



**THE DATASHEET OF
T2SD-13-28-L-12.00-D-NDX**



**DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]**

DO NOT
SCALE FROM
THIS PRINT

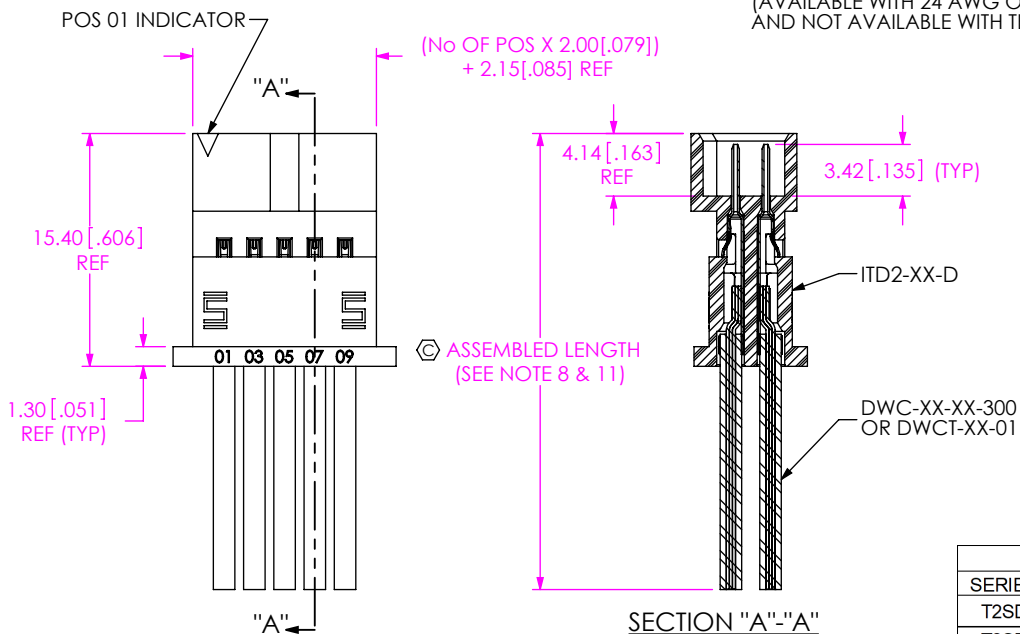
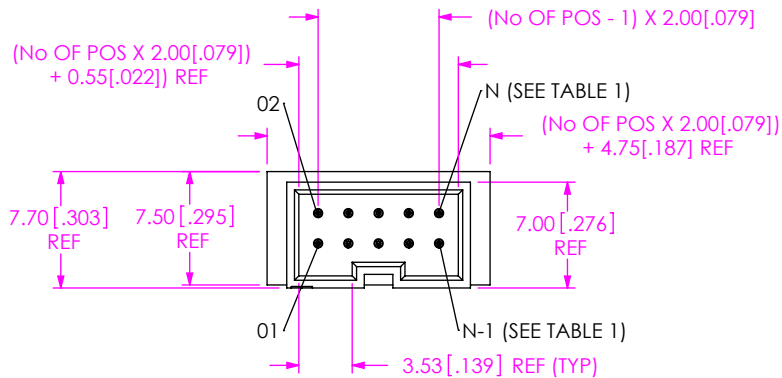


TABLE 1		
No OF POSITIONS	N	N-1
-02	4	3
-04	8	7
-05	10	9
-07	14	13
-10	20	19
-15	30	29
-20	40	39
-25	50	49
-30	60	59

FIG 1
T2SDX-05-24-X-XX-XX-S SHOWN

NOTES:

- ⊗ REPRESENTS A CRITICAL DIMENSION.
- MINIMUM PULLOUT FORCE: 2.5 LBS [11.1 N].
- ⊗ 3. CONTACTS MUST BE INSERTED UNTIL RETENTION FEATURES LOCK INTO PLACE.
- ⊗ 4. ALL FINISHED GOODS ARE TO BE ELECTRICALLY 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.
- TINNED COPPER WIRE IS ROHS COMPLIANT.
- PARTS TO BE LAYER PACKAGED.
- END OF DISCRETE WIRE MUST FALL WITHIN THIS RANGE AFTER CRIMP.
- FOR LENGTHS OF 12.00 INCHES AND LESS, TOLERANCE TO BE $\pm 3.18[.125]$, FOR LENGTHS GREATER THAN 12.00 INCHES, TOLERANCE TO BE $\pm 2\%$
- ⊗ 9. REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, AND TOOLING.
- ASSEMBLYS USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
- CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.

