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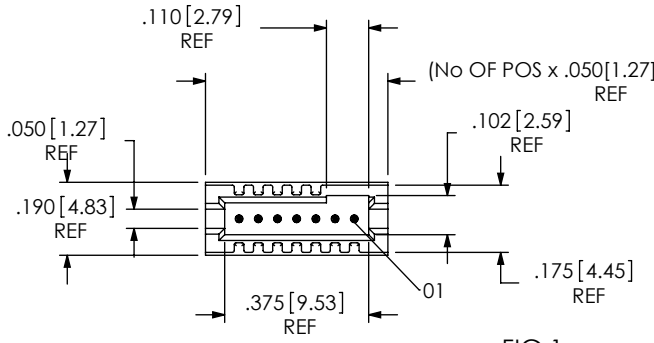


FIG 1
-S: SINGLE END
(TFSSX-07-28-XX-XX.XX-S SHOWN)

TFSSX-XX-XXX-XX-XX.XX-X-XXX

FEP CABLE OPTION
-T: FEP
(LEAVE BLANK FOR STANDARD PVC INSULATION (SEE NOTE 12)

No OF POSITIONS
-02 THRU -50

WIRE GAUGE (AWG)
-28
-30

COLOR CODE
LEAVE BLANK FOR ALL BLACK WIRE,
C: COLOR CODED WIRE (SEE TABLE 2; SHT 2; SEE NOTE 11)

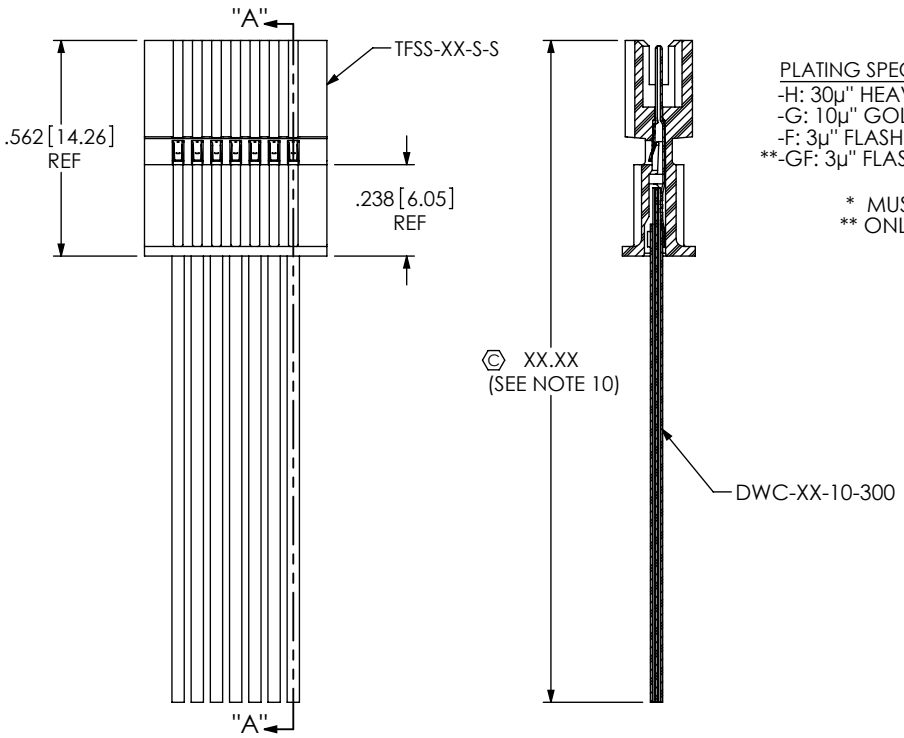
PLATING SPECIFICATION
-H: 30µ" HEAVY GOLD IN CONTACT AREA, 3µ" FLASH GOLD ON TAIL
-G: 10µ" GOLD IN CONTACT AREA, 3µ" FLASH GOLD ON TAIL
-F: 3µ" FLASH GOLD IN CONTACT AREA, 3µ" FLASH GOLD ON TAIL
**-GF: 3µ" FLASH GOLD IN CONTACT AREA, 3µ" FLASH GOLD ON TAIL

