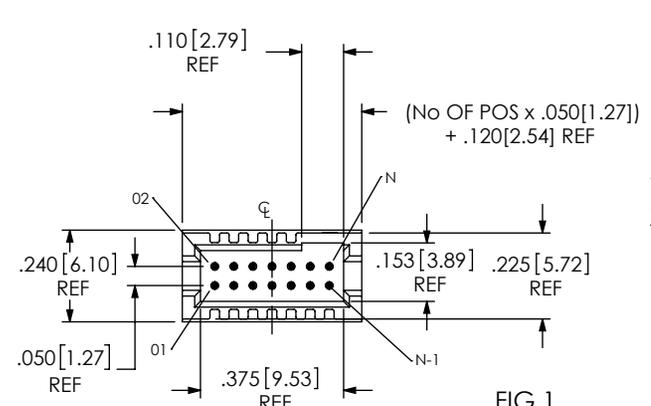


DO NOT SCALE FROM THIS PRINT



TFSDX-XX-XXX-XX-XX.XX-XX-XXX

FEP 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 2, SHEET 2 (NOT AVAILABLE WITH FEP OPTION)

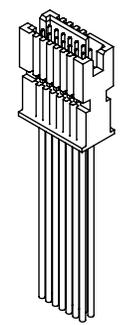
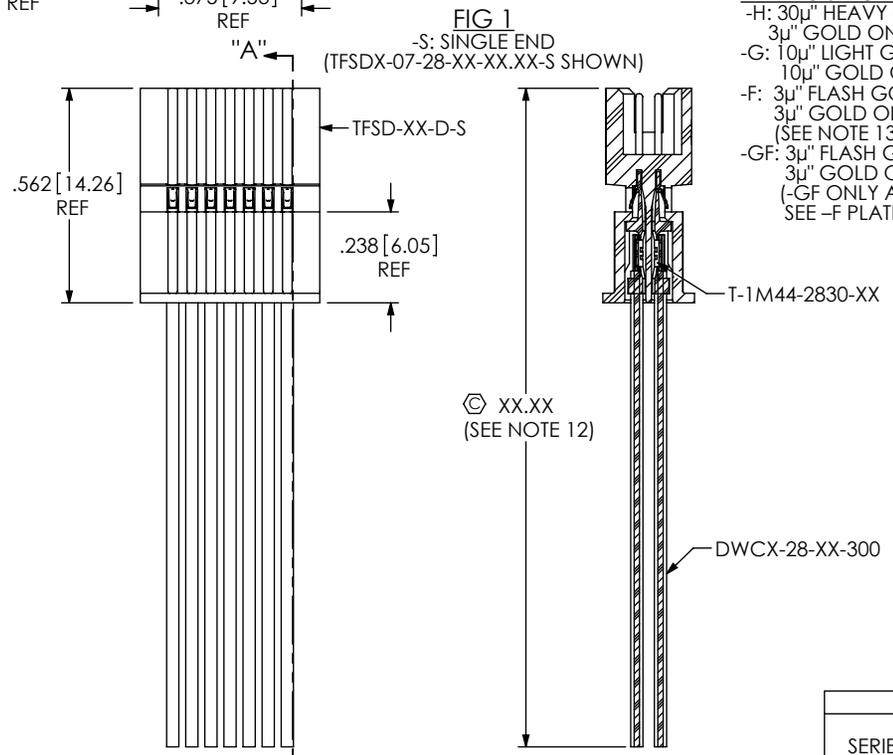
PLATING SPECIFICATION
 -H: 30µ" HEAVY GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL
 -G: 10µ" LIGHT GOLD IN CONTACT AREA, 10µ" GOLD ON TAIL ON TAIL
 -F: 3µ" FLASH GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL (SEE NOTE 13)
 -GF: 3µ" FLASH GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL (-GF ONLY AVAILABLE TO EXISTING CUSTOMERS, SEE -F PLATING)