F:\DWG\MISC\MKTG\T2SDX-XX-XXX-XX-XX-XX-XXX-MKT.SLDDRW

T2SDX-XX-XXX-XX-XX-XX-XXX

TEFLON CABLE OPTION
-T: TEFLON (AVAILABLE WITH 24, 28, 30 AWG ONLY) (LEAVE BLANK FOR STANDARD PVC INSULATION) (SEE NOTE 10)

No OF POSITIONS
-02, -03, -04, -05, -07, -10, -15, -20, -25, & -30 (PER ROW)
AVAILABLE AS STANDARD
-05 THRU -30 AVAILABLE AS ASO FOR POS NOT AVAILABLE AS STANDARD

WIRE GAUGE (AWG)
-24, -26, -28, & -30

COLOR CODE:
(LEAVE BLANK FOR ALL BLACK WIRE)
**C: COLOR CODED WIRE, SEE TABLE 3, SHEET 3 FOR COLOR SEQUENCE (AVAILABLE WITH 24 AWG ONLY AND NOT AVAILABLE WITH TEFLON)

-NXX OPTION (END 2)
(ONLY AVAILABLE WITH -D, -T, & -TR)
-NUS: NOTCH UP, STRAIGHT (PIN 1 TO N-1)
-NDS: NOTCH DOWN, STRAIGHT (PIN 1 TO 2)
-NUX: NOTCH UP, CROSSED (PIN 1 TO N)
-NDX: NOTCH DOWN, CROSSED (PIN 1 TO 1)

END OPTION

-S: SINGLE ENDED (SEE FIG 1)
-D: DOUBLE ENDED (SEE FIG'S 2, 3, 4, & 5)
-T: TRANSFER ENDED (SEE FIG'S 6, 7, 8, & 9)
-TR: TRANSFER ENDED WITH RETENTION LATCH (SEE FIG'S 10, 11, 12, & 13)

ASSEMBLED LENGTH

SPECIFY IN INCHES
SINGLE ENDED: 03.00 INCH MINIMUM
DOUBLE ENDED: 03.25 INCH MINIMUM

PLATING SPECIFICATION

-L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA, BRIGHT ACID TIN ON TAIL
-S: 30μ" SELECTIVE GOLD IN CONTACT AREA, BRIGHT ACID TIN ON TAIL
-F: 3μ" FLASH GOLD IN CONTACT AREA, BRIGHT ACID TIN ON TAIL

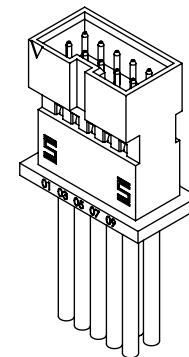


TABLE 2				
SERIES	WIRE GAUGE	CABLE	TERMINAL	CONTACT*
T2SD	24	DWC-24-XX-300	T-1M82-2426-XX	C-281-2426-X
T2SD	26	DWC-26-XX-300	T-1M82-2426-XX	C-281-2426-X
T2SD	28	DWC-28-XX-300	T-1M82-2830-XX	C-281-2830-X
T2SD	30	DWC-30-XX-300	T-1M82-2830-XX	C-281-2830-X
T2SDT	24	DWCT-24-01-TC	T-1M82-2426-XX	C-281-2426-X
T2SDT	28	DWCT-28-01-TC	T-1M82-2830-XX	C-281-2830-X
T2SDT	30	DWCT-30-01-TC	T-1M82-2830-XX	C-281-2830-X

