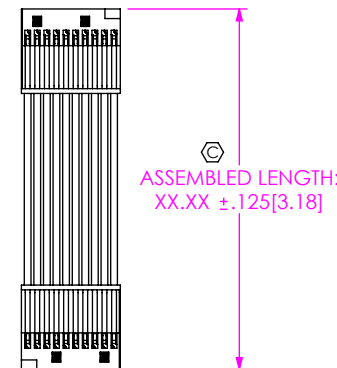


FIG 2
-D: DOUBLE END
SFSD-10-28-XX-XX-XX-D-NUS SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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, MARK EACH ASSEMBLY PER INSTRUCTIONS REFERENCED IN CO-(AD-ID)-WI-3092-M.
5. TINNED COPPER WIRE IS RoHS COMPLIANT.
6. NOTE DELETED.
7. NOTE DELETED.
8. FOR LENGTHS LESS THAN 12 in, TOLERANCE SHALL BE +/- .125.
9. FOR OTHER LENGTHS, TOLERANCE SHALL BE +/- 2%.
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 CUT SUBTRACTOR.
15. NOTE DELETED.
16. SEE PACKAGING MANUAL FOR PACKAGING DETAILS.

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]
.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.

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

samtec

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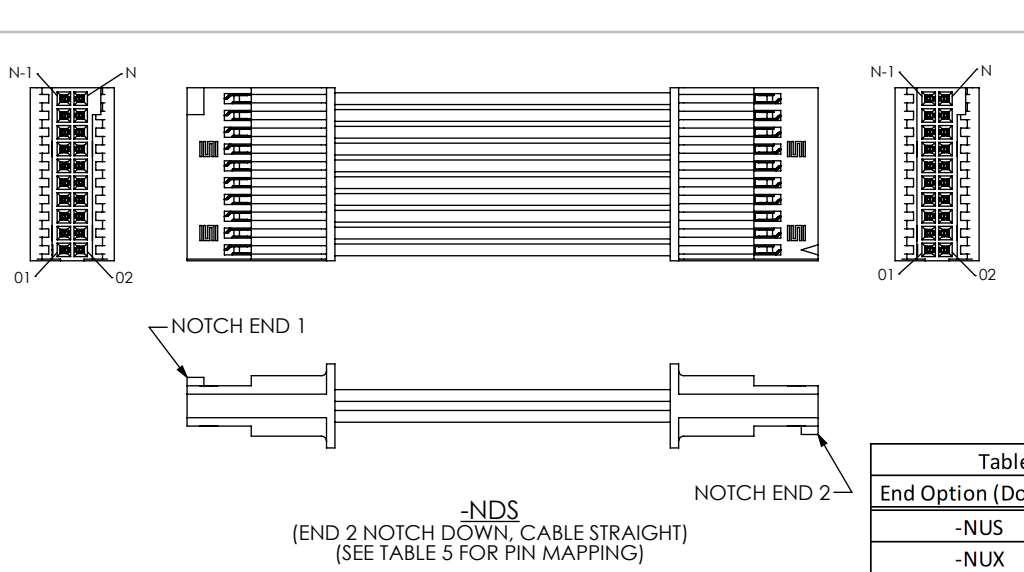
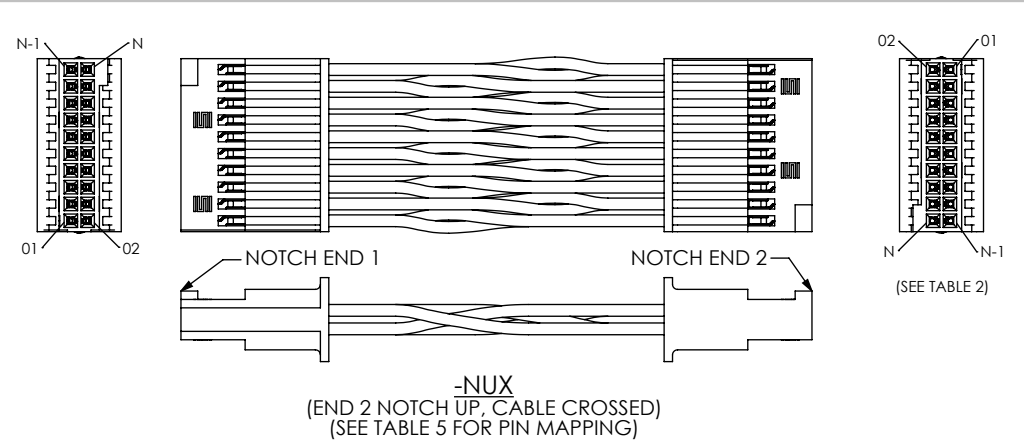
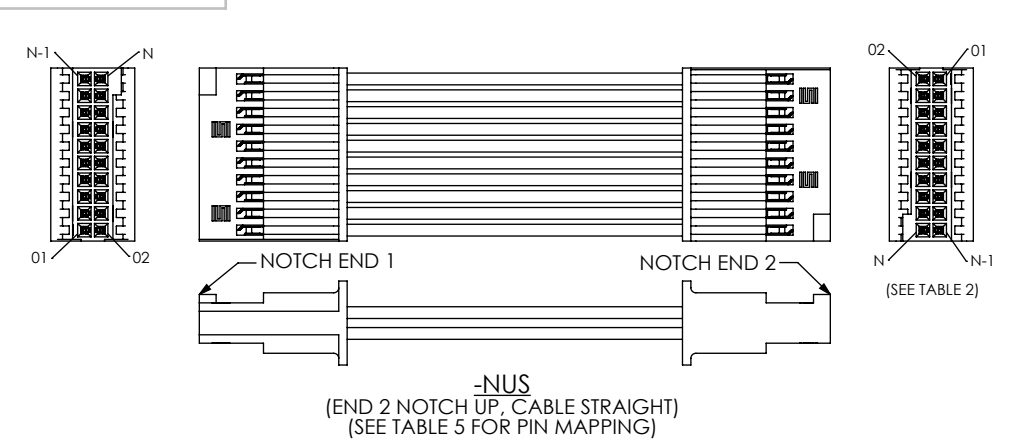
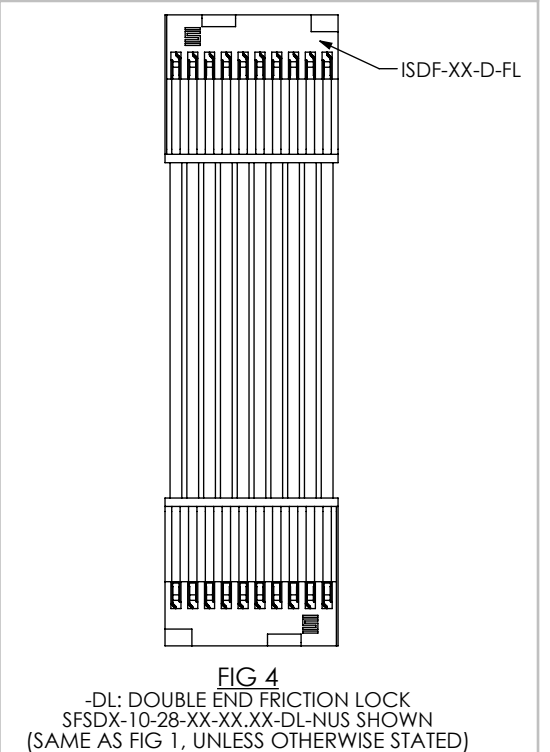
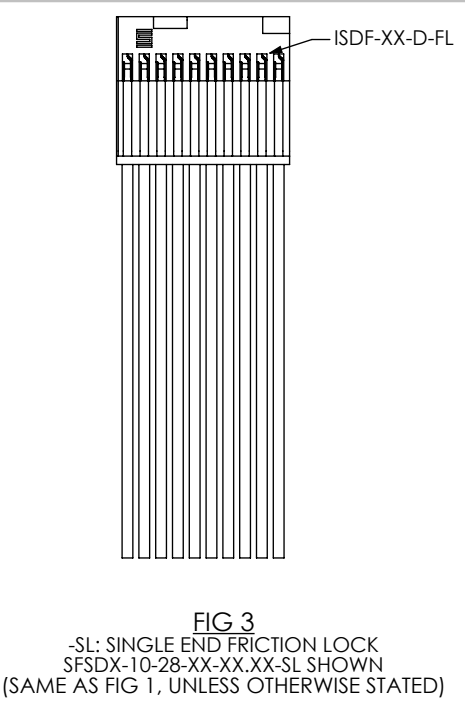
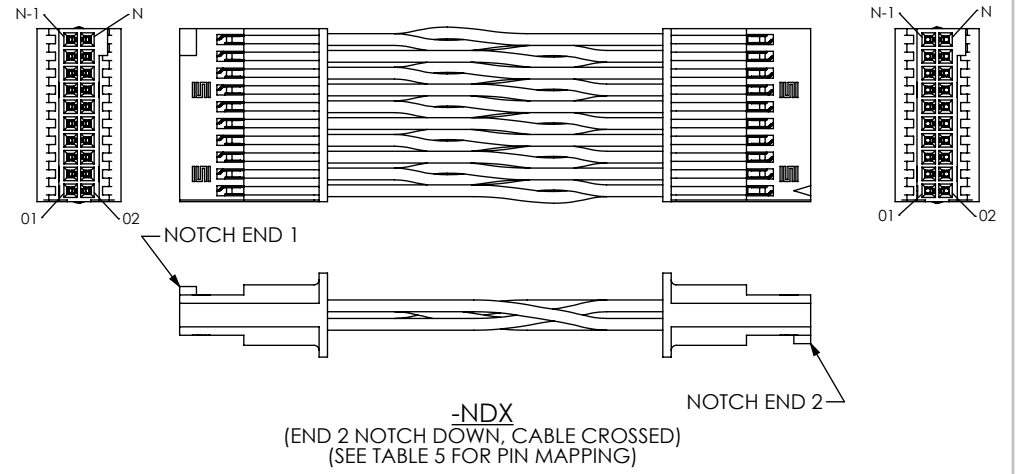