-NXX OPTION (END 2)
 (ONLY AVAILABLE WITH -D,-DL,-T,-TF,TR) (SEE SHT 3 FOR -D PINOUT) (SEE SHT 4 FOR -T PINOUT)
 -NUS: NOTCH UP, STRAIGHT
 -NDS: NOTCH DOWN, STRAIGHT
 -NUX: NOTCH UP, CROSSED
 -NDX: NOTCH DOWN, CROSSED

END OPTION
 -S: SINGLE END
 *** -SL: SINGLE END WITH FRICTION LOCK (SEE SHEET 2, FIG 4)
 ** -D: DOUBLE END (SEE SHEET 2, FIG 2)
 ** -T: TRANSFER END (SEE SHEET 2, FIG 3 AND SHEET 4)
 *** -DL: DOUBLE END WITH FRICTION LOCK (SEE SHEET 2, FIG 5)
 *** -TF: TRANSFER END WITH FRICTION LOCK (SEE SHEET 2, FIG 6)
 ** -TR: TRANSFER END W/RETENTION LATCH (SEE SHEET 5) (MUST CHOOSE FROM -NXX OPTIONS) (ONLY AVAILABLE IN -05 THRU -50 POS)

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

** MUST CHOOSE FROM -NXX OPTIONS
 *** ONLY AVAILABLE ON POS 5, 7, & 10 - 50



- NOTES:
- ⊗ REPRESENTS A CRITICAL DIMENSION.
 - MINIMUM PULLOUT FORCE: 3 LBS [13.3 N].
 - CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
 - ⊗ ALL FINISHED GOODS ARE TO BE ELECTRICAL TESTED INCLUDING HI-POT TEST AT 1000 V. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH (1) ET STAMP ON THE BODY.
 - TINNED COPPER WIRE IS RoHS COMPLIANT.
 - PARTS TO BE LAYER PACKAGED.
 - END OF DISCRETE WIRE MUST BE IN THE RANGE AFTER CRIMP.
 - REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS.
 - SINGLE ENDED ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
 - NOTE DELETED.
 - NOTE DELETED.
 - FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE ±.125[3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE ±2%.
 - USE C-203-XXXX-GF, T-1M44-XXXX-GF.
 - CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.

TABLE 1

SERIES	WIRE GAUGE	WIRE	PIN	CONTACT (ONLY USED WITH -T, -TF & -TR END OPTIONS)
TFSD	28 AWG	DWC-28-XX-300	T-1M44-2830-XX	C-203-2830-XX
TFSD	30 AWG	DWC-30-XX-300	T-1M44-2830-XX	C-203-2830-XX
TFSDT	28 AWG	DWCT-28-XX-TC	T-1M44-2830-XX	C-203-2830-XX
TFSDT	30 AWG	DWCT-30-XX-TC	T-1M44-2830-XX	C-203-2830-XX

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

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
 TOLERANCES ARE:
 DECIMALS .XX: ±.01 [.3]
 .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: SEE CALLOUT
 WIRE: DWC: TINNED COPPER
 DWCT: TIN PLATED COPPER (SEE TABLE 1)

DESCRIPTION:
 .050[1.27] SOCKET DISCRETE CABLE ASSEMBLY
 DWG. NO. **TFSDX-XX-XXX-XX-XX.XX-XX-XXX**
 BY: LENNY K 7/18/06 SHEET 1 OF 6

520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail info@SAMTEC.com code 55322

FIG 2
-D: DOUBLE END
(TFSDX-07-28-XX-XX.XX-D-NUS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

