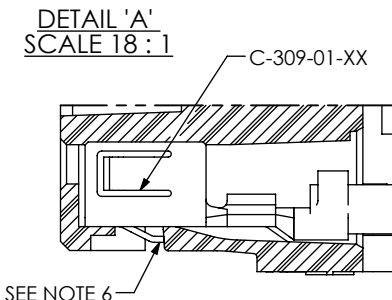
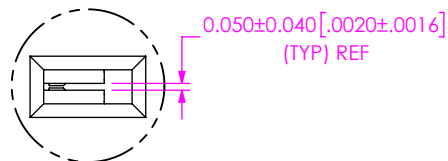
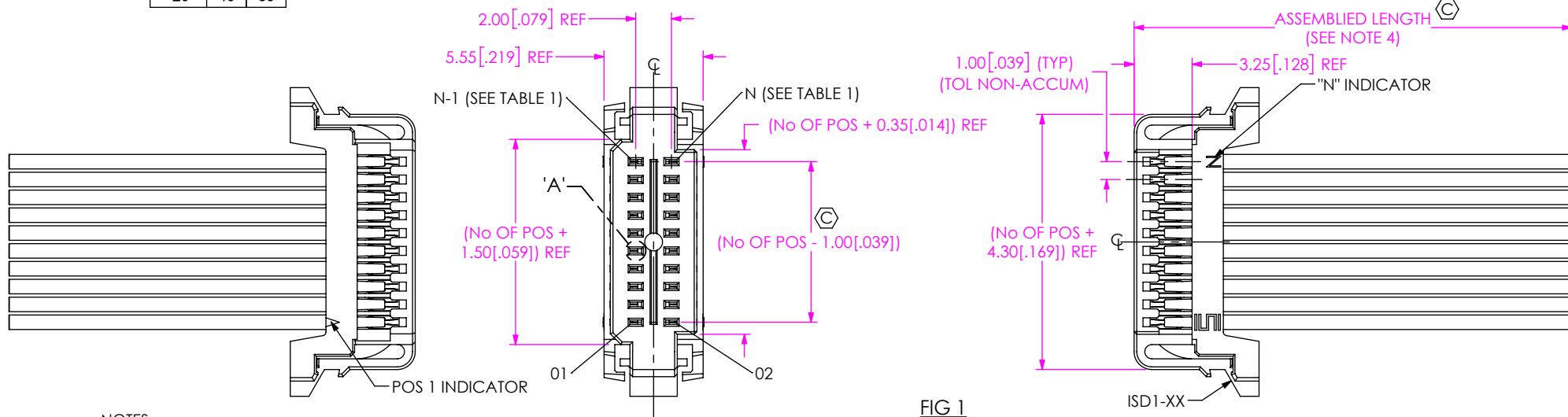


DESIGNED & DIMENSIONED  
IN MILLIMETERS[INCHES]DO NOT  
SCALE FROM  
THIS PRINT

TABLE 1		
No OF POS	N	N-1
-02	04	03
-03	06	05
-04	08	07
-05	10	09
-06	12	11
-07	14	13
-08	16	15
-09	18	17
-10	20	19
-11	22	21
-12	24	23
-13	26	25
-14	28	27
-15	30	29
-16	32	31
-17	34	33
-18	36	35
-19	38	37
-20	40	39



SEE NOTE 6

DETAIL 'B'  
SCALE 8:1

## NOTES:

1.  $\odot$  REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: SIGNAL: 4.445N[1.0 LB].
3. PARTS TO BE PACKAGED IN BAG.
4. FOR ASSEMBLED LENGTHS LESS THAN 12.0[305], TOLERANCE SHALL BE  $\pm 3.18[0.125]$ , FOR OTHER LENGTHS, TOLERANCE SHALL BE  $\pm 2\%$ .
5. REFER TO CRIMP SPECIFICATIONS FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING, AND ITS REQUIREMENTS.
6. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS IN PLACE.
7. ALL FINISHED GOODS ARE TO BE ELECTRICALLY TESTED INCLUDING HI-POT TEST AT 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, LABEL WITH 1 ET STAMP ON THE BODY.
8. ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.
9. REFER TO CRIMP SPECIFICATIONS PRINT FOR STRIP AND CRIMP DIMENSIONS, TOLERANCES, TOOLING, AND ITS REQUIREMENTS.
10. CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.
11. TABLE 3 IS DELETED AND REPLACED WITH EQUATIONS.