Table 5- Pin Mapping		
End Option (Double)	END 1	END 2
-NUS	01	N-1
-NUX	01	N
NDS	01	2
-NDX	01	1



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.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 5

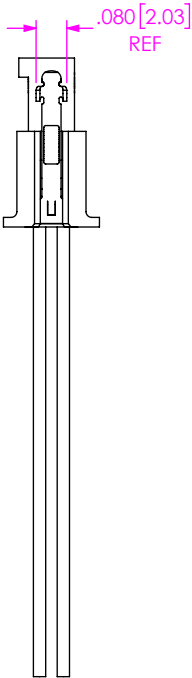
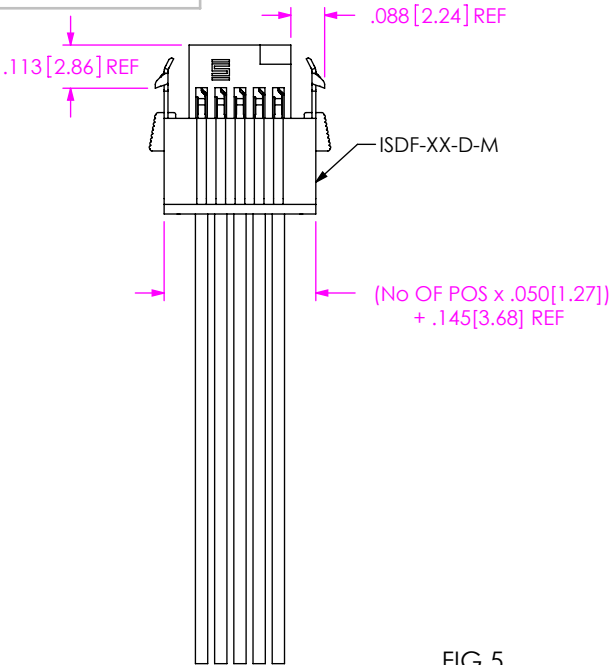


FIG 5
-SR: SINGLE END WITH RETENTION LATCH
SFSDX-05-28-XX-XX.XX-SR SHOWN
(ONLY AVAILABLE ON -02 THRU -50 POS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

