

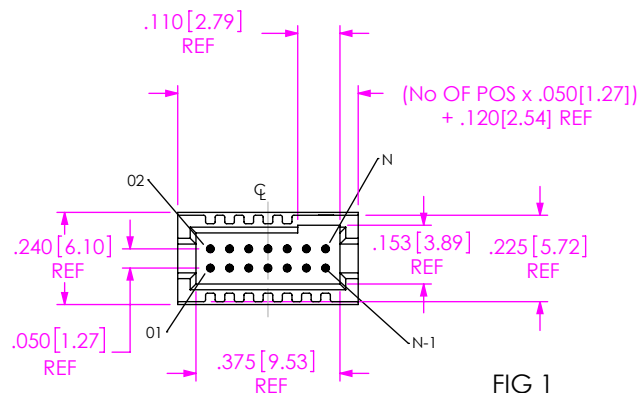
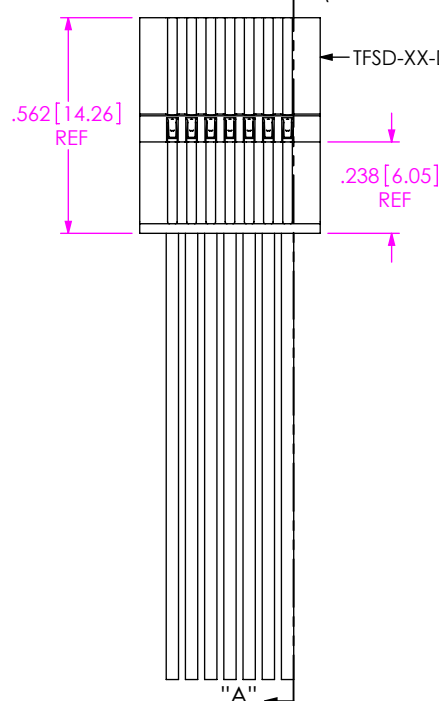
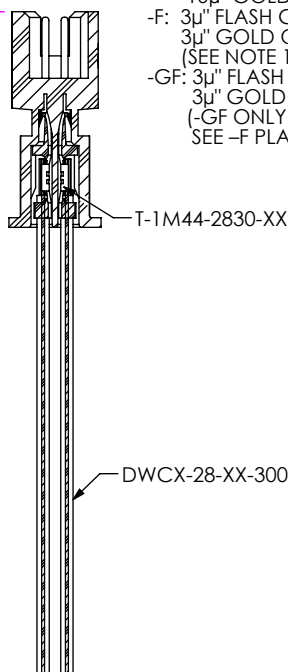
DO NOT
SCALE FROM
THIS PRINT

FIG 1
-S: SINGLE END
(TFSDX-07-28-XX-XX-XX-S SHOWN)



⊗ XX.XX
(SEE NOTE 12)

SECTION "A"- "A"



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 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)

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

-NXX OPTION (END 2)
(ONLY AVAILABLE WITH -D,-DL,-T,-TF,TR)
(SEE SHEET 3 FOR -D PINOUT)
(SEE SHEET 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 @ 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, MARK EACH ASSEMBLY PER INSTRUCTIONS REFERENCED IN CO-{AD-ID}-WI-3092-M.
- TINNED COPPER WIRE IS RoHS COMPLIANT.
- NOTE DELETED.
- 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.
- SEE PACKAGING MANUAL FOR PACKAGING DETAILS.

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\MTGT\TFSDX-XX-XXX-XX-XX-XX-XXX-MKT.SLDDRW

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: SEE CALLOUT
WIRE: DWC: TINNED COPPER
DWCT: TIN PLATED COPPER
(SEE TABLE 1)

samtec

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

BY: LENNY K 7/18/06 SHEET 1 OF 6

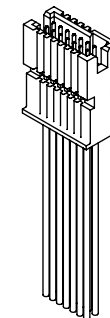


FIG 2
-D: DOUBLE END
(TFSDX-07-28-XX-XX.XX-D-NUS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