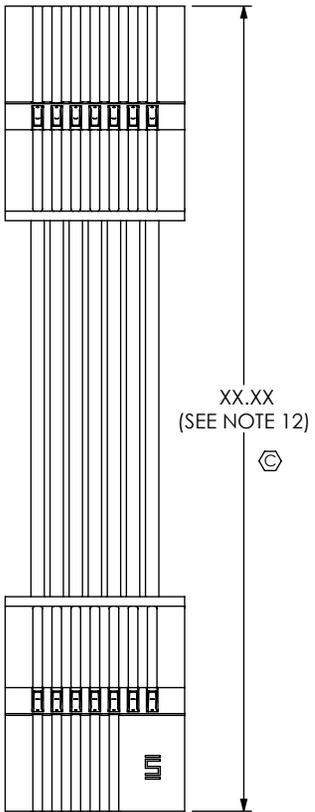


FIG 3
-T: TRANSFER END
(TFSDX-07-28-XX-XX.XX-T-NUS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

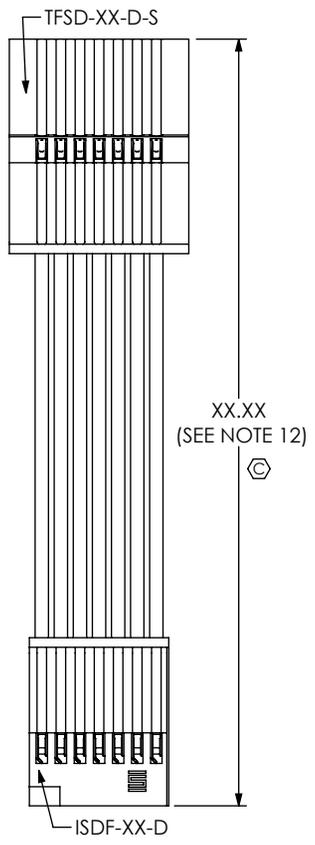


FIG 4
-SL: SINGLE END WITH FRICTION LOCK
(TFSDX-07-28-XX-XX.XX-SL SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

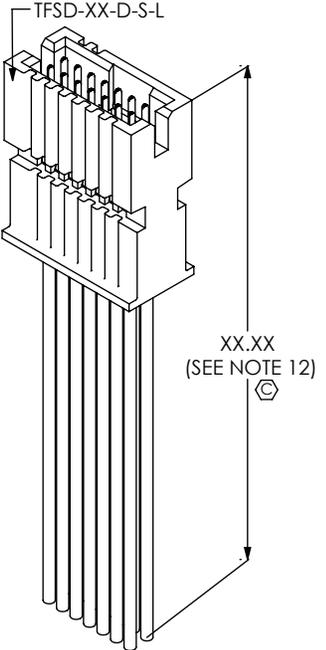


FIG 5
-DL: DOUBLE END WITH FRICTION LOCK
(TFSDX-07-28-XX-XX.XX-DL-NUS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

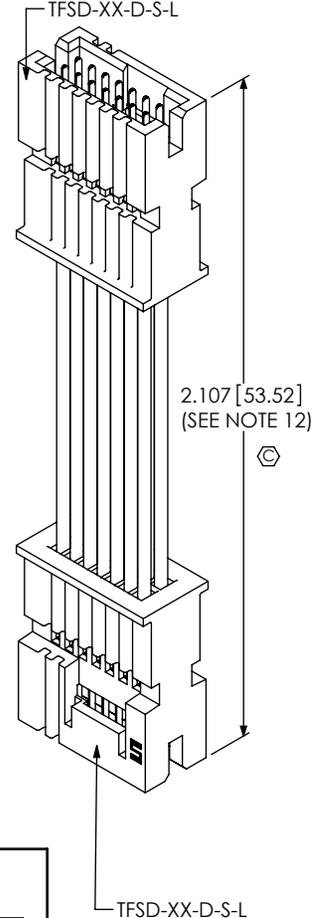


FIG 6
-TF: TRANSFER END WITH FRICTION LOCK
(TFSDX-07-28-XX-XX.XX-TF-NUS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

