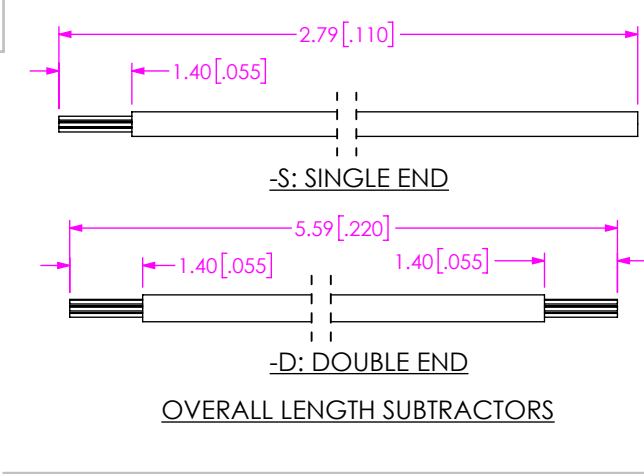


DO NOT SCALE FROM THIS PRINT



**S1SSX-XX-XXX-XX-XX.XX-X-XXX**

**FEP CABLE OPTION**  
 -T: FEP INSULATION  
 LEAVE BLANK FOR PVC (SEE NOTE 8)

**No OF POSITIONS**  
 -02, -03, -05, -07, -10, -15, -20  
 (PER ROW) AVAILABLE AS STANDARD  
 -02 THRU -20 AVAILABLE AS ASO

**WIRE GAUGE (AWG)**  
 -28, -30

**COLOR CODE**  
 -C: COLOR CODE WIRE (SEE TABLE 3, SHEET 2)  
 LEAVE BLANK FOR STANDARD WIRE (SEE TABLE 1)  
 NOT AVAILABLE WITH S1SST

**OPTION**  
**DOUBLE**  
 (MUST BE USED ON -D END OPTION ONLY & APPLIES TO END 2 HOUSING)  
 -NUS: NO LATCH, "N" UP, STRAIGHT  
 -NDS: NO LATCH, "N" DOWN, STRAIGHT

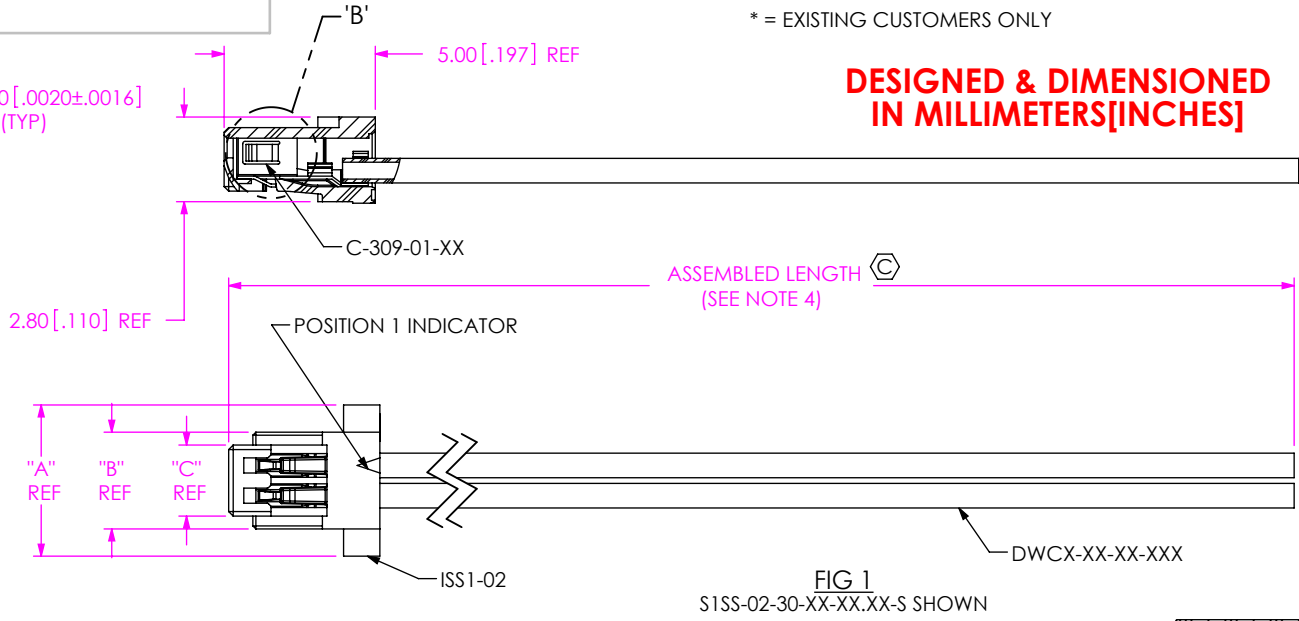
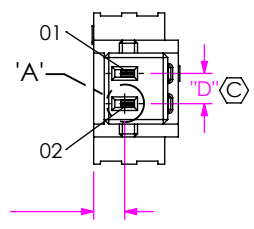
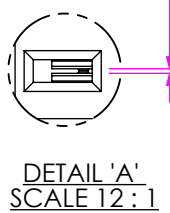
**END OPTION**  
 -S: SINGLE END  
 -D: DOUBLE END