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

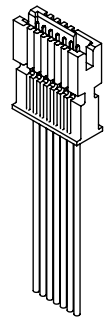
END OPTION
-S: SINGLE END
* -D: DOUBLE END
(MUST CHOOSE FROM -NXX OPTIONS)
* -T: TRANSFER END (SEE SHEET 2 AND 4)
(MUST CHOOSE FROM -NXX OPTIONS)
-TR: TRANSFER END W/ RETENTION LATCH
(SEE SHEET 2 AND 4)
(MUST CHOOSE FROM -NXX OPTIONS)

-NXX OPTION (END 2)
(ONLY AVAILABLE WITH -D, -T, OR -TR)
-NUS: NOTCH UP, STRAIGHT
(PIN 1 TO PIN 1)
-NDS: NOTCH DOWN, STRAIGHT
(PIN 1 TO PIN 7)

* MUST CHOOSE FROM -NXX OPTIONS
** ONLY AVAILABLE TO EXISTING CUSTOMERS, SEE –F PLATING



SECTION "A"-"A"



CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE	
ASSEMBLY OPERATION	IN PROCESS INSPECTION
CUT CABLE/STRIP	SEE NOTE 8
CRIMP CONTACTS	SEE NOTE 8
POKE CONTACTS	C1
E-TEST	C5
CPC'S INTENTIONALLY DELETED: C2, C3, C4	

TABLE 1

SERIES	WIRE GAUGE	CABLE	TERMINAL	CONTACT*
TFSS	28	DWC-28-10-300	T-1M44-2830-XX	C-203-2830-XX
TFSS	30	DWC-30-10-300	T-1M44-2830-XX	C-203-2830-XX
TFSST	28	DWCT-28-01-TC	T-1M44-2830-XX	C-203-2830-XX
TFSST	30	DWCT-30-01-TC	T-1M44-2830-XX	C-203-2830-XX

* CONTACTS USED FOR TRANSFER END OPTION ONLY

NOTES:

Ⓒ
1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PULLOUT FORCE: 3 LBS [13.3 N].
3. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
4. ALL FINISHED GOODS ARE TO BE ELECTICAL TESTED INCLUDING HI-POT TEST AT 300 V. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH (1) ET STAMP ON THE BODY.
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. REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS..
9. END OF DISCRETE WIRE MUST BE IN RANGE AFTER CRIMP.
10. FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE ±.125[3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE ±2%.
11. DOES NOT APPLY TO FEP CABLE.
12. SINGLE ENDED ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS: .XX: ±.01 [.3] / .XXX: ±.005 [.13] / .XXXX: ±.0020 [.051]
ANGLES: 2°

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MATERIAL:
INSULATOR: LCP UL 94 VO, COLOR: BLACK
CONTACT: BeCu
CABLE INSULATION: PVC
WIRE: 28 OR 30 AWG, TINNED COPPER

DESCRIPTION:
.050[1.27] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.
TFSSX-XX-XXX-XX-XX.XX-X-XXX

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BY: GAYNOR 6/13/2008

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FIG 2
*-D: DOUBLE END
(TFSSX-07-28-X-XX.XX-D-NUS SHOWN)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)

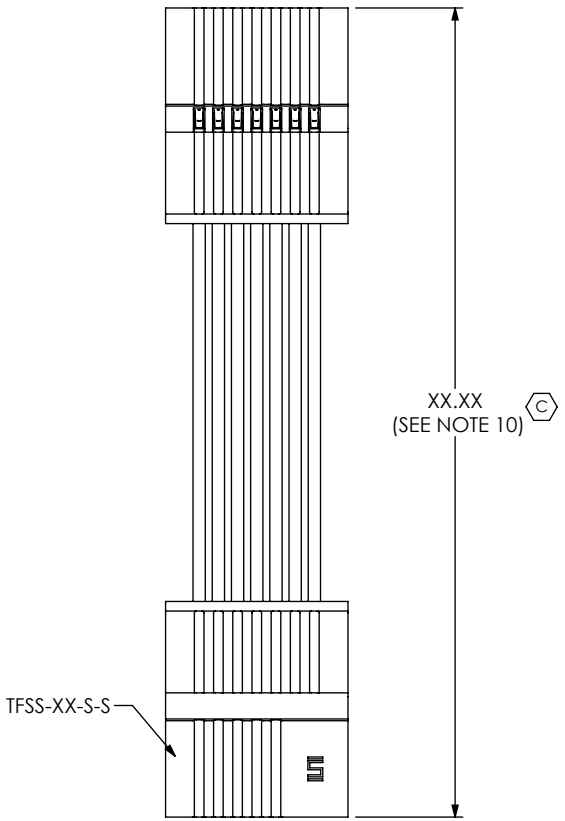


FIG 3
*-T:TRANSFER END
(TFSSX-07-28-X-XX.XX-T-NUS SHOWN)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)

