REVISION S

DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS[INCHES]

T2SDX-XX-XXX-XX-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 POSITONS
-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

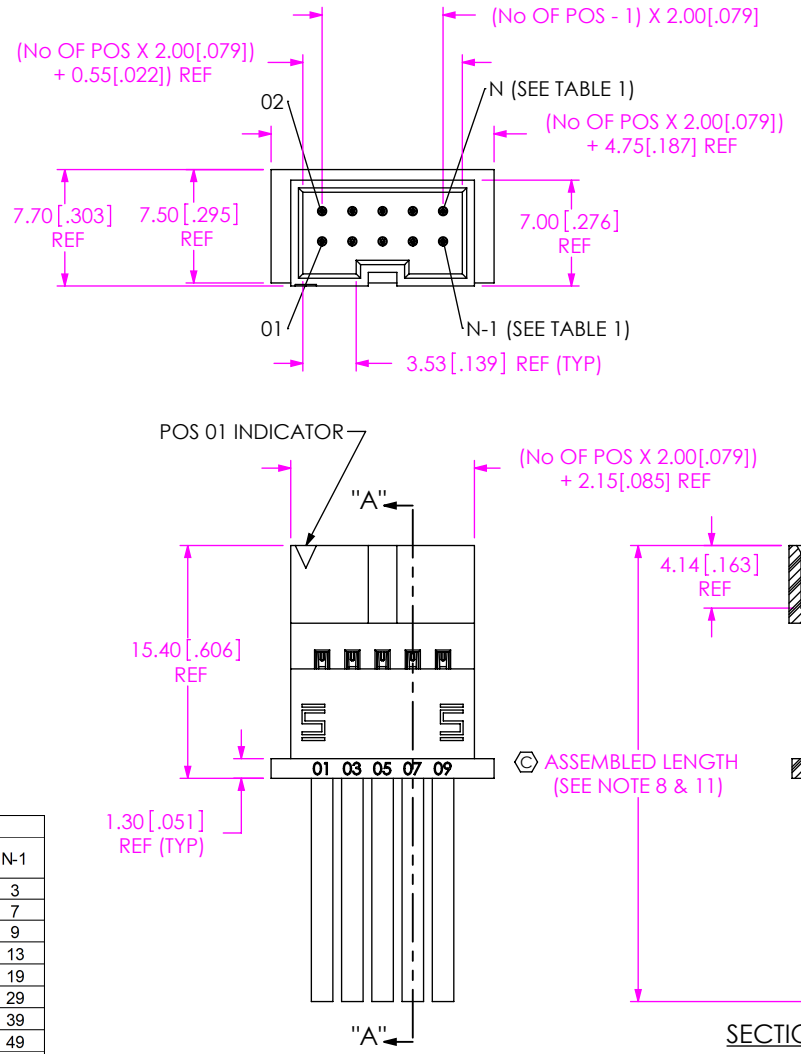
COLOR CODE:
(LEAVE BLANK FOR ALL BLACK WIRE)
**-C: COLOR CODED WIRE, SEE TABLE 3, SHEET 3 FOR COLOR SEQUENCE
(AVAILABLE WITH 24 AWG ONLY AND NOT AVAILABLE WITH TEFLON)

-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



SECTION "A"-"A"

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

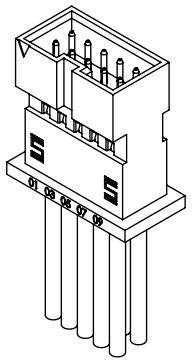


TABLE 1		
No OF POSITIONS	N	N-1
-02	4	3
-04	8	7
-05	10	9
-07	14	13
-10	20	19
-15	30	29
-20	40	39
-25	50	49
-30	60	59

NOTES:

1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. 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.
5. TINNED COPPER WIRE IS RoHS COMPLIANT.
6. PARTS TO BE LAYER PACKAGED.
7. END OF DISCRETE WIRE MUST FALL WITHIN THIS RANGE AFTER CRIMP.
8. FOR LENGTHS OF 12.00 INCHES AND LESS, TOLERANCE TO BE ± 3.18[.125], FOR LENGTHS GREATER THAN 12.00 INCHES, TOLERANCE TO BE ± 2%
9. Ⓒ REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, AND TOOLING.
10. ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
11. CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.