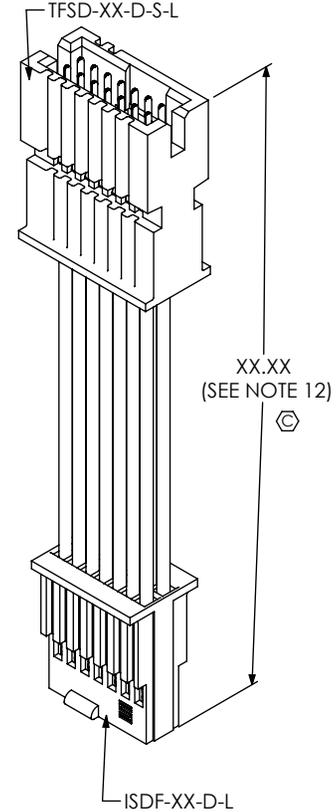


TABLE 2
TFSD COLOR CODED WIRE SEQUENCE
COLOR

PIN #	BROWN	RED	ORANGE	YELLOW	GREEN	VIOLET	GRAY	WHITE	BLACK	BLUE
	DWC-XX01-300	DWC-XX02-300	DWC-XX03-300	DWC-XX04-300	DWC-XX05-300	DWC-XX07-300	DWC-XX08-300	DWC-XX09-300	DWC-XX10-300	DWC-XX13-300
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	