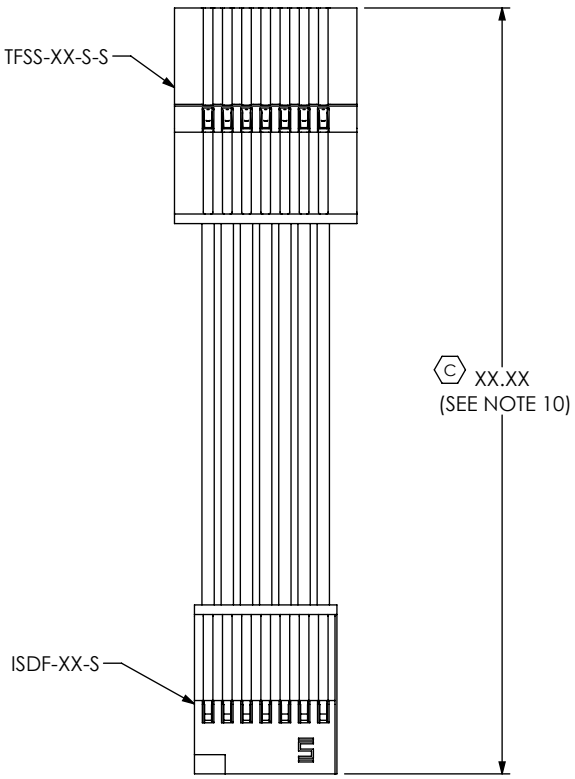


FIG 4
*-TR:TRANSFER END WITH RETENTION LATCH
(TFSSX-07-28-X-XX.XX-TR-NUS SHOWN)
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)
(ONLY AVAILABLE IN -02 THRU -30 POS)

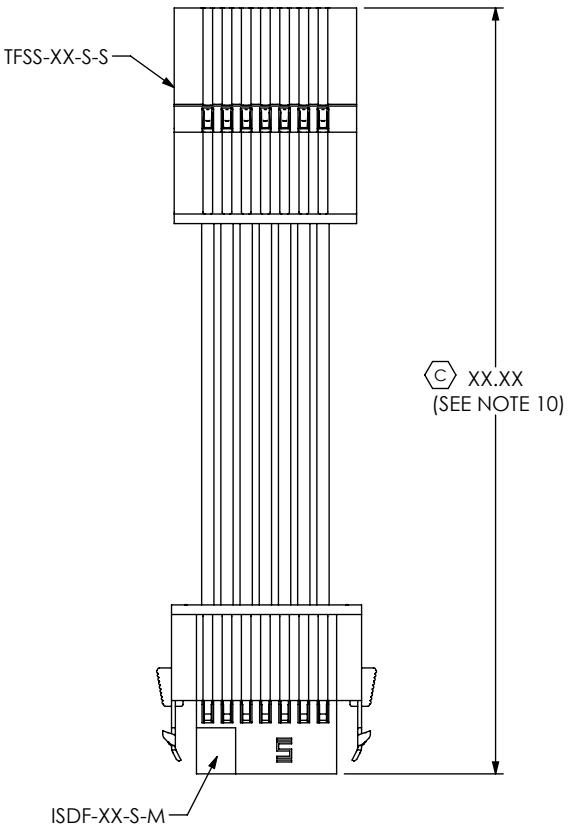


TABLE 2
TFSS COLOR CODED WIRE SEQUENCE

	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

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

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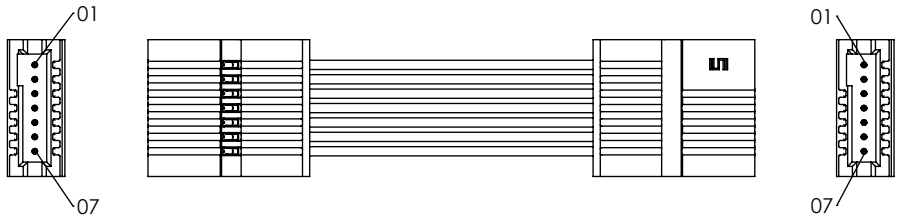
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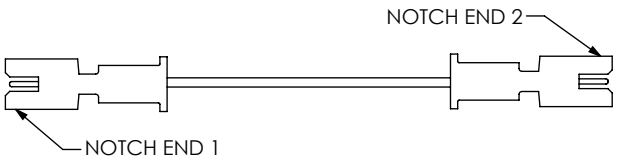
DESCRIPTION:
.050[1.27] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.
TFSSX-XX-XXX-XX-XX.XX-X-XXX

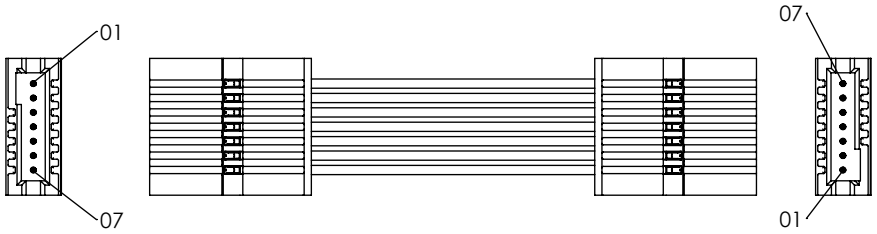
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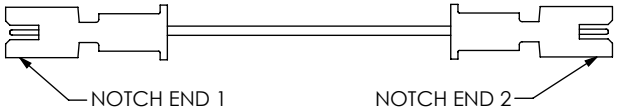
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-NUS
(END 2 NOTCH UP, CABLE STRAIGHT)
(PIN 1 TO PIN 1)





-NDS
(END 2 NOTCH DOWN, CABLE STRAIGHT)
(PIN 1 TO PIN 7)

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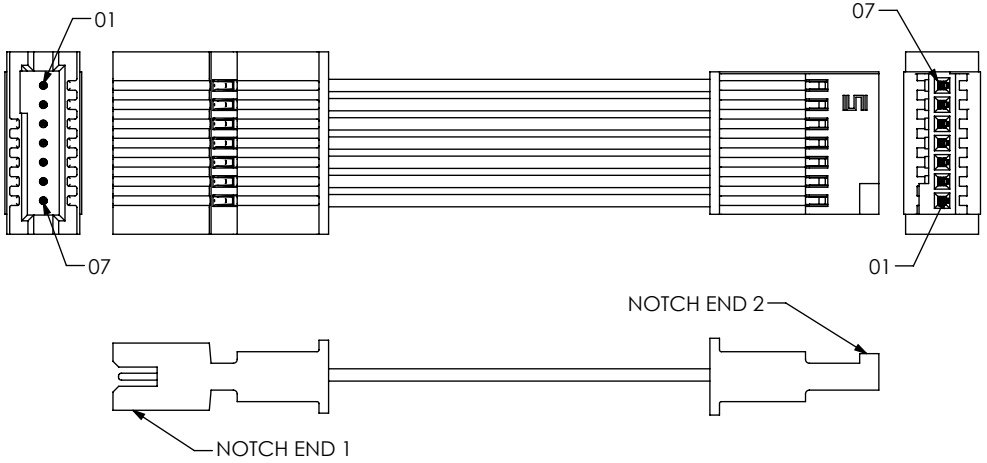
DESCRIPTION:
.050[1.27] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.
TFSSX-XX-XXX-XX-XX.XX-X-XXX

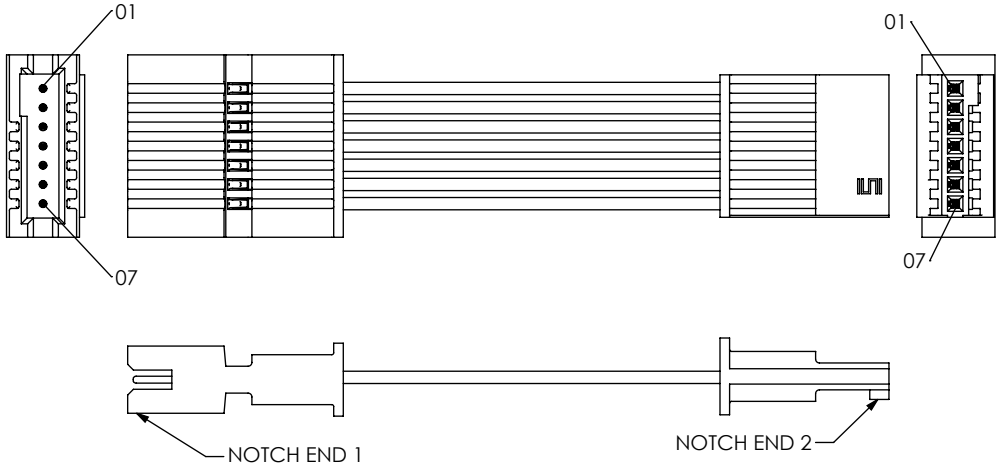
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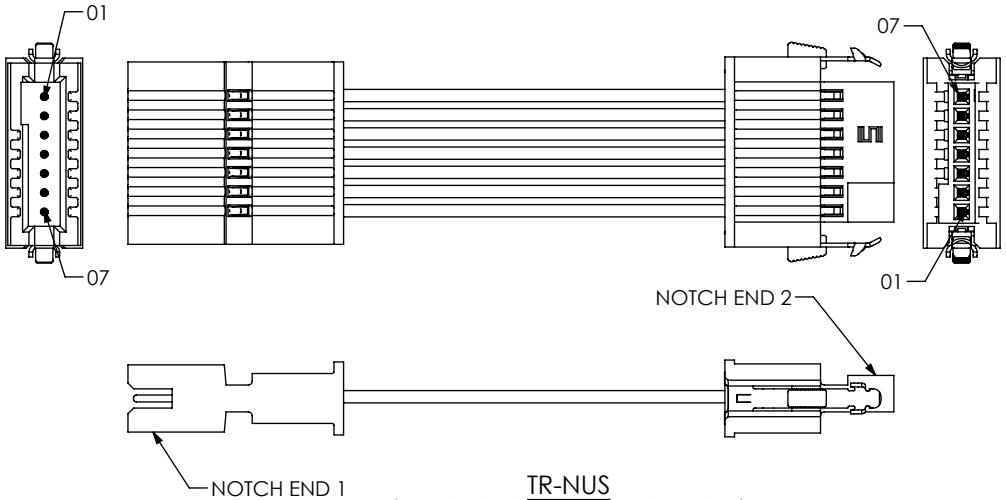
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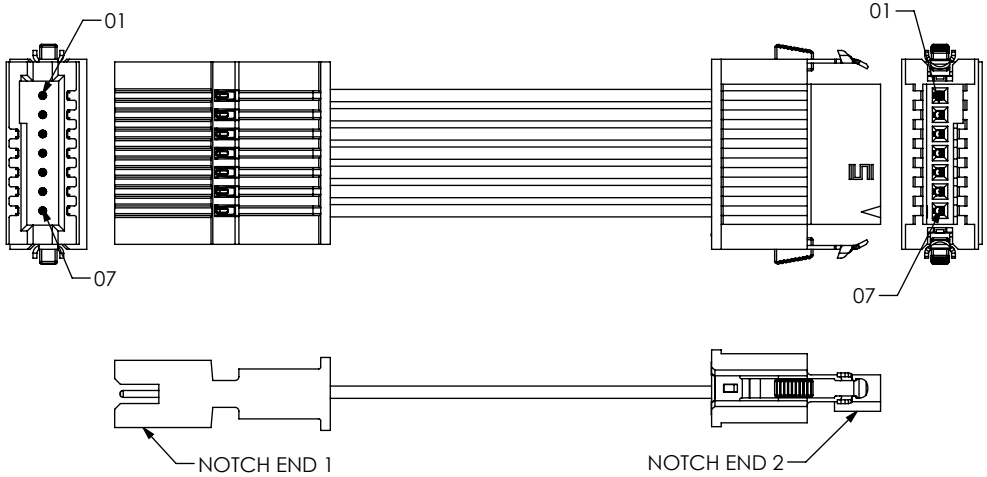
T-NUS
(END 2 NOTCH UP, CABLE STRAIGHT)
(PIN 1 TO PIN 7)



T-NDS
(END 2 NOTCH DOWN, CABLE STRAIGHT)
(PIN 1 TO PIN 1)



TR-NUS
(END 2 NOTCH UP, CABLE STRAIGHT)
(PIN 1 TO PIN 7)



TR-NDS
(END 2 NOTCH DOWN, CABLE STRAIGHT)
(PIN 1 TO PIN 1)

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