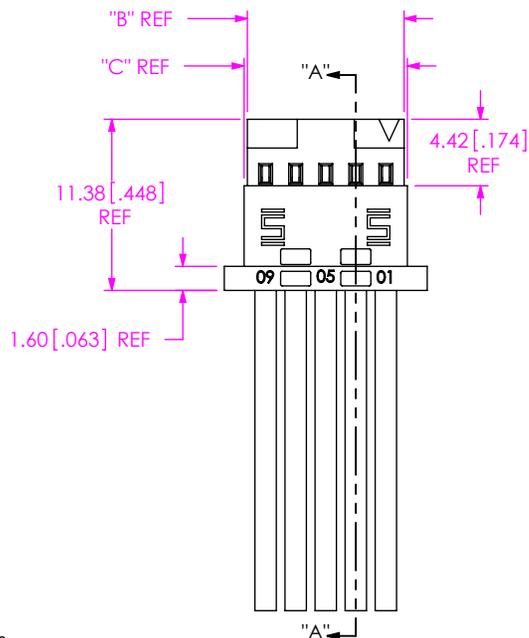
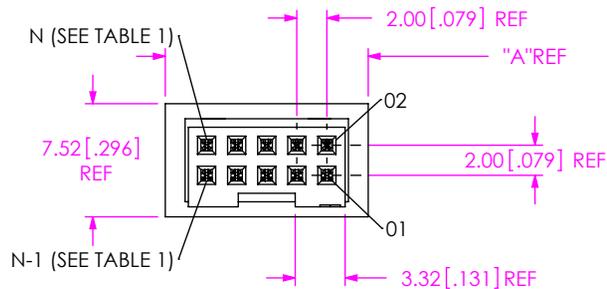


**DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]**

S2SDX-XX-XXX-XX-XX.XX-XX-XXX

**DO NOT
SCALE FROM
THIS PRINT**



⊕ ASSEMBLED LENGTH
(SEE NOTE 8)

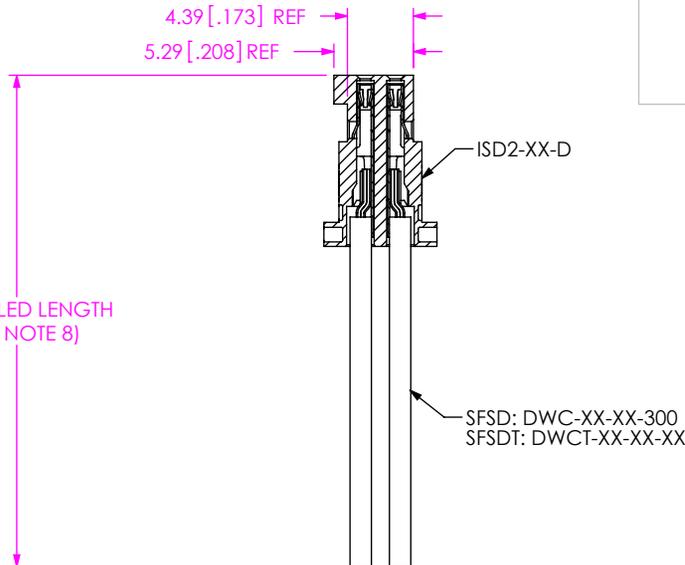
TEFLON CABLE OPTION
-T: TEFLON (AVAILABLE WITH 24, 28 & 30AWG ONLY) (LEAVE BLANK FOR STANDARD PVC INSULATION)

No OF POSITIONS
-02, -04, -05, -07, -10, -15, -20, -25, & -30 (PER ROW)
AVAILABLE AS STANDARD
-05 THRU -50 AVAILABLE AS ASO

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 & NOT AVAILABLE WITH TEFLON)

PLATING SPECIFICATION
-L: LIGHT SELECTIVE
-S: SELECTIVE



SECTION "A"-"A"