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

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: X.X: ±0.3 [.01], X.XX: ±0.13 [.005], X.XXX: ±0.051 [.0020]
ANGLES: 2 °

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SHEET SCALE: 2:1

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

samtec
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-XX-XXX

BY: J. BORGELT 5/18/09

REVISION S

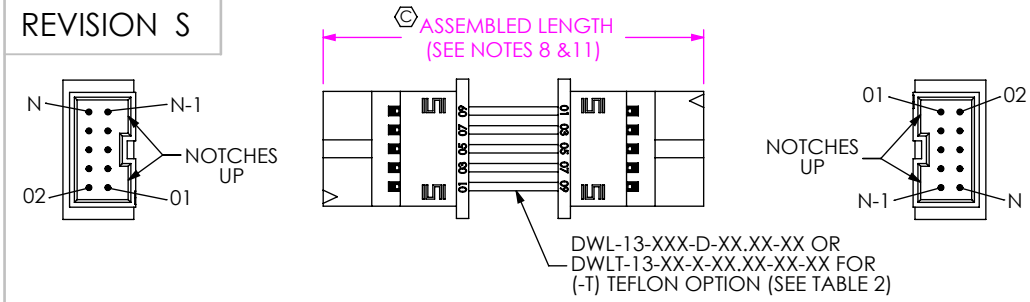

FIG 2
T2SDX-05-28-X-XX.XX-D-NUS SHOWN
(SAME AS FIG 1 EXCEPT AS SHOWN)
(PIN 01 TO N-1)

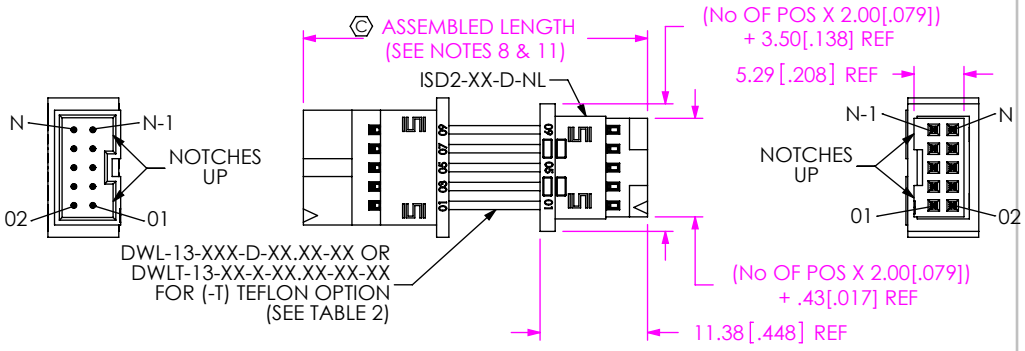

FIG 6
T2SDX-05-28-X-XX.XX-T-NUS SHOWN
(SAME AS FIG 1 EXCEPT AS SHOWN)
(PIN 01 TO 01)

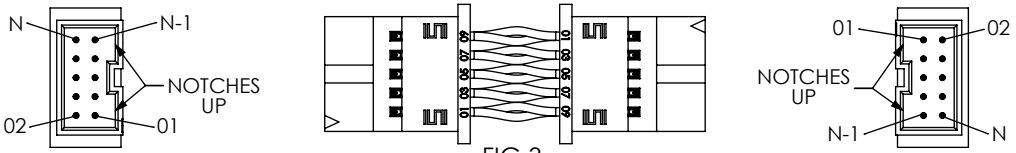

FIG 3
T2SDX-05-28-X-XX.XX-D-NUX SHOWN
(SAME AS FIG 1 EXCEPT AS SHOWN)
(PIN 01 TO N)

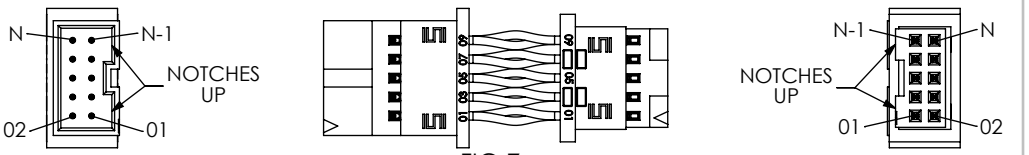

FIG 7
T2SDX-05-28-X-XX.XX-T-NUX SHOWN
(SAME AS FIG 6 EXCEPT AS SHOWN)
(PIN 01 TO 02)

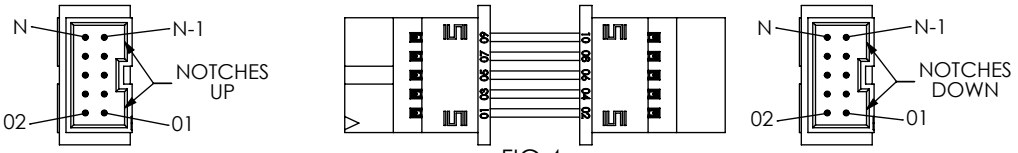

FIG 4
T2SDX-05-28-X-XX.XX-D-NDS SHOWN
(SAME AS FIG 1 EXCEPT AS SHOWN)
(PIN 01 TO 02)