S1SDX-XX-XXX-XX-XX-XX-LX

FEP CABLE OPTION  
-T: FEP INSULATION  
LEAVE BLANK FOR PVC  
(SEE NOTE 8)No OF POSITIONS (PER ROW)  
-02 THRU -20WIRE GAUGE (AWG)  
-28, -30COLOR CODE  
-C COLOR CODE WIRE  
(SEE TABLE 4, SHT 2)  
LEAVE BLANK FOR STANDARD WIRE  
(SEE TABLE 2, SHT 2)  
(NOT AVAILABLE FOR TEFLON OPTION,  
TEFLON CABLE ONLY AVAILABLE IN BLUE)PINOUT  
(LEAVE BLANK FOR SINGLE END ASSEMBLY)  
-1: "N" INDICATOR DOWN, CROSSED  
PIN 1 TO PIN 1 (SEE FIG 2, SHT 2)  
-2: "N" INDICATOR DOWN, STRAIGHT  
PIN 1 TO PIN 2 (SEE FIG 3, SHT 2)  
-3: "N" INDICATOR UP, CROSSED  
PIN 1 TO PIN N (SEE FIG 4, SHT 3)  
-4: "N" INDICATOR UP, STRAIGHT  
PIN 1 TO PIN N-1 (SEE FIG 5, SHT 3)LATCH OPTION  
-L: PLASTIC LATCHASSEMBLED LENGTH  
(SPECIFY IN INCHES) 01.80 IN MINIMUMPLATING SPECIFICATION  
-T: BRIGHT ACID TIN TIN CONTACT AND TAIL  
(FOR EXISTING CUSTOMER ONLY)  
-GF: 3 $\mu$ " GOLD CONTACT AND TAILDWCX-XX-XX-XXX  
(SEE TABLE 2, SHT 2)ASSEMBLED LENGTH  
(SEE NOTE 4)FIG 1  
S1SD-10-XXX-XX-XX-XX-L SHOWNUNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE:

DECIMALS	ANGLES
X.X: $\pm 0.3 [0.1]$	2°
X.XX: $\pm 0.13 [0.05]$	
X.XXX: $\pm 0.051 [0.020]$	

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MATERIAL:

INSULATOR: NYLON UL94V-0, COLOR: WHITE  
CONTACT: PHOS BRONZE

DO NOT SCALE DRAWING

SHEET SCALE: 3:1

F:\DWG\MISC\MKTG\S1SDX-XX-XXX-XX-XX-XX-LX-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:

1MM S1SD CABLE ASSEMBLY

DWG. NO.