-NXX OPTION (END 2)
(ONLY AVAILABLE WITH -D, -DL, -DR, -DS)
-NUS: NOTCH UP, STRAIGHT (PIN 1 TO N-1) (SEE FIG 2)
-NDS: NOTCH DOWN, STRAIGHT (PIN 1 TO 2) (SEE FIG 4)
-NUX: NOTCH UP, CROSSED (PIN 1 TO N) (SEE FIG 3)
-NDX: NOTCH DOWN, CROSSED (PIN 1 TO 1) (SEE FIG 5)

END OPTION
-S: SINGLE ENDED (SEE FIG 1)
-D: DOUBLE ENDED (SEE FIG'S 2, 3, 4, 5, 6, & 7)
-SR: SINGLE ENDED WITH RETENTION LATCH (SEE FIG 6)
-DR: DOUBLE ENDED WITH RETENTION LATCH (SEE FIG 7)
-SS: DUAL SCREW DOWN, SINGLE ENDED CABLE (SEE FIG 8, SHT 3) (ONLY AVAILABLE UP TO 30 POSITIONS) (USES ISD2-XX-D-DS, CPS-RR-M2-01-N, AND ACCRT-01)
-DS: DUAL SCREW DOWN, DOUBLE ENDED CABLE (SEE FIG 9, SHT 3) (ONLY AVAILABLE UP TO 30 POSITIONS) (USES ISD2-XX-D-DS, CPS-RR-M2-01-N, AND ACCRT-01)

**ASSEMBLED LENGTH
SPECIFY IN INCHES**
SINGLE ENDED: 02.75 INCH MINIMUM
DOUBLE ENDED: 02.75 INCH MINIMUM

** = NOT RELEASED FOR PRODUCTION

No OF POSITIONS	N	N-1	"A"	"B"	"C"
-02	4	3	7.500	4.430	4.860
-04	8	7	11.500	8.430	8.860
-05	10	9	13.500	10.430	10.860
-07	14	13	17.500	14.430	14.860
-10	20	19	23.500	20.430	20.860
-15	30	29	33.500	30.430	30.860
-20	40	39	43.500	40.430	40.860
-25	50	49	53.500	50.430	50.860
-30	60	59	63.500	60.43	60.860

SERIES	AWG	CABLE	CONTACT
S2SD	24	DWC-24-XX-300	C-281-2426-X
S2SD	26	DWC-26-XX-300	C-281-2426-X
S2SD	28	DWC-28-XX-300	C-281-2830-X
S2SD	30	DWC-30-XX-300	C-281-2830-X
*S2SDT	24	DWCT-24-01-TC	C-281-2426-X
*S2SDT	28	DWCT-28-01-TC	C-281-2830-X
*S2SDT	30	DWCT-30-01-TC	C-281-2830-X

NOTES:

- ⊕ REPRESENTS A CRITICAL DIMENSION.
- MINIMUM PULLOUT FORCE: 11.1N [2.5LBS].
- CONTACTS MUST BE INSERTED UNTIL RETENTION FEATURES LOCK INTO PLACE.
- ALL FINISHED GOODS ARE TO BE ELECTRICALLY TESTED INCLUDING HI-POT TEST AT 1000 VOLTS DC. 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 FALL WITHIN THIS RANGE AFTER CRIMP.
- 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%
- REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING AND ITS REQUIREMENTS.
- NOTE DELETED
- TC TEFLON IS TO BE USED EXCLUSIVE WITH DOUBLE ENDED ASSEMBLIES, ALL SINGLE ENDED ASSEMBLIES USE SILVER PLATED DWCT-XX-01.
- CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.
- DUAL POLARIZATION FEATURE NOT AVAILABLE ON BODIES LESS THAN 5 POSITIONS.