**ASSEMBLED LENGTH (SPECIFY IN INCHES)**  
 01.80 IN MINIMUM

**PLATING SPECIFICATION**  
 \*-T: TIN PLATING  
 -GF: 3u" MIN Au/50u" Ni IN CONTACT AND TAIL

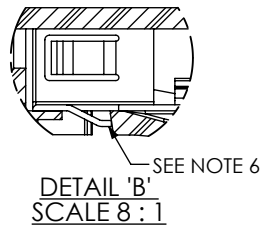
\* = EXISTING CUSTOMERS ONLY

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



**TABLE 1**

WIRE GAUGE	WIRE PART NUMBER
-28	DWC-28-10-300
-30	DWC-30-10-300
-28	DWCT-28-01-TC
-30	DWCT-30-01-TC



- NOTES:
- ① REPRESENTS A CRITICAL DIMENSION.
  - MINIMUM PUSHOUT FORCE: SIGNAL: 6.6N [1.5 LB]
  - PARTS TO BE PACKAGED IN BAG.
  - FOR ASSEMBLED LENGTHS LESS THAN 13.00 IN, TOLERANCE SHALL BE ± .125 [3.18], FOR OTHER LENGTHS, TOLERANCE SHALL BE ± 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.
  - 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.
  - SINGLE ENDED ASSEMBLIES USING THE FEP OPTION ARE FOR CRIMP APPLICATIONS ONLY.

**UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.**

TOLERANCES ARE:  
 DECIMALS ANGLES  
 X.X: ±0.3 [0.1] 2°  
 X.XX: ±0.13 [0.05]  
 X.XXX: ±0.051 [0.020]

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**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 6:1  
 INSULATOR: PPA UL 94-V0, COLOR: BLACK  
 CONTACT: PHOS BRONZE

F:\DWG\MISC\MKTG\S1SSX-XX-XXX-XX-XX-X-XXX-MKT.SLDDRW

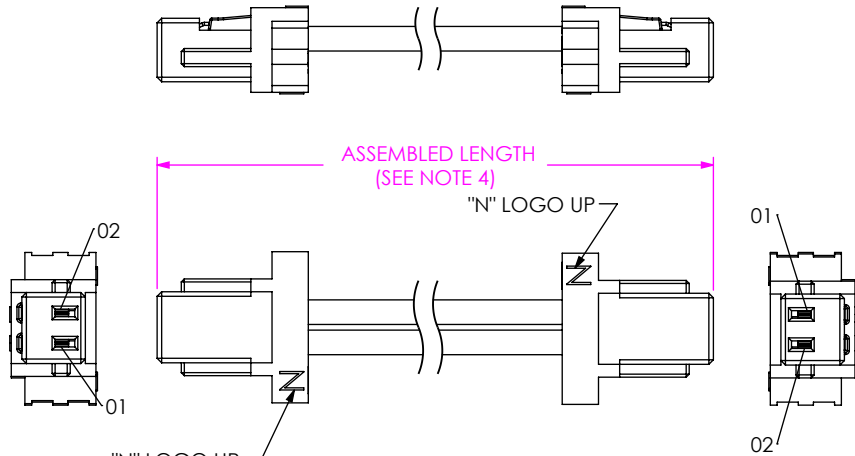
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520 PARK EAST BLVD, NEW ALBANY, IN 47150  
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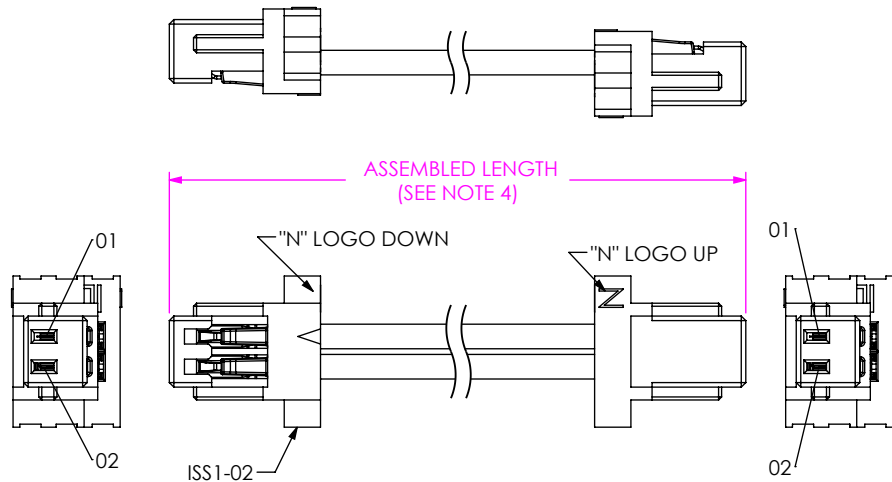
DESCRIPTION:  
 1MM CABLE ASSEMBLY