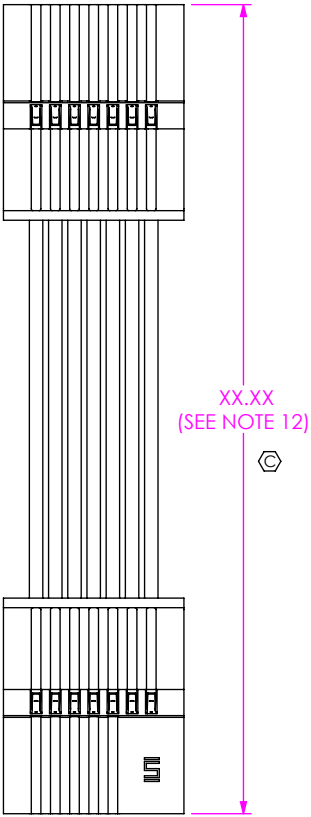


FIG 3
-T: TRANSFER END
(TFSDX-07-28-XX-XX.XX-T-NUS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

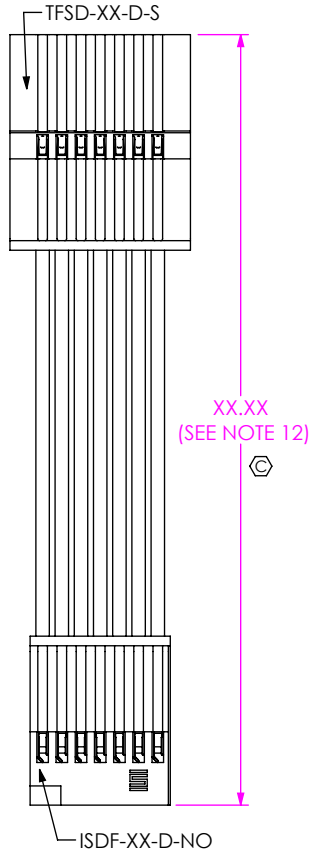


FIG 4
-SL: SINGLE END WITH FRICTION LOCK
(TFSDX-07-28-XX-XX.XX-SL SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

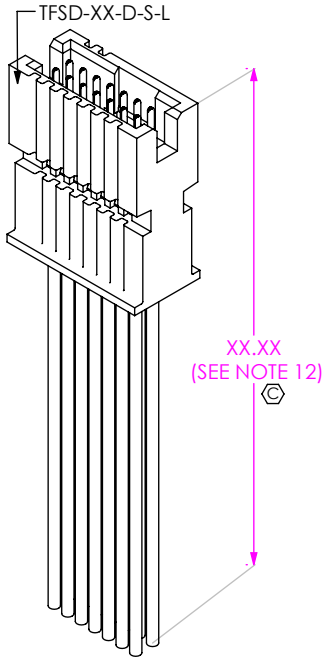


FIG 5
-DL: DOUBLE END WITH FRICTION LOCK
(TFSDX-07-28-XX-XX.XX-DL-NUS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

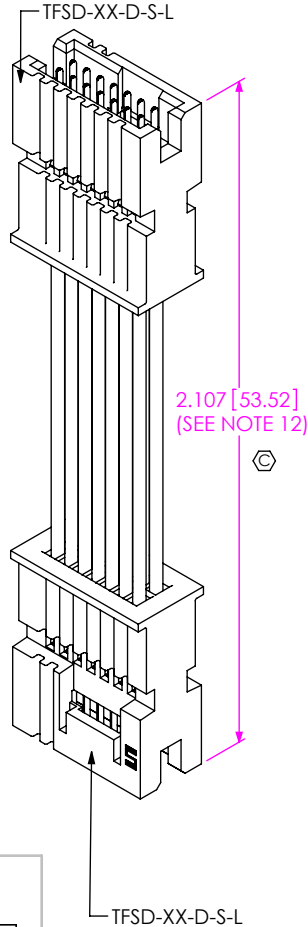


FIG 6
-TF: TRANSFER END WITH FRICTION LOCK
(TFSDX-07-28-XX-XX.XX-TF-NUS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