FIG 1
S2SDX-05-24-X-XX.XX-S SHOWN

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

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
INSULATOR: LCP, COLOR: BLACK
CONTACT: B8CU
CABLE INSULATION
S2SD: PVC, COLOR: (SEE 'COLOR CODE')
S2SDT: TEFLON, COLOR: BLUE
CABLE WIRE
S2SD: TINNED COPPER
S2SDT: SILVERED COPPER or TINNED COPPER (SEE DWCT PRINT FOR OPTIONS)
F:\DWG\MISC\MKTG\S2SDX-XX-XXX-XX-XX-XX-XXX-MKT.SLDDRW



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 SOCKET DISCRETE CABLE ASSEMBLY
DWG. NO.
S2SDX-XX-XXX-XX-XX.XX-XX-XXX
BY: J. BORGELT 2/20/09 SHEET 1 OF 4

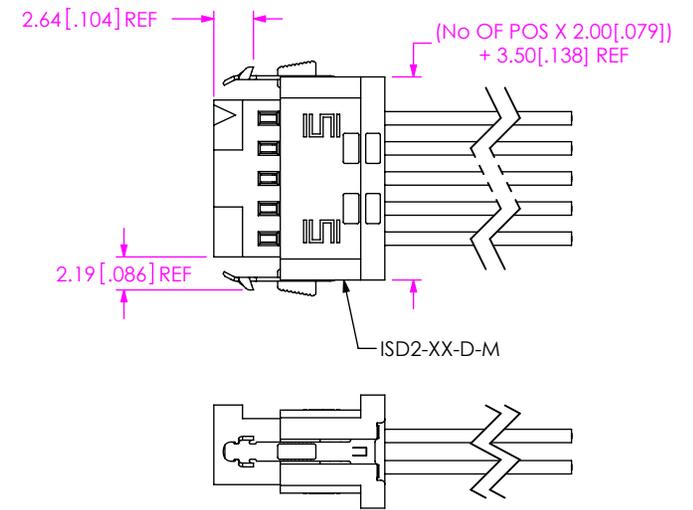
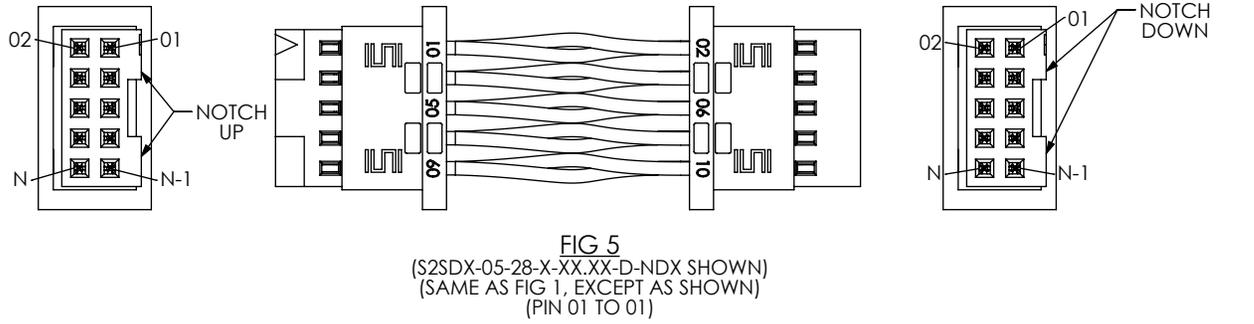
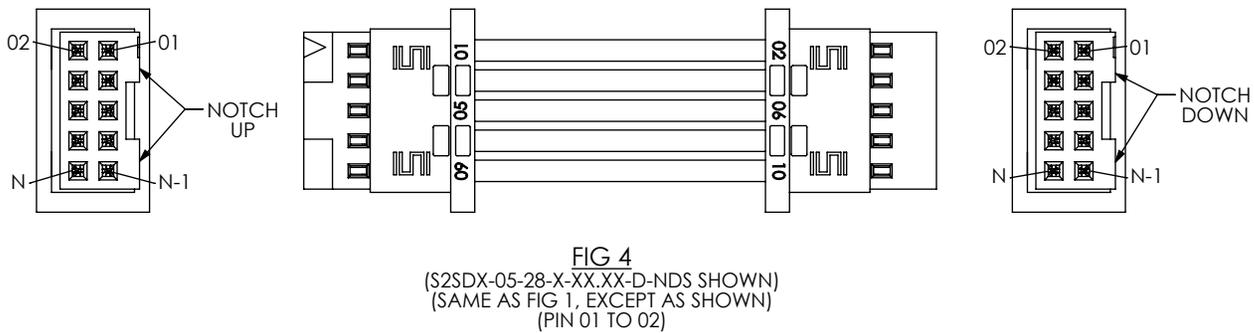
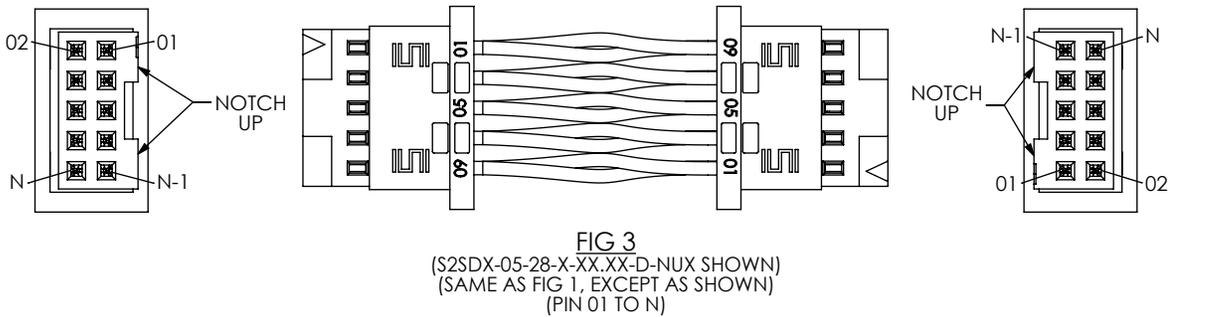
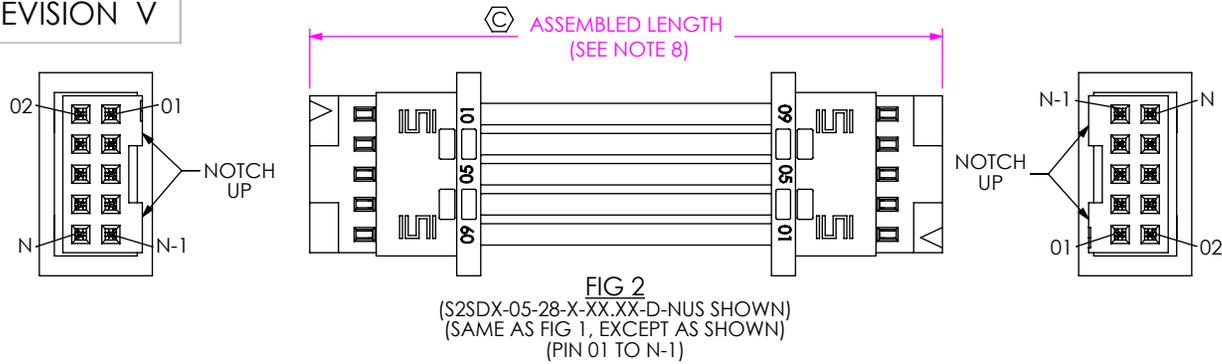