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES ARE:
DECIMALS ANGLES
X.X: $\pm 0.3[.01]$ 2°
X.XX: $\pm 0.13[.005]$
X.XXX: $\pm 0.051[.0020]$

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MATERIAL:
INSULATOR: LCP, COLOR: BLACK
TERMINAL: PHOS BRONZE
CABLE INSULATION: SEE CALLOUT
WIRE: TINNED COPPER

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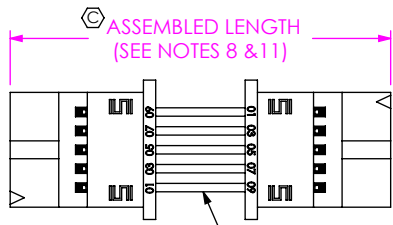
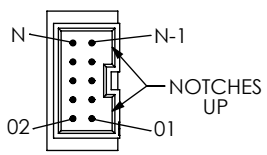
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
2.00mm TERMINAL DISCRETE CABLE ASSM.

DWG. NO.
T2SDX-XX-XXX-XX-XX-XX-XXX

BY: J. BORGELT 5/18/09 SHEET 1 OF 4

REVISION S



DWL-13-XXX-D-XX.XX-XX OR
DWLT-13-XX-X-XX.XX-XX-XX FOR
(-T) TEFLON OPTION (SEE TABLE 2)

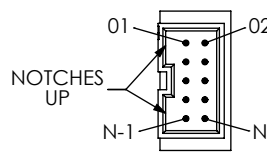


FIG 2
T2SDX-05-28-X-XX.XX-D-NUS SHOWN
(SAME AS FIG 1 EXCEPT AS SHOWN)
(PIN 01 TO N-1)

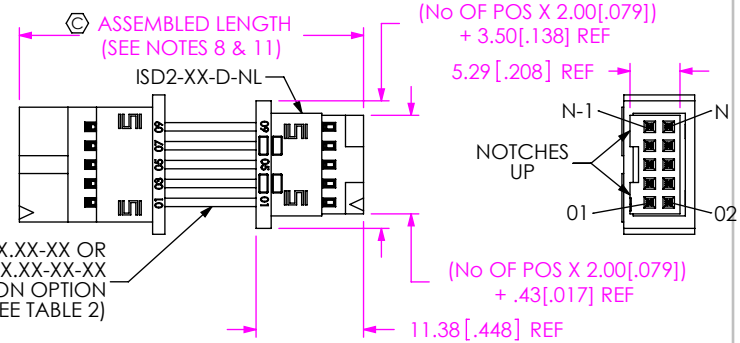


FIG 6
T2SDX-05-28-X-XX.XX-T-NUS SHOWN
(SAME AS FIG 1 EXCEPT AS SHOWN)
(PIN 01 TO 01)

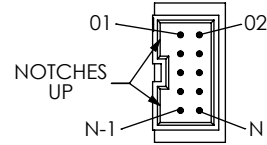
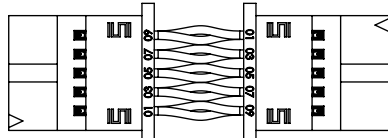
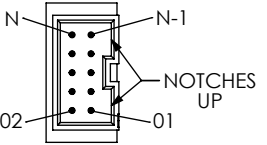


FIG 3
T2SDX-05-28-X-XX.XX-D-NUX SHOWN
(SAME AS FIG 1 EXCEPT AS SHOWN)
(PIN 01 TO N)

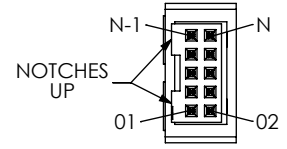
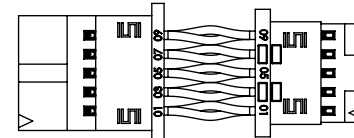
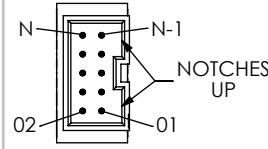