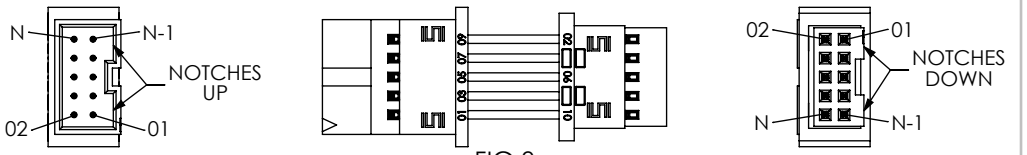

FIG 8
T2SDX-05-28-X-XX.XX-T-NDS SHOWN
(SAME AS FIG 6 EXCEPT AS SHOWN)
(PIN 01 TO N)

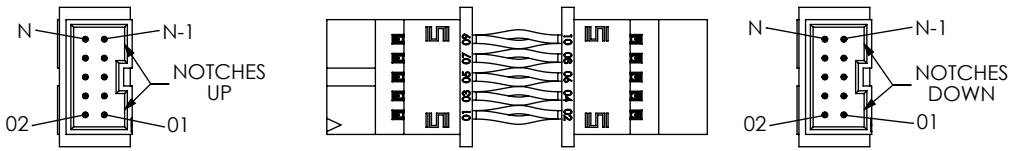

FIG 5
T2SDX-05-28-X-XX.XX-D-NDX SHOWN
(SAME AS FIG 1 EXCEPT AS SHOWN)
(PIN 01 TO 01)

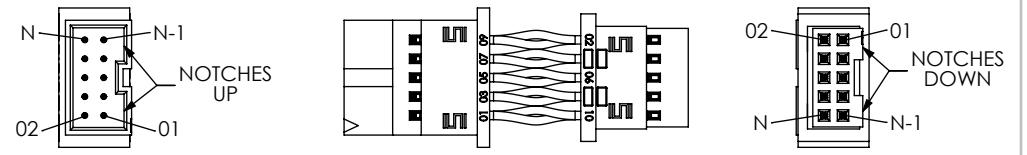

FIG 9
T2SDX-05-28-X-XX.XX-T-NDX SHOWN
(SAME AS FIG 6 EXCEPT AS SHOWN)
(PIN 01 TO N-1)

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

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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-XX-XXX

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

REVISION S

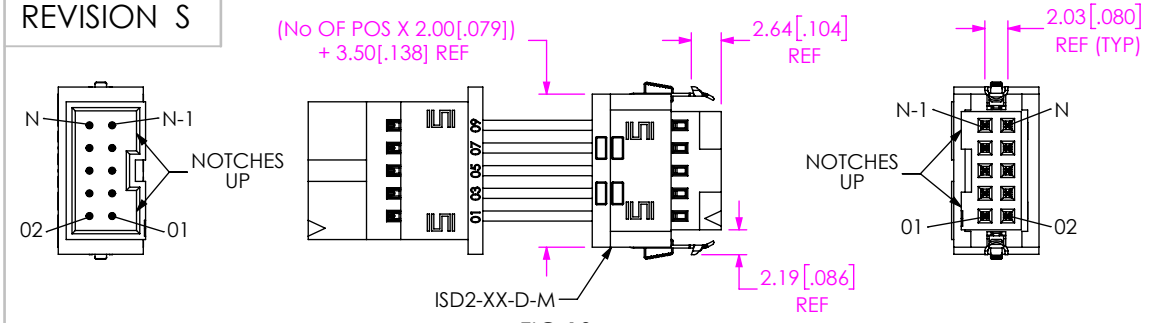


FIG 10
T2SDX-05-28-X-XX.XX-TR-NUS SHOWN
(SAME AS FIG 6 EXCEPT AS SHOWN)
(PIN 01 TO 01)

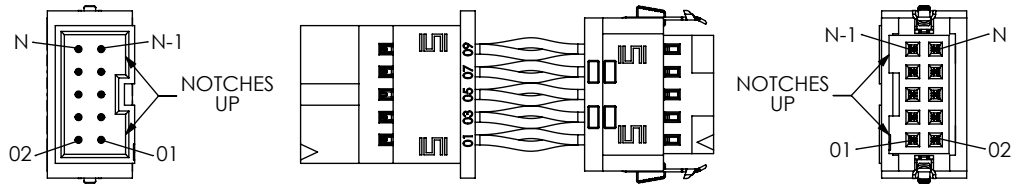


FIG 11
T2SDX-05-28-X-XX.XX-TR-NUX SHOWN
(SAME AS FIG 10 EXCEPT AS SHOWN)
(PIN 01 TO 02)