S1SDX-XX-XXX-XX-XX-XX-LX

BY: VICKY Z

06/22/2013

SHEET 1 OF 3

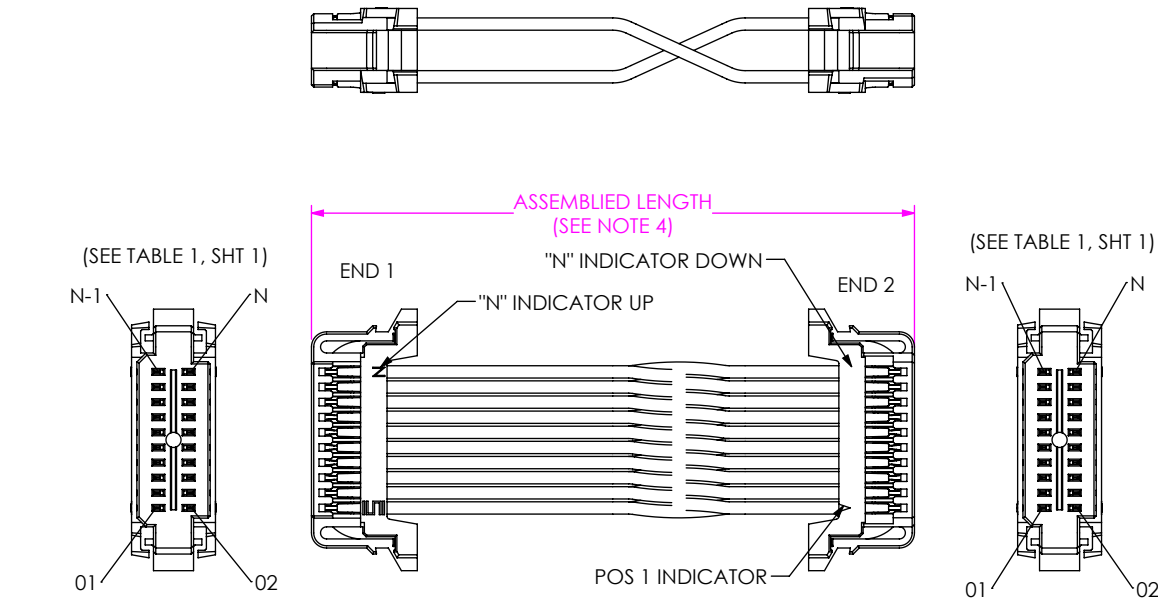


FIG 2  
S1SD-10-XXX-XX-XX.XX-L1 SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 2		
WIRE GAUGE	INSULATION	WIRE PART NUMBER
-28	PVC	DWC-28-10-300
	FEP	DWCT-28-01-TC
-30	PVC	DWC-30-10-300
	FEP	DWCT-30-01-TC

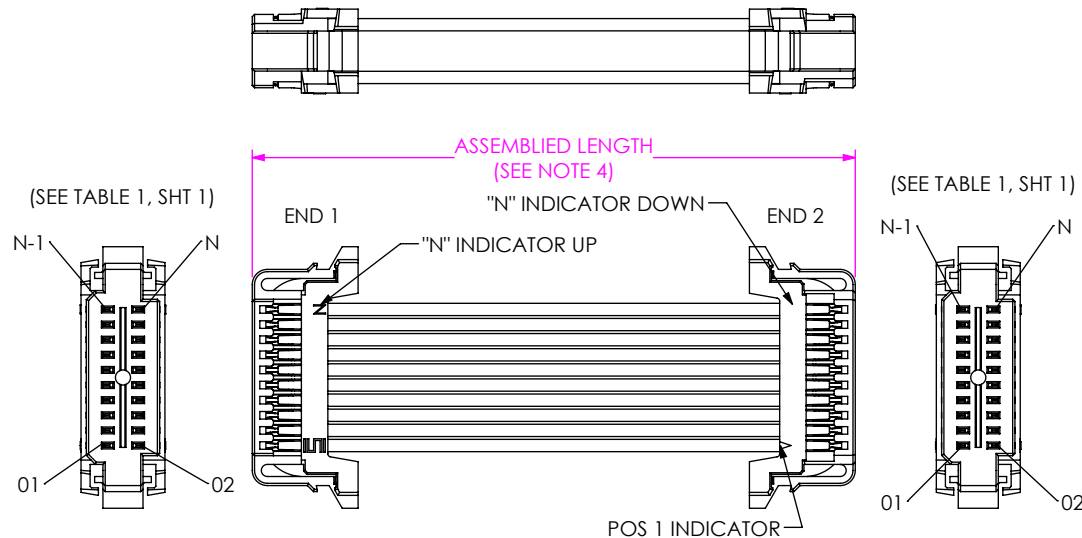


FIG 3  
S1SD-10-XXX-XX-XX.XX-L2 SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 4										
S1SD COLOR CODED WIRE SEQUENCE										
	COLOR									
	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK
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
28 AWG WIRE	DWC-28-01-300	DWC-28-02-300	DWC-28-03-300	DWC-28-04-300	DWC-28-05-300	DWC-28-13-300	DWC-28-07-300	DWC-28-08-300	DWC-28-09-300	DWC-28-10-300
30 AWG WIRE	DWC-30-01-300	DWC-30-02-300	DWC-30-03-300	DWC-30-04-300	DWC-30-05-300	DWC-30-13-300	DWC-30-07-300	DWC-30-08-300	DWC-30-09-300	DWC-30-10-300