FIG 7
T2SDX-05-28-X-XX.XX-T-NUX SHOWN
(SAME AS FIG 6 EXCEPT AS SHOWN)
(PIN 01 TO 02)

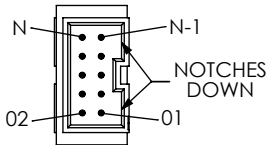
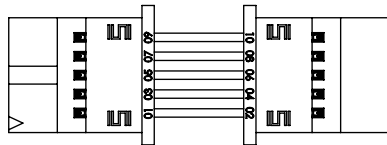
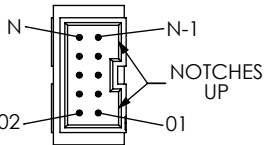


FIG 4
T2SDX-05-28-X-XX.XX-D-NDS SHOWN
(SAME AS FIG 1 EXCEPT AS SHOWN)
(PIN 01 TO 02)

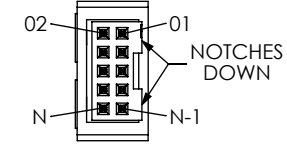
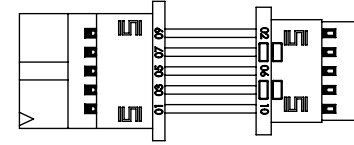
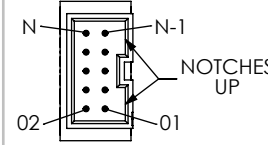


FIG 8
T2SDX-05-28-X-XX.XX-T-NDS SHOWN
(SAME AS FIG 6 EXCEPT AS SHOWN)
(PIN 01 TO N)

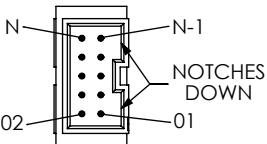
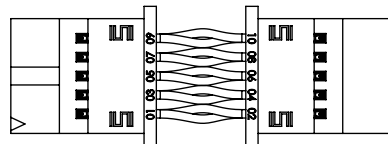
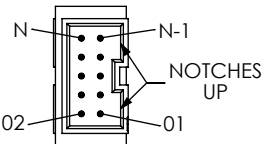


FIG 5
T2SDX-05-28-X-XX.XX-D-NDX SHOWN
(SAME AS FIG 1 EXCEPT AS SHOWN)
(PIN 01 TO 01)

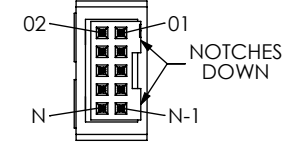
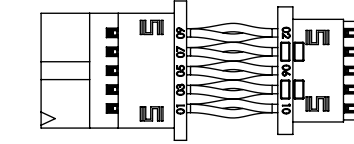
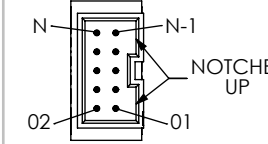


FIG 9
T2SDX-05-28-X-XX.XX-T-NDX SHOWN
(SAME AS FIG 6 EXCEPT AS SHOWN)
(PIN 01 TO N-1)

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DESCRIPTION:
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DWG. NO.
T2SDX-XX-XXX-XX-XX.XX-XX-XXX