DWG. NO.  
**S1SSX-XX-XXX-XX-XX.XX-X-XXX**

BY: VICKY Z 04/13/2010 SHEET 1 OF 2



**FIG 2**  
S1SS-02-30-XX-XX.XX-D-NUS SHOWN  
(SAME AS FIG 1, EXCEPT AS SHOWN)



**FIG 3**  
S1SS-02-30-XX-XX.XX-D-NDS SHOWN  
(SAME AS FIG 1, EXCEPT AS SHOWN)

No. OF POS	"A"	"B"	"C"	"D"
-02	5.00 [0.197]	3.200 [0.1260]	2.350 [0.0925]	1.000 [0.0394]
-03	6.00 [0.236]	4.200 [0.1654]	3.350 [0.1319]	2.000 [0.0787]
-04	7.00 [0.276]	5.200 [0.2047]	4.350 [0.1713]	3.000 [0.1181]
-05	8.00 [0.315]	6.200 [0.2441]	5.350 [0.2106]	4.000 [0.1575]
-06	9.00 [0.354]	7.200 [0.2835]	6.350 [0.2500]	5.000 [0.1969]
-07	10.00 [0.394]	8.200 [0.3228]	7.350 [0.2894]	6.000 [0.2362]
-08	11.00 [0.433]	9.200 [0.3622]	8.350 [0.3287]	7.000 [0.2756]
-09	12.00 [0.472]	10.200 [0.4016]	9.350 [0.3681]	8.000 [0.3150]
-10	13.00 [0.512]	11.200 [0.4409]	10.350 [0.4075]	9.000 [0.3543]
-11	14.00 [0.551]	12.200 [0.4803]	11.350 [0.4469]	10.000 [0.3937]
-12	15.00 [0.591]	13.200 [0.5197]	12.350 [0.4862]	11.000 [0.4331]
-13	16.00 [0.630]	14.200 [0.5591]	13.350 [0.5256]	12.000 [0.4724]
-14	17.00 [0.669]	15.200 [0.5984]	14.350 [0.5650]	13.000 [0.5118]
-15	18.00 [0.709]	16.200 [0.6378]	15.350 [0.6043]	14.000 [0.5512]
-16	19.00 [0.748]	17.200 [0.6772]	16.350 [0.6437]	15.000 [0.5906]
-17	20.00 [0.787]	18.200 [0.7165]	17.350 [0.6831]	16.000 [0.6299]
-18	21.00 [0.827]	19.200 [0.7559]	18.350 [0.7224]	17.000 [0.6693]
-19	22.00 [0.866]	20.200 [0.7953]	19.350 [0.7618]	18.000 [0.7087]
-20	23.00 [0.906]	21.200 [0.8346]	20.350 [0.8012]	19.000 [0.7480]

S1SX COLOR CODED WIRE SEQUENCE										
PIN#	COLOR									
	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK
	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
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: 4:1



520 PARK EAST BLVD, NEW ALBANY, IN 47150  
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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
1MM CABLE ASSEMBLY

DWG. NO.  
**S1SSX-XX-XXX-XX-XX.XX-X-XXX**

BY: VICKY Z 04/13/2010 SHEET 2 OF 2

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