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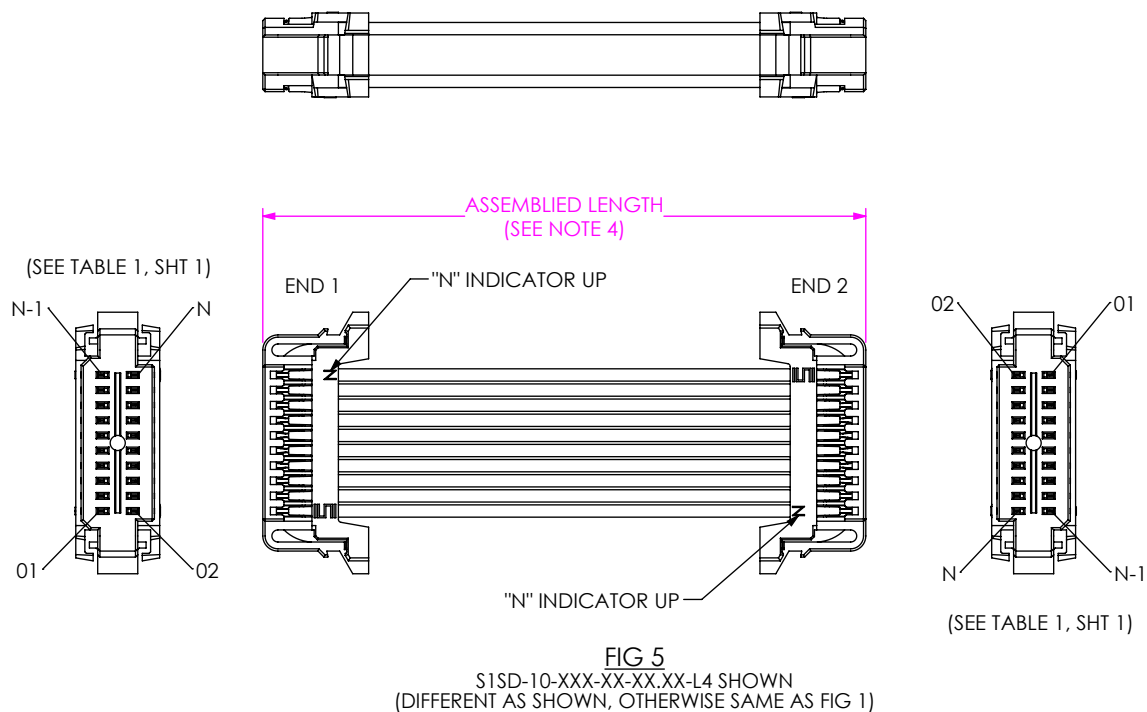
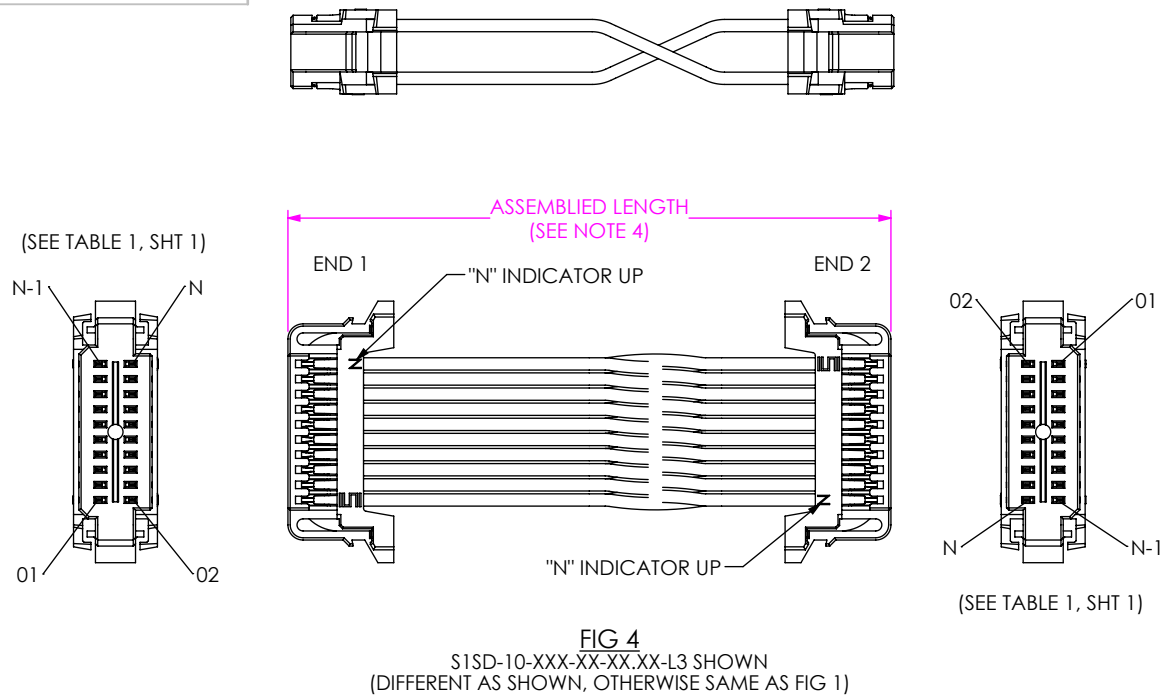
DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION: 1MM S1SD CABLE ASSEMBLY