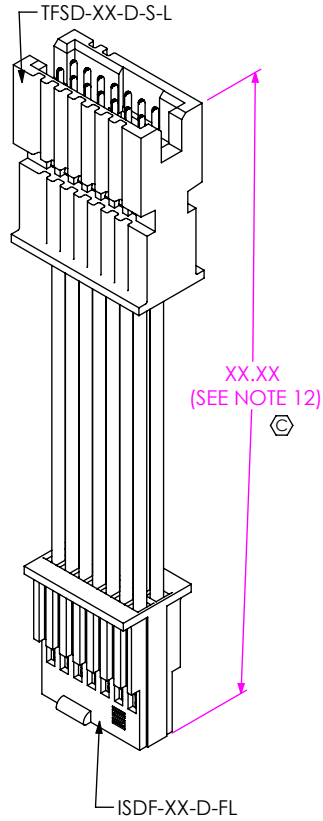


TABLE 2
TFSD COLOR CODED WIRE SEQUENCE

	COLOR									
	BROWN	RED	ORANGE	YELLOW	GREEN	VIOLET	GRAY	WHITE	BLACK	BLUE
PIN #	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
	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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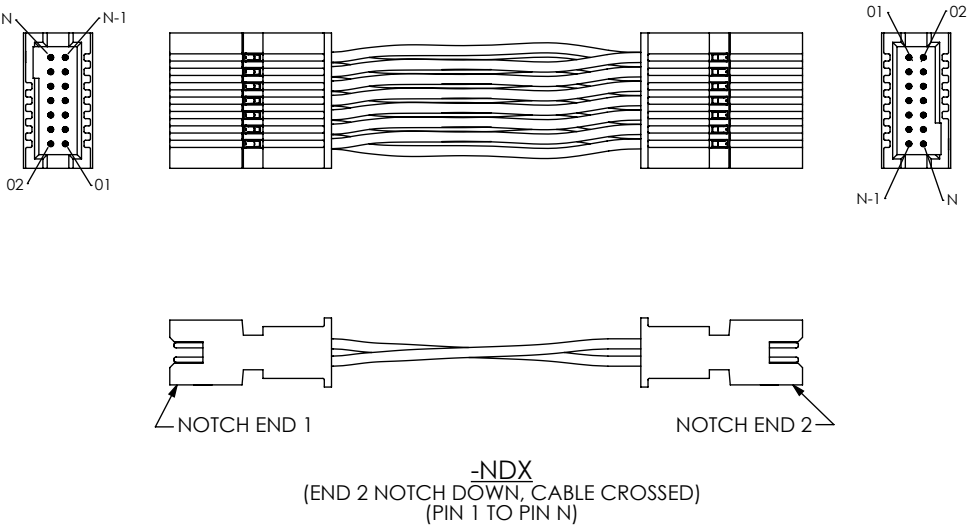
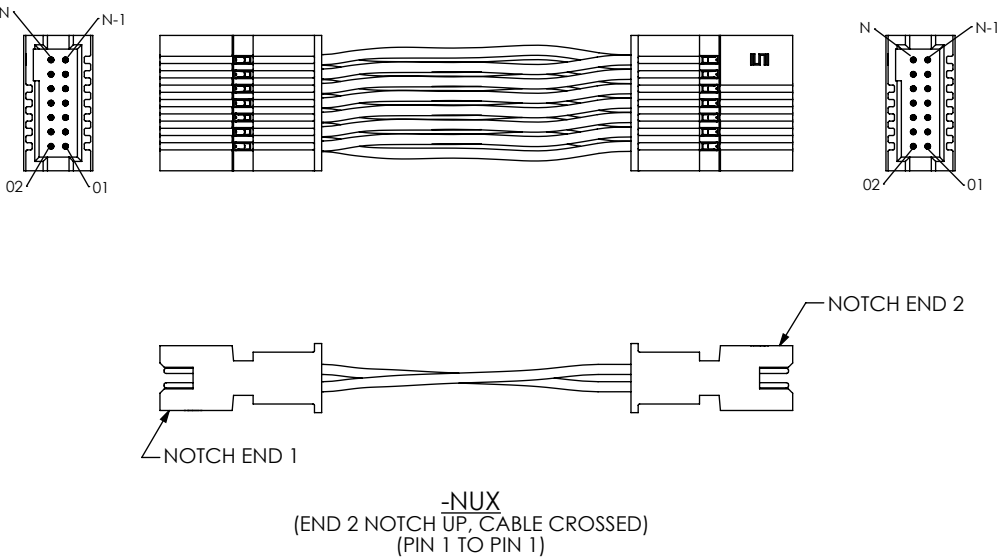
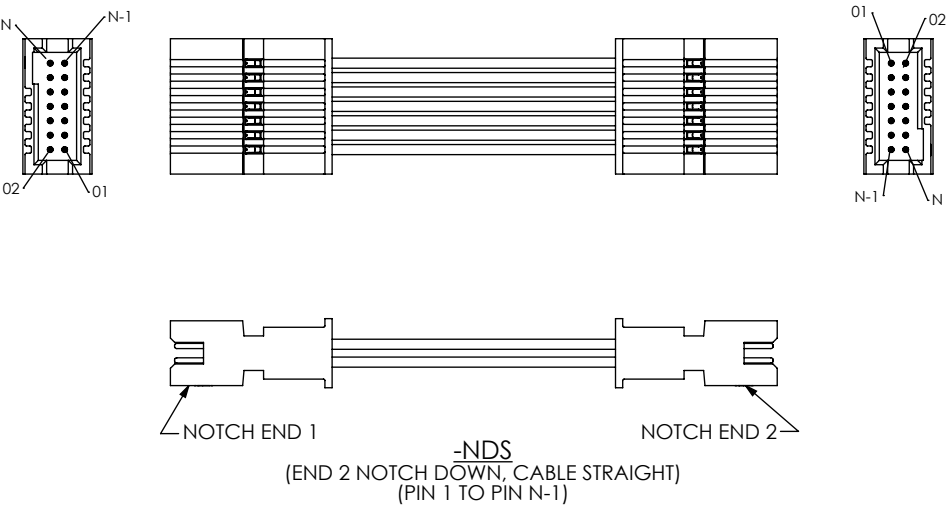
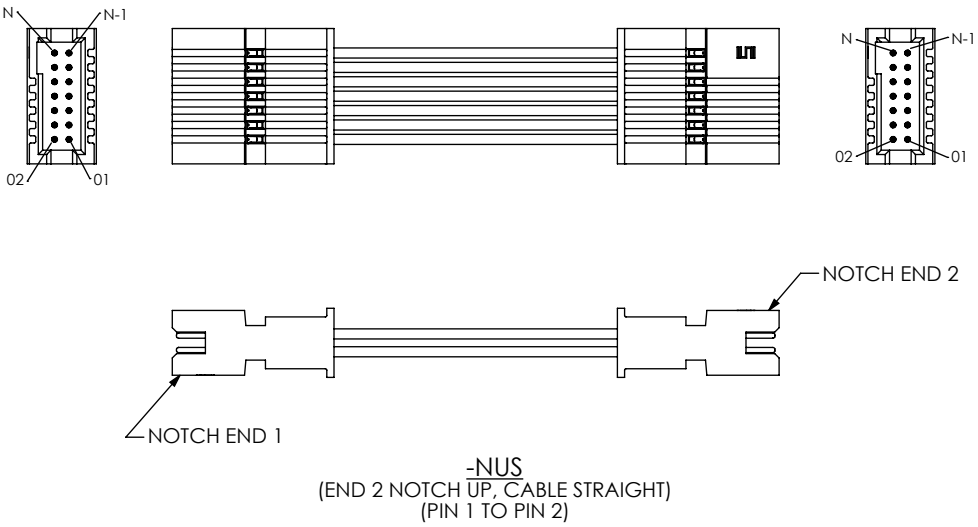
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SHEET SCALE: 2:1