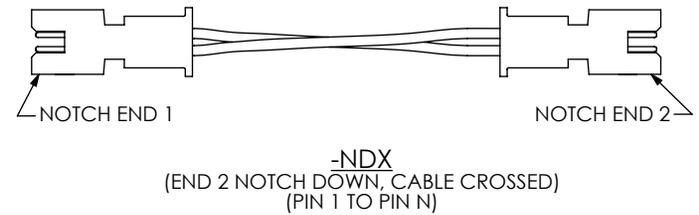
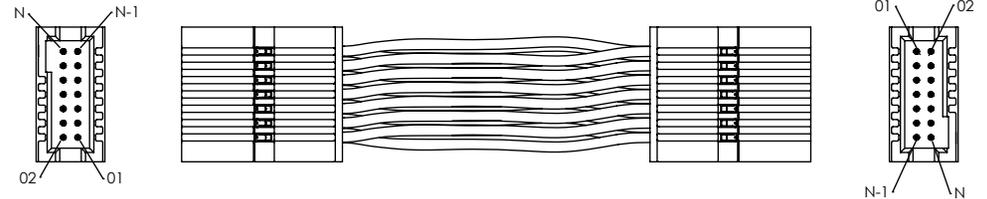
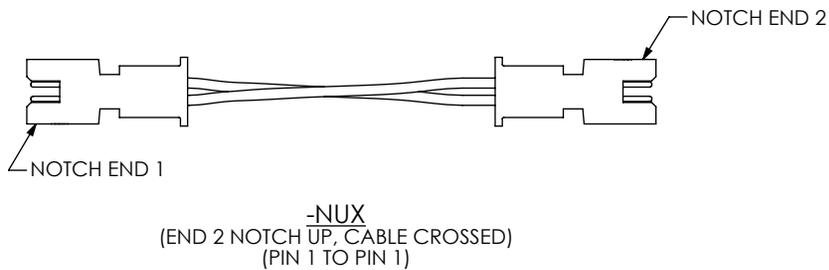
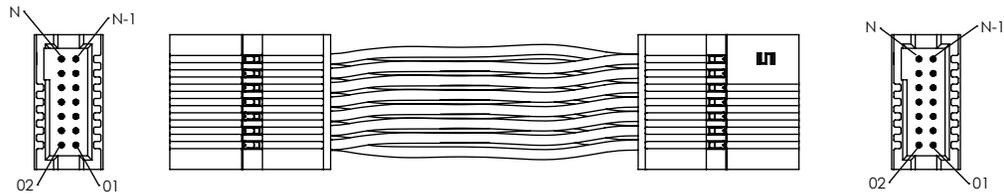
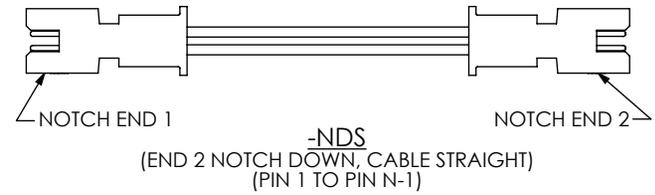
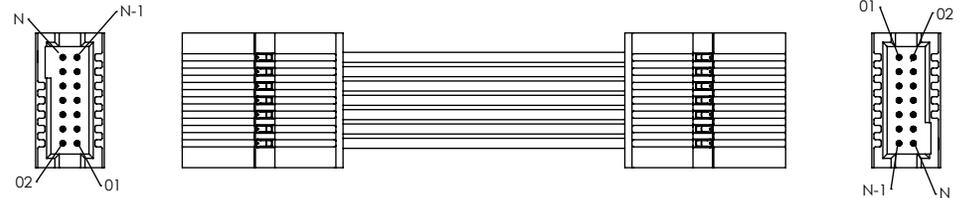
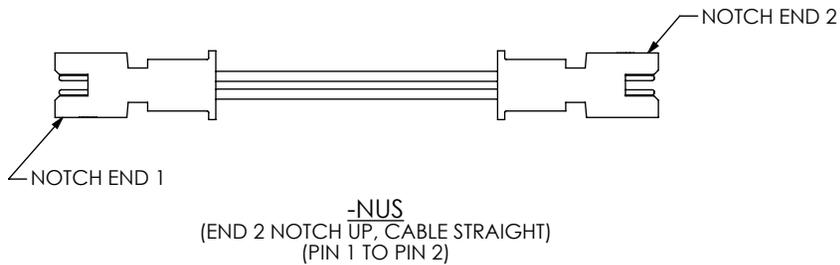
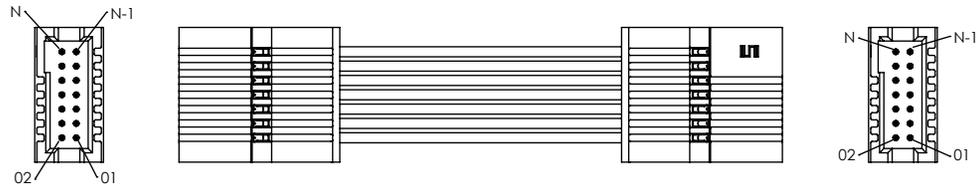
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DESCRIPTION:
.050[1.27] SOCKET DISCRETE CABLE ASSEMBLY
DWG. NO.
TFSDX-XX-XXX-XX-XX.XX-XX-XXX
BY: LENNY K 7/18/06 SHEET 2 OF 6