DWG. NO. S1SDX-XX-XXX-XX-XX.XX-LX

BY: VICKY Z 06/22/2013 SHEET 2 OF 3



F:\DWG\MISC\MKTG\S1SDX-XX-XXX-XX-XX-LX-MKT.SLDDRW

CABLE CUT IN-PROCESS

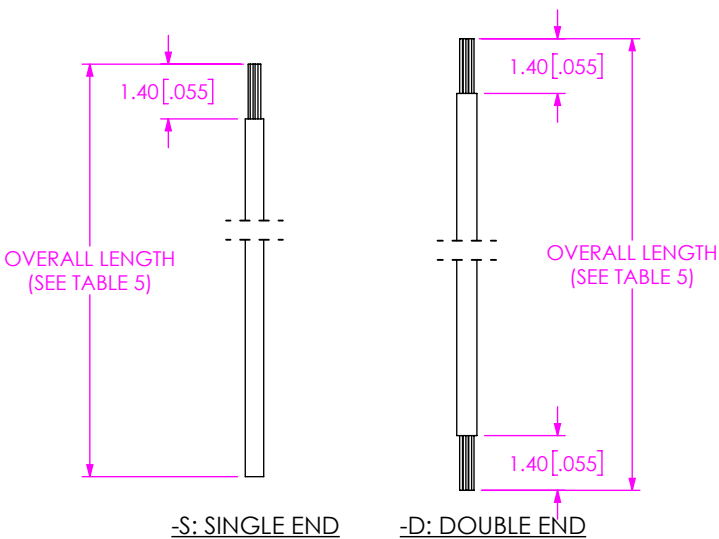


TABLE 5 ( OVERALL LENGTH SUBTRACTORS ) (SEE NOTE 10)	
	LENGTH
-S: SINGLE END	2.79 [.110]
-D: DOUBLE END	5.59 [.220]

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PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION: 1MM S1SD CABLE ASSEMBLY

DWG. NO. S1SDX-XX-XXX-XX-XX.XX-LX

BY: VICKY Z 06/22/2013 SHEET 3 OF 3

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