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DWG. NO.
TFSDX-XX-XXX-XX-XX.XX-XX-XXX
BY: LENNY K 7/18/06 SHEET 2 OF 6



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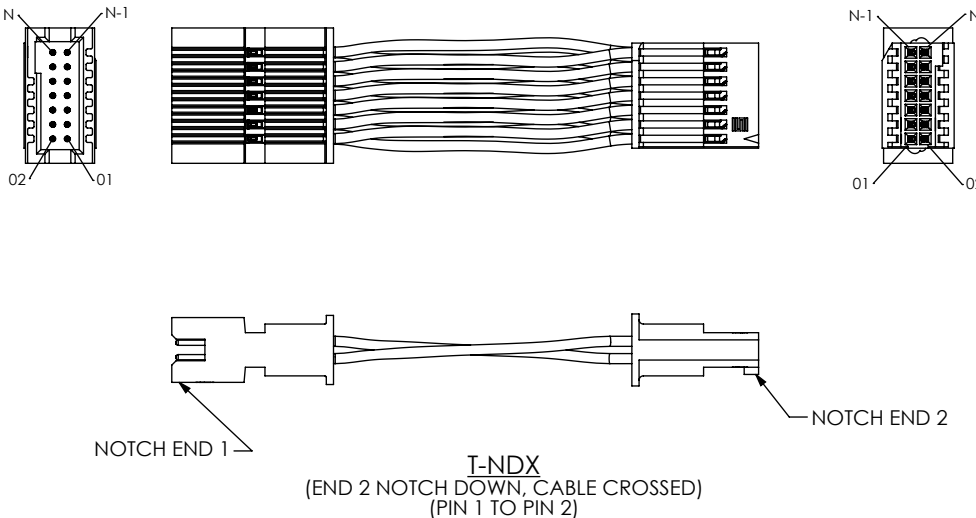
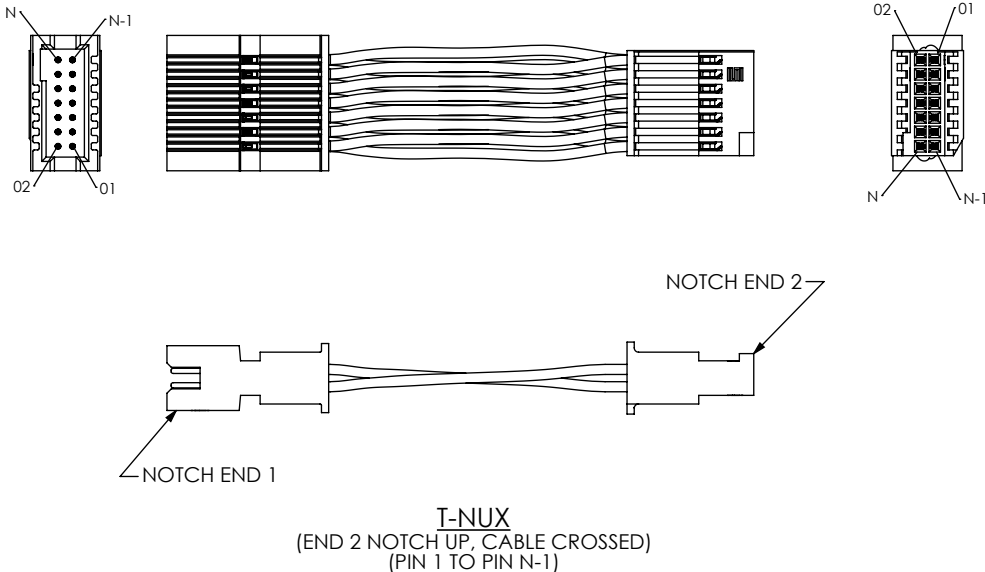
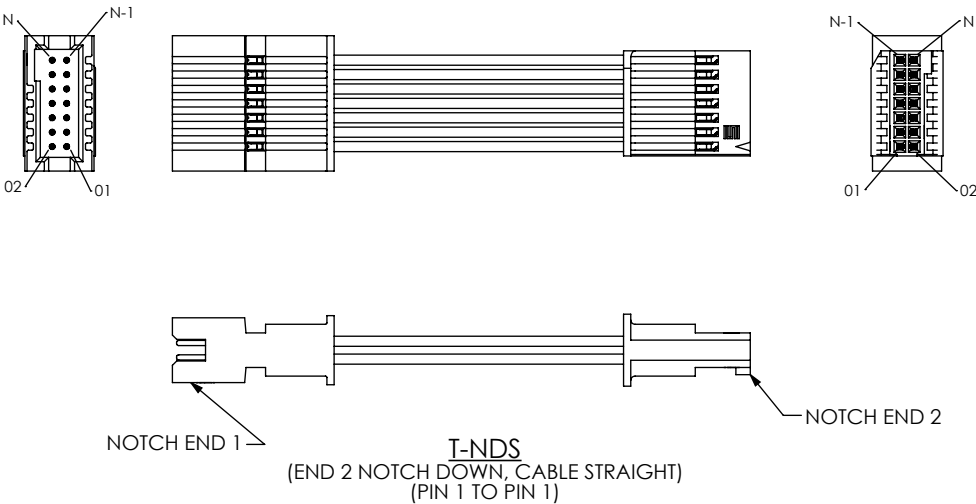
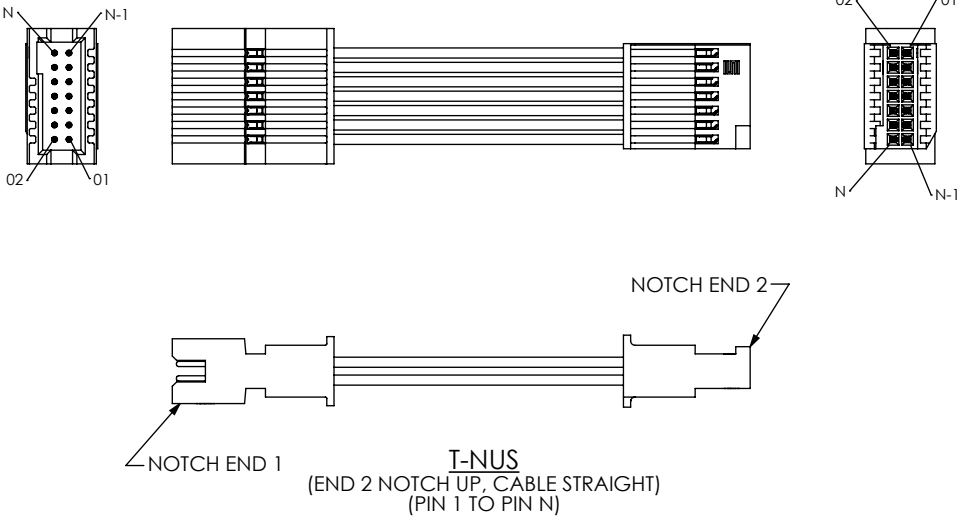