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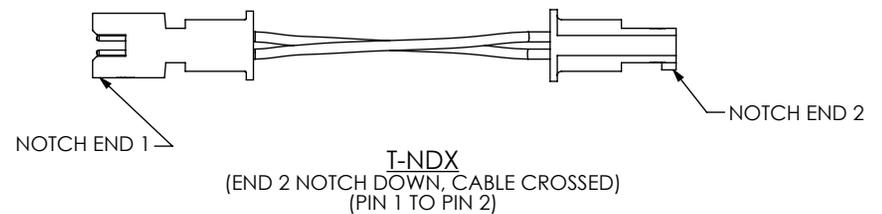
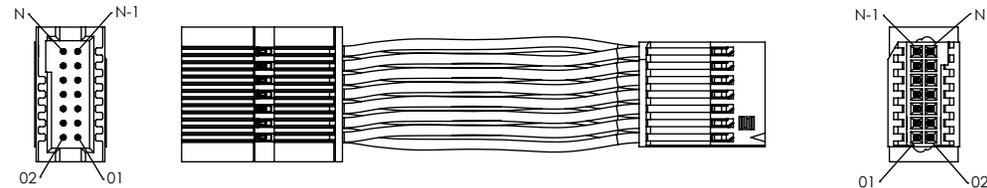
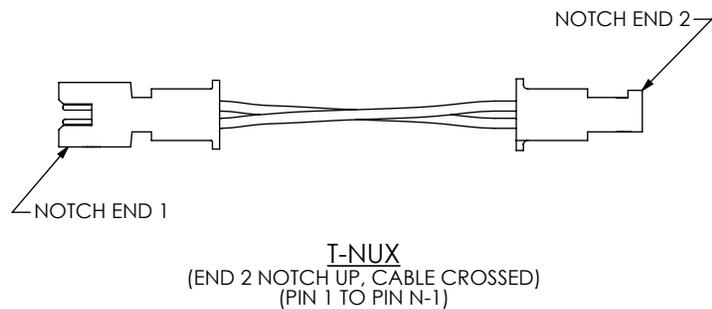
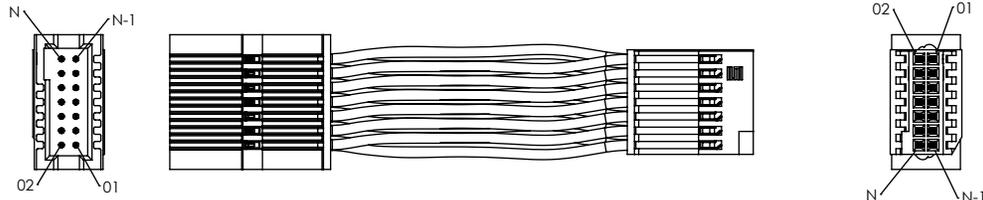
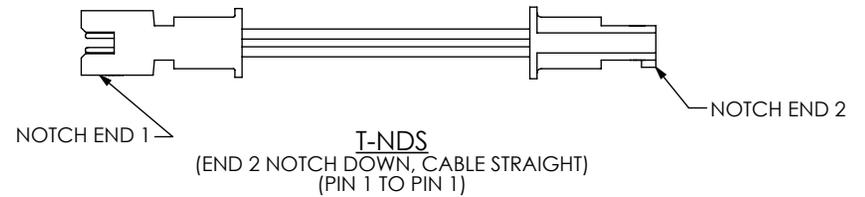
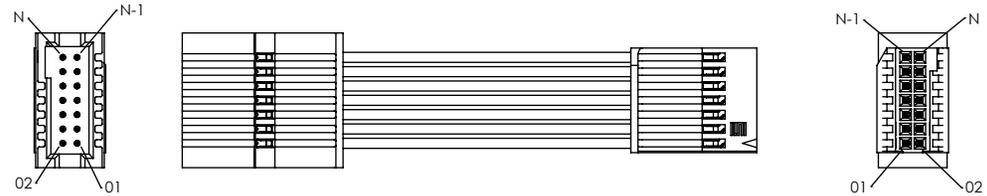
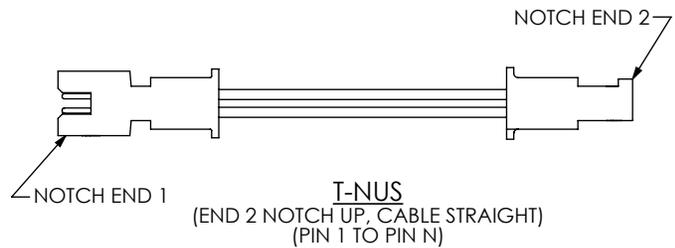
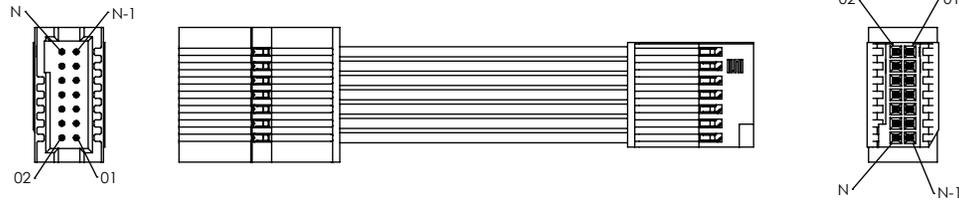
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BY: LENNY K 7/18/06 SHEET 4 OF 6