BY: J. BORGELT 5/18/09 SHEET 2 OF 4

REVISION S

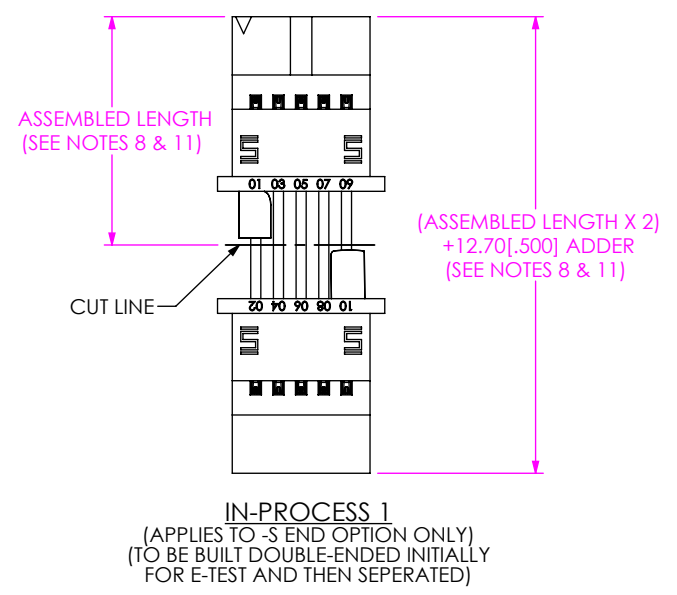
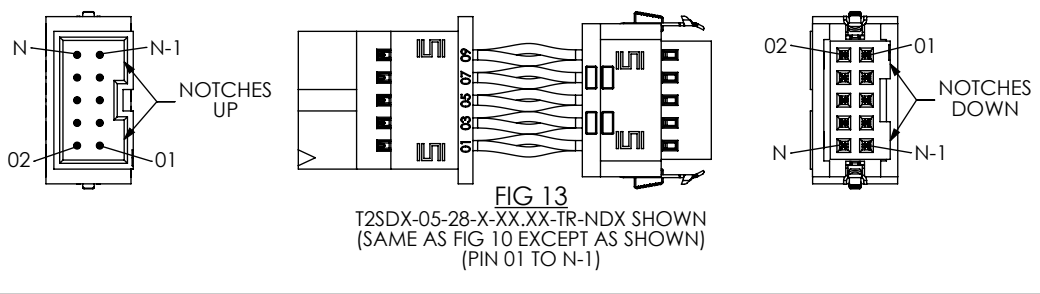
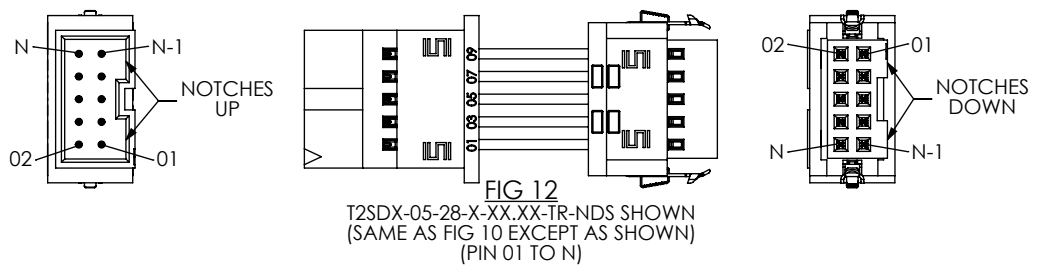
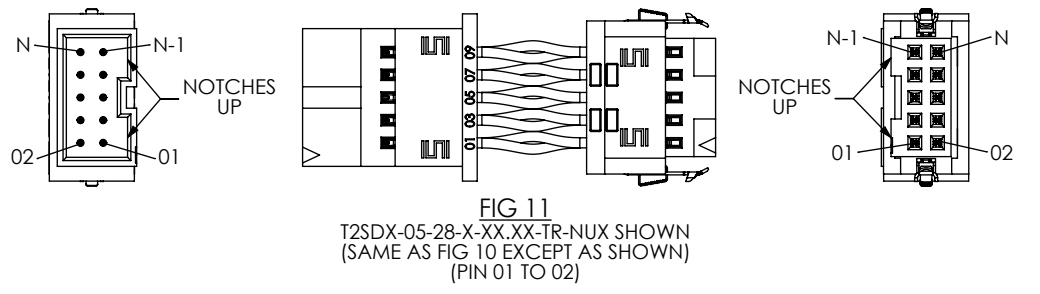
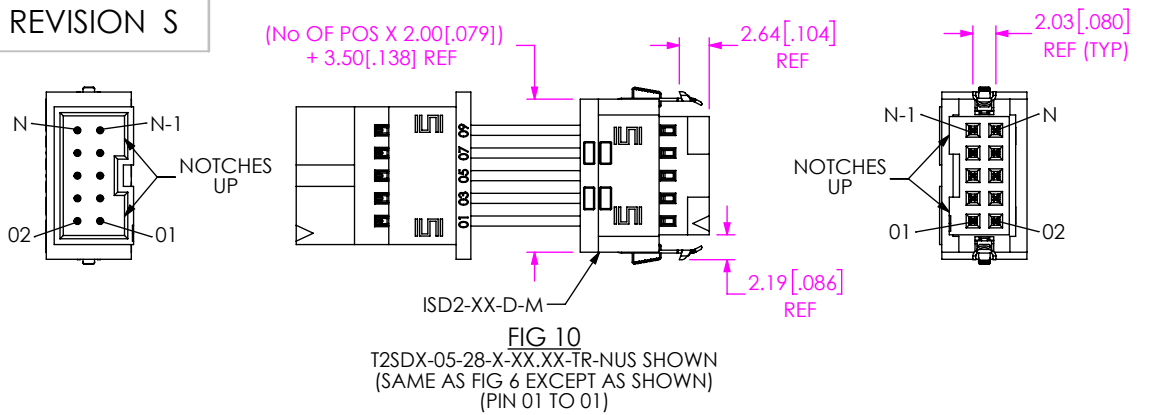