FIG 6
(S2SDX-05-28-X-XX.XX-SR SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)

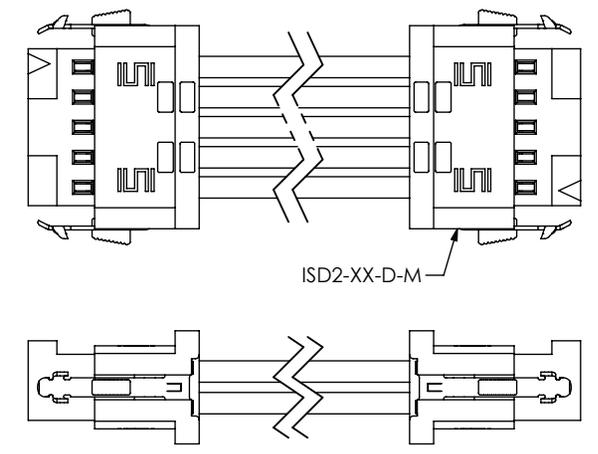


FIG 7
(S2SDX-05-28-X-XX.XX-DR-DUS SHOWN)
(SAME AS FIG 6, EXCEPT AS SHOWN)

F:\DWG\MISC\MKTG\S2SDX-XX-XXX-XX-XX-XX-XXX-MKT.SLDDRW

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SHEET SCALE: 2:1

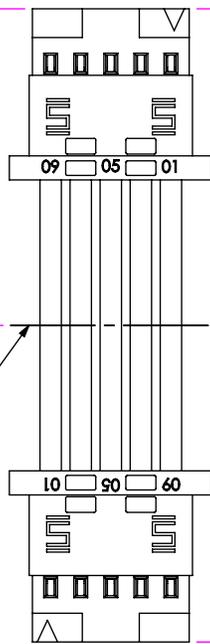
samtec
520 PARK EAST BLVD. NEW ALBANY, IN 47150
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BY: J. BORGELT 2/20/09 SHEET 2 OF 4

ASSEMBLED LENGTH
(SEE NOTE 8 & 12)

CUT LINE

(ASSEMBLED LENGTH X 2)
+ 12.70[.500] ADDER
(SEE NOTE 8 & 12)



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

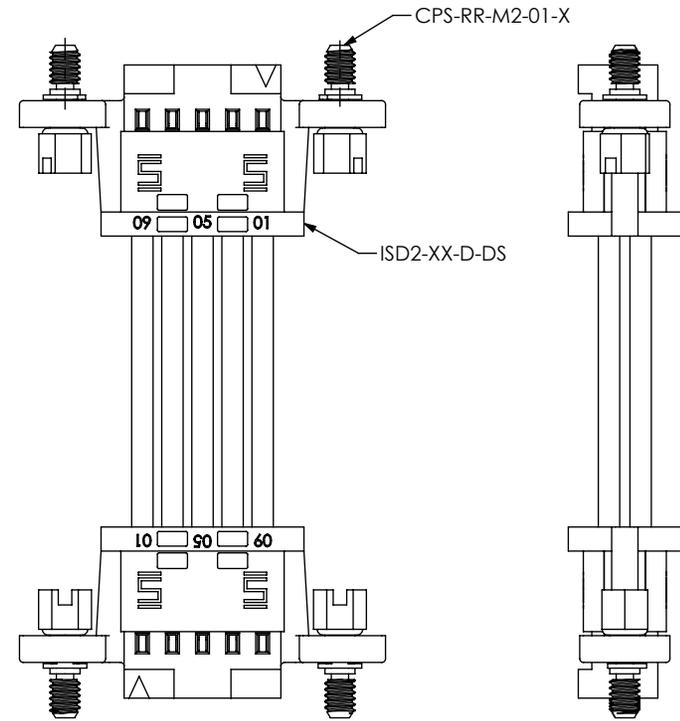


FIG 9
-DS: DOUBLE ENDED WITH SCREW DOWN
(S2SDX-05-28-X-XX.XX-DS-NUS SHOWN)
(SAME AS FIG 8, EXCEPT AS SHOWN)

