

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

No OF POSITIONS  
-02 THRU -20

WIRE GAUGE (AWG)  
-28, -30

COLOR CODE  
-C: COLOR CODE WIRE  
(SEE TABLE 2, SHT 2)  
LEAVE BLANK FOR STANDARD WIRE  
(SEE TABLE 1, SHT 2)  
NOT AVAILABLE