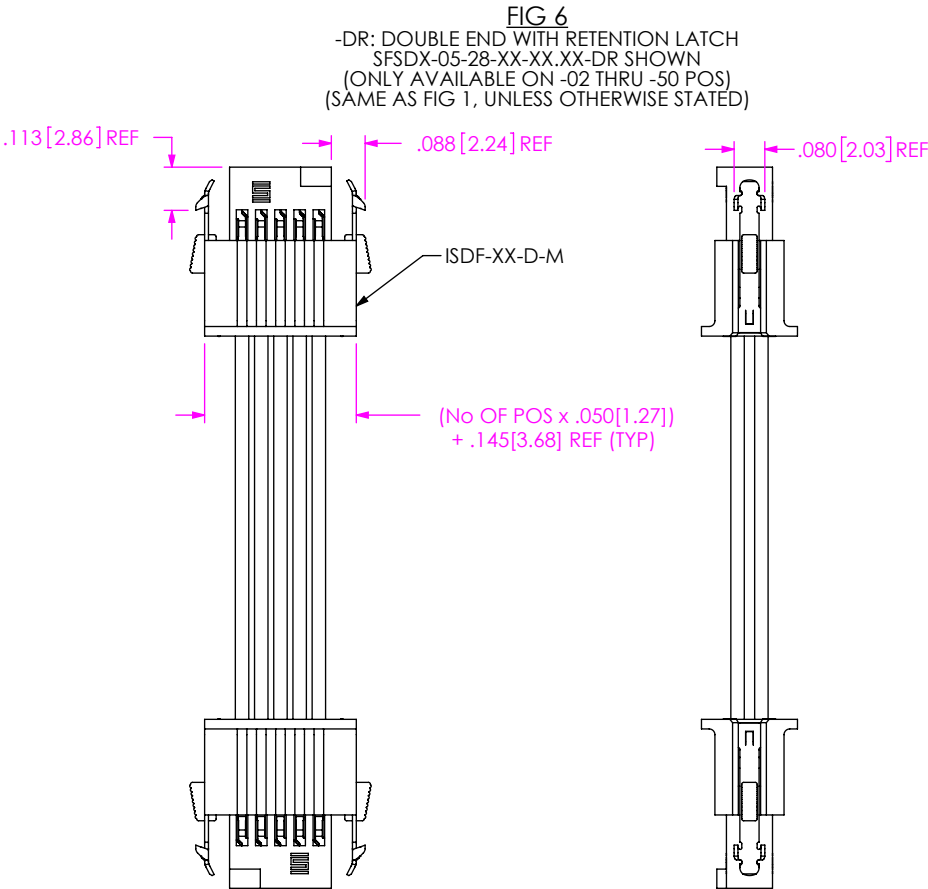


FIG 6
-DR: DOUBLE END WITH RETENTION LATCH
SFSDX-05-28-XX-XX.XX-DR SHOWN
(ONLY AVAILABLE ON -02 THRU -50 POS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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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.050[1.27] SOCKET DISCRETE CABLE ASSEMBLY

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

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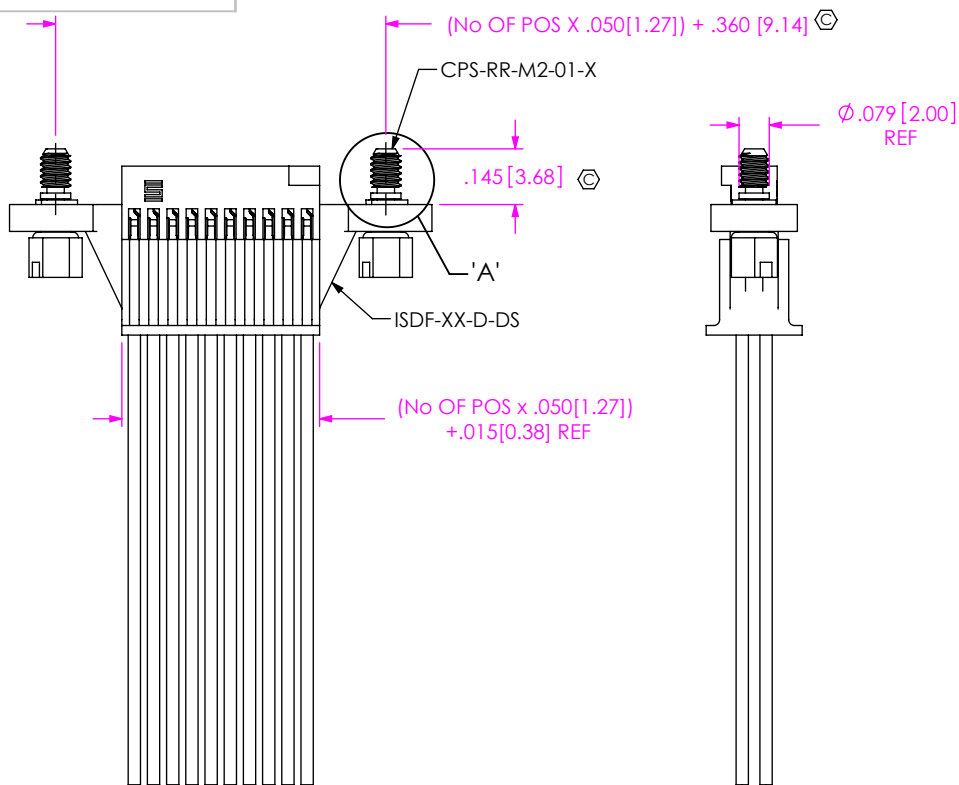