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BY: LENNY K 7/18/06 SHEET 4 OF 6

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)

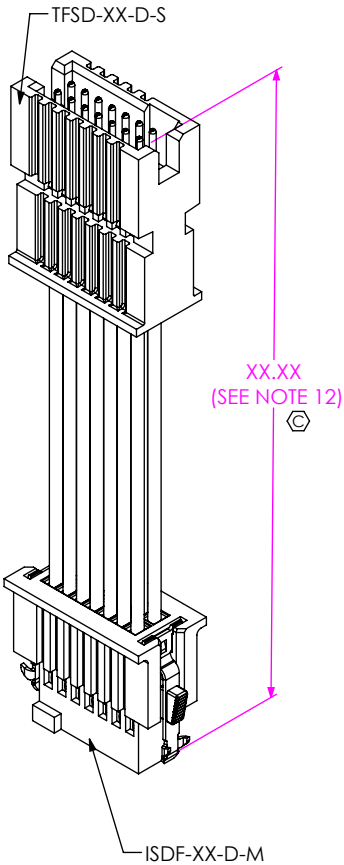


FIG 8
-TR: TRANSFER END WITH RETENTION LATCH
(TFSDX-07-28-XX-XX.XX-TR-NDS SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

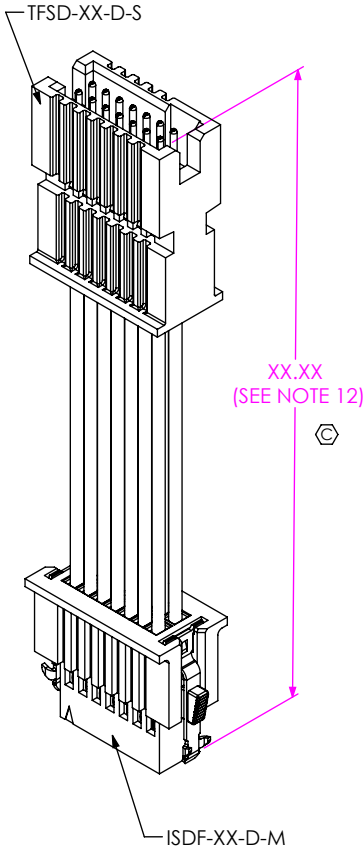


FIG 9
-TR: TRANSFER END WITH RETENTION LATCH
(TFSDX-07-28-XX-XX.XX-TR-NDX SHOWN)
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