FIG 7

-TR: TRANSFER END WITH RETENTION LATCH
(TFSDX-07-28-XX-XX.XX-TR-NUS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

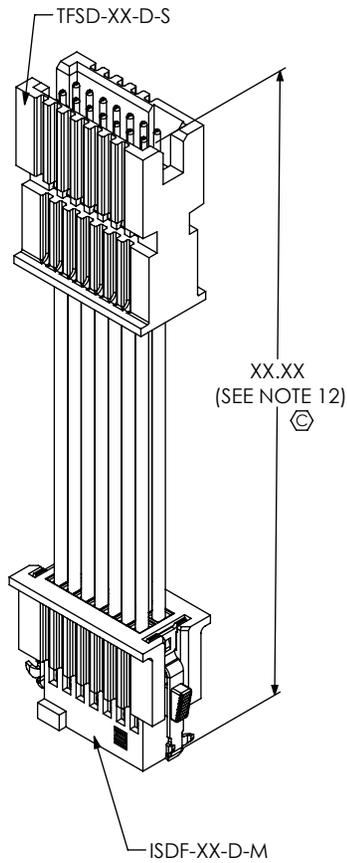


FIG 8

-TR: TRANSFER END WITH RETENTION LATCH
(TFSDX-07-28-XX-XX.XX-TR-NDS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

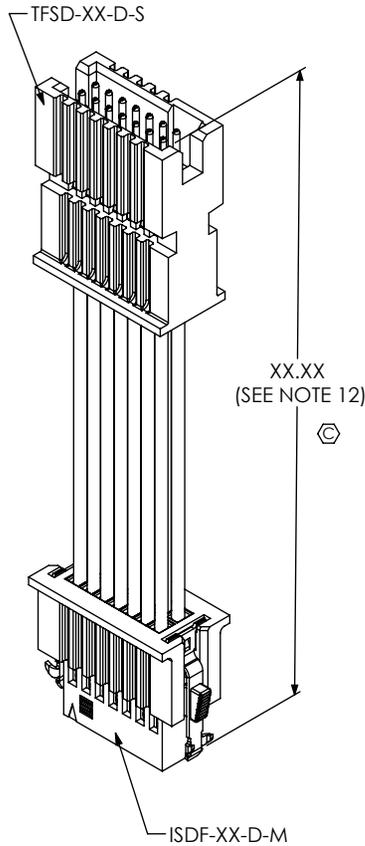


FIG 9

-TR: TRANSFER END WITH RETENTION LATCH
(TFSDX-07-28-XX-XX.XX-TR-NDX SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