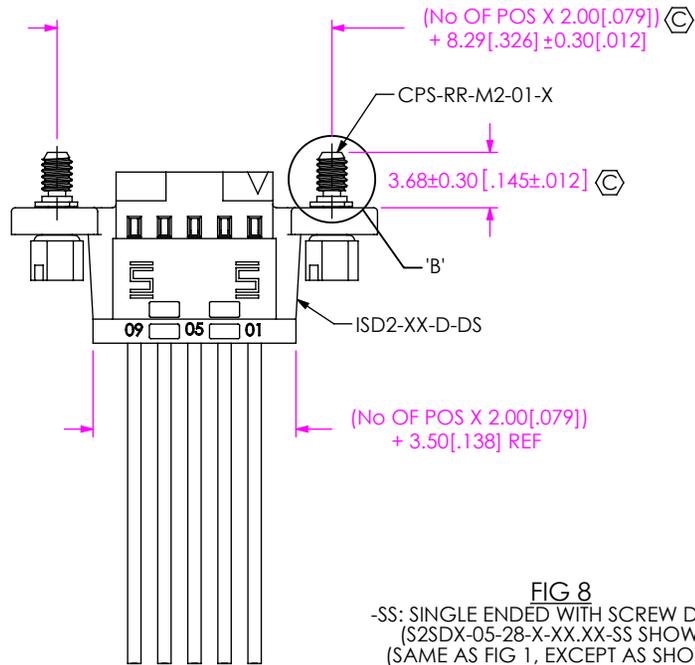
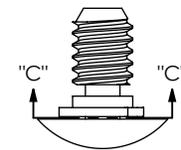
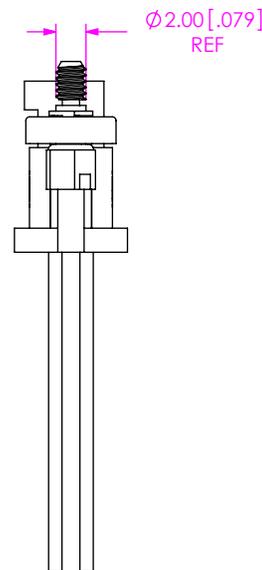
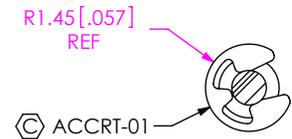


FIG 8
-SS: SINGLE ENDED WITH SCREW DOWN
(S2SDX-05-28-X-XX.XX-SS SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)



DETAIL 'B'
SCALE 4 : 1



SECTION "C"-"C"
SCALE 4 : 1

F:\DWG\MISC\MKTG\S2SDX-XX-XXX-XX-XX.XX-XXX-MKT.SLDRW

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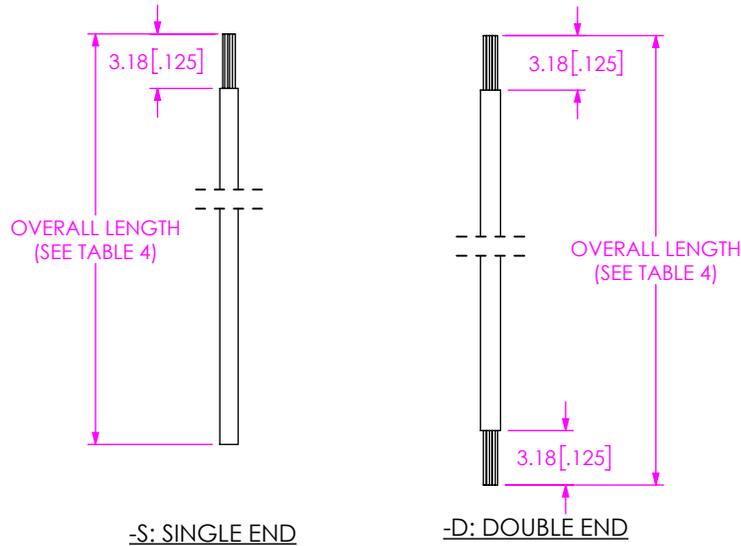


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e-Mail info@SAMTEC.com code 55322

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DWG. NO.
S2SDX-XX-XXX-XX-XX.XX-XX-XXX

BY: J. BORGELT 2/20/09 SHEET 3 OF 4



CABLE CUT IN-PROCESS

TABLE 4 (OVERALL LENGTH SUBTRACTORS) (SEE NOTE 12)	
	LENGTH
-S: SINGLE END	.224 [5.69]
-D: DOUBLE END	.448 [11.38]

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

F:\DWG\MISC\MKTG\S2SDX-XX-XXX-XX-XX-XX-XXX-MKT.SLDDRW

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