FIG 7
-SS: SINGLE END WITH SCREW DOWN
SFSDX-10-XXX-XX-XX.XX-SS SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

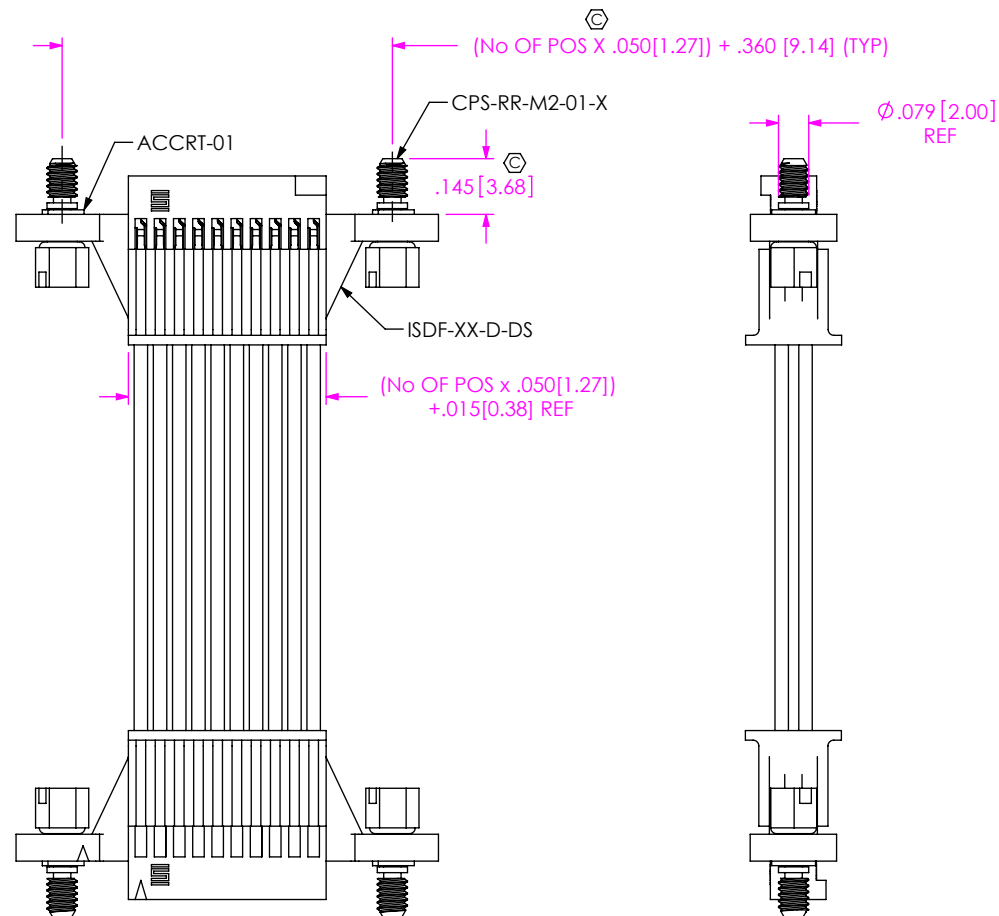
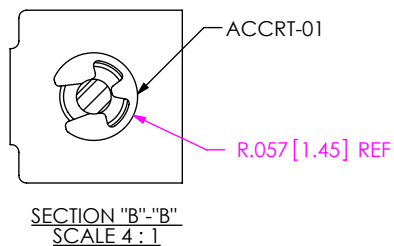
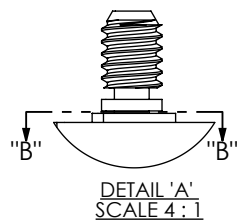


FIG 8
-DS: DOUBLE END WITH SCREW DOWN
SFSDX-10-XXX-XX-XX.XX-DS-ND S SHOWN
MUST CHOOSE FROM -NXXX OPTIONS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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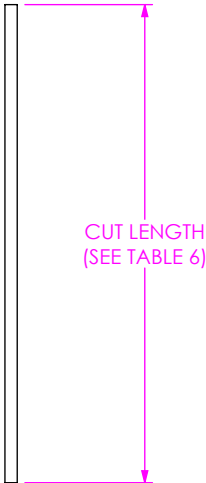
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BY: BRATCHER 5/5/2005 SHEET 4 OF 5



BF FIG 9

TABLE 6 (CUT SUBTRACTORS) (SEE NOTE 14)	
	LENGTH
-S: SINGLE END	.271 [6.883]
-D: DOUBLE END	.542 [13.767]

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