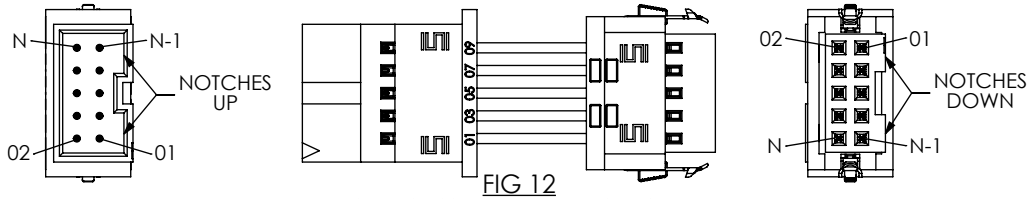


FIG 12
T2SDX-05-28-X-XX.XX-TR-NDS SHOWN
(SAME AS FIG 10 EXCEPT AS SHOWN)
(PIN 01 TO N)

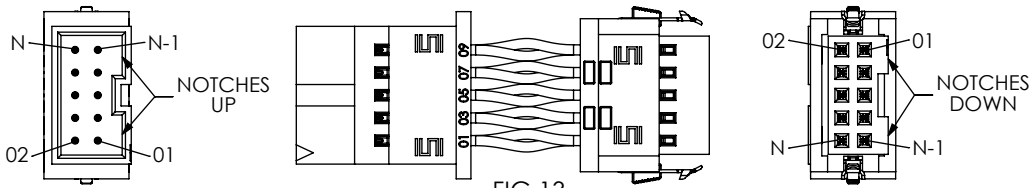
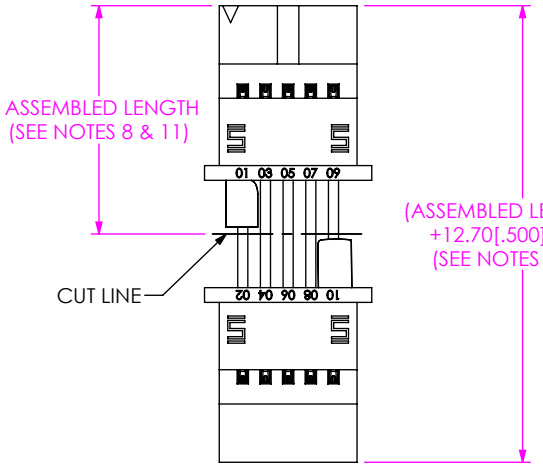


FIG 13
T2SDX-05-28-X-XX.XX-TR-NDX SHOWN
(SAME AS FIG 10 EXCEPT AS SHOWN)
(PIN 01 TO N-1)



IN-PROCESS 1
(APPLIES TO -S END OPTION ONLY)
(TO BE BUILT DOUBLE-ENDED INITIALLY
FOR E-TEST AND THEN SEPERATED)

TABLE 3

	COLOR SEQUENCE									
	BROWN	RED	ORANGE	YELLOW	GREEN	VIOLET	GRAY	WHITE	BLACK	BLUE
POS #	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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e-Mail info@SAMTEC.com code 55322

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

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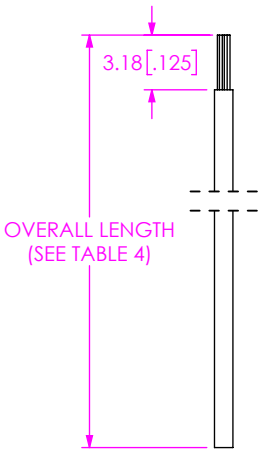
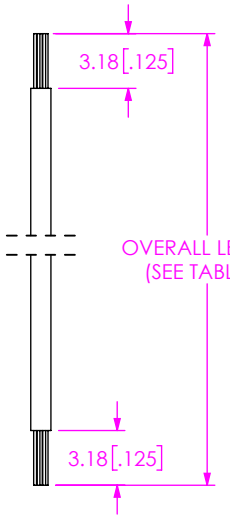
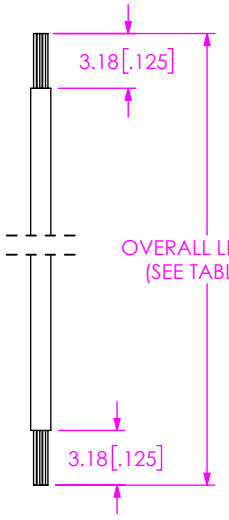


-S: SINGLE END



-D: DOUBLE END



-T: TRANSFER END

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]

CABLE CUT IN-PROCESS

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e-Mail info@SAMTEC.com code 55322

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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