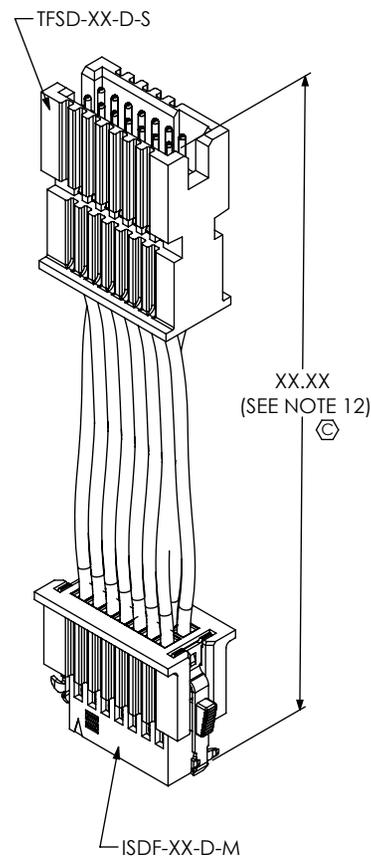
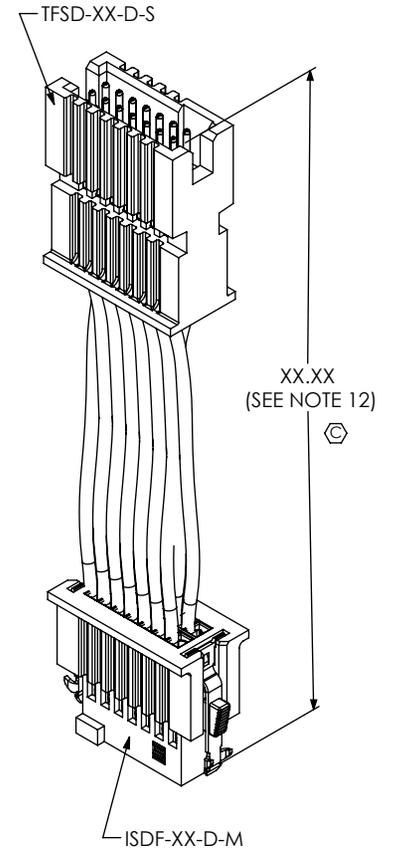


FIG 10

-TR: TRANSFER END WITH RETENTION LATCH
(TFSSX-07-28-XX-XX.XX-TR-NUX SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)



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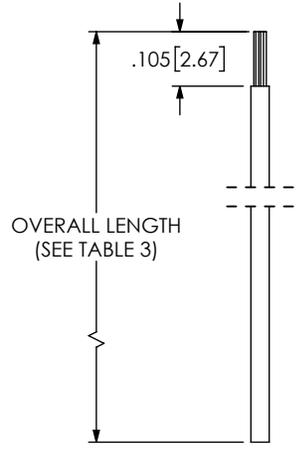
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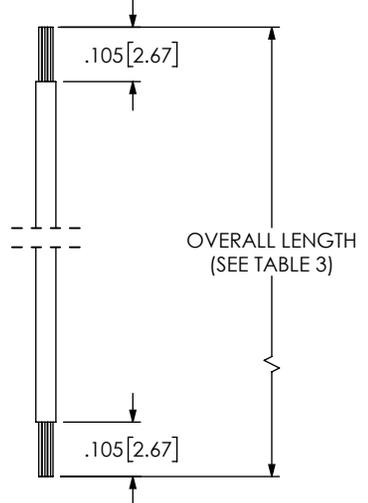
DWG. NO.
TFSDX-XX-XXX-XX-XX.XX-XX-XXX

BY: LENNY K 7/18/06 SHEET 5 OF 6

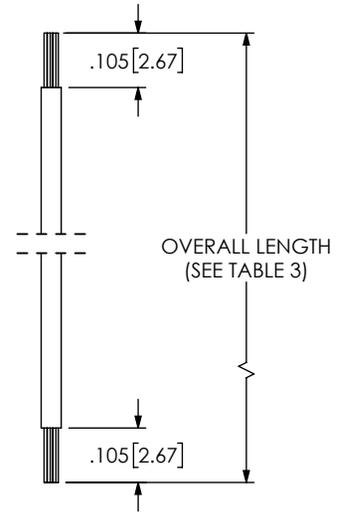
CABLE CUT IN-PROCESS



-S: SINGLE END



-D: DOUBLE END



-T: TRANSFER END

TABLE 3 (OVERALL LENGTH SUBTRACTORS) (SEE NOTE 14)	
	LENGTH
-S: SINGLE END	.400 [10.16]
-D: DOUBLE END	.800 [20.32]
-T: TRANSFER END	.675 [17.15]

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