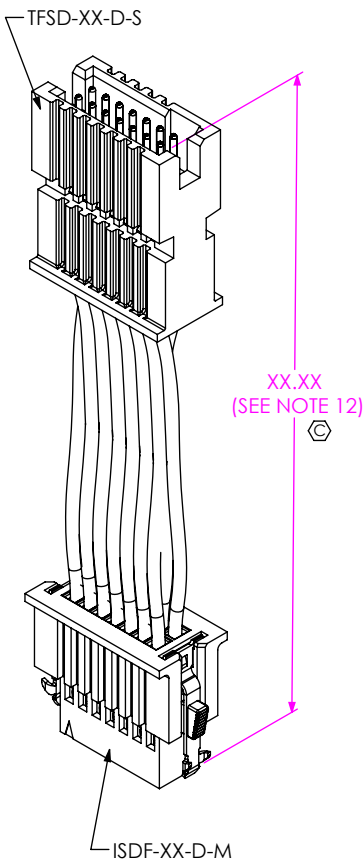
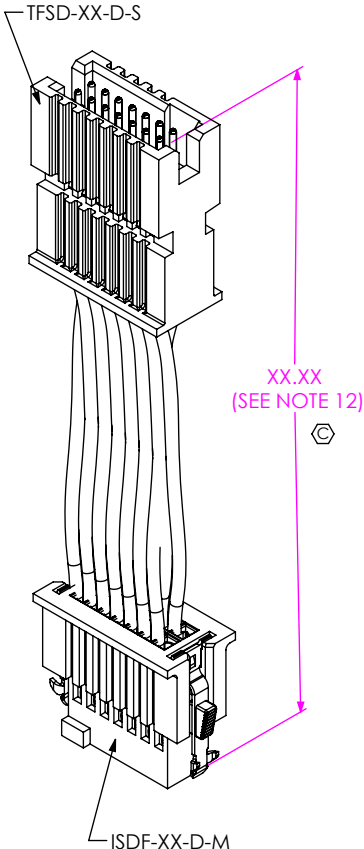


FIG 10
-TR: TRANSFER END WITH RETENTION LATCH
(TFSSX-07-28-XX-XX.XX-TR-NUX SHOWN)
(DIFFERENT AS SHOWN,
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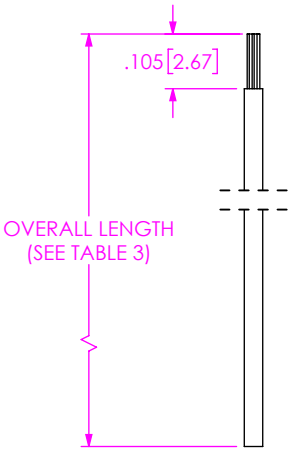
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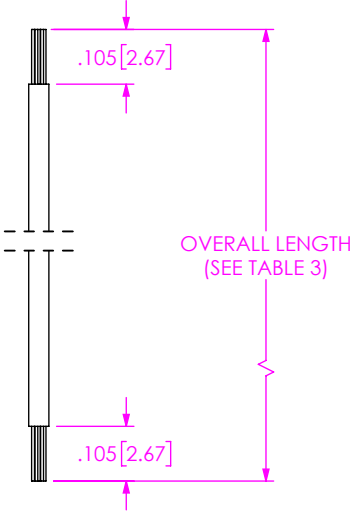
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TFSDX-XX-XXX-XX-XX.XX-XX-XXX

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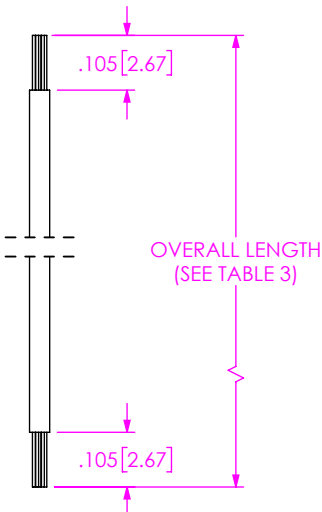
CABLE CUT IN-PROCESS



-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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