TABLE 3

POS #	COLOR SEQUENCE									
	BROWN	RED	ORANGE	YELLOW	GREEN	VIOLET	GRAY	WHITE	BLACK	BLUE
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	

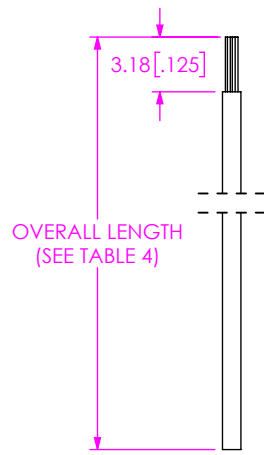
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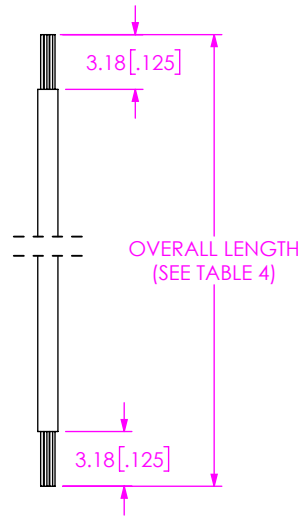
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e-Mail info@SAMTEC.com code 55322

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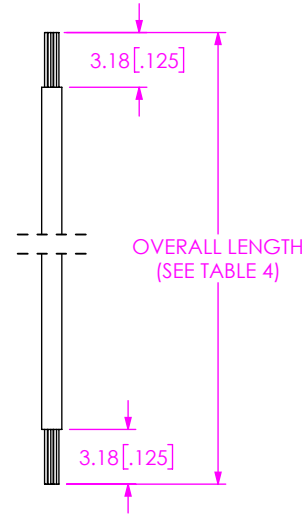
DESCRIPTION:
2.00mm TERMINAL DISCRETE CABLE ASSM.
DWG. NO.
T2SDX-XX-XXX-XX-XX.XX-XX-XXX
BY: J. BORGELT 5/18/09 SHEET 3 OF 4



-S: SINGLE END



-D: DOUBLE END



-T: TRANSFER END

CABLE CUT IN-PROCESS

TABLE 4 (OVERALL LENGTH SUBTRACTORS) (SEE NOTE 11)	
	LENGTH
-S: SINGLE END	.375 [9.53]
-D: DOUBLE END	.750 [19.05]
-T: TRANSFER END	.600 [15.24]

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SHEET SCALE: 1.5:1



DESCRIPTION:
2.00mm TERMINAL DISCRETE CABLE ASSM.

DWG. NO.
T2SDX-XX-XXX-XX-XX.XX-XX-XXX

BY: J. BORGELT 5/18/09 SHEET 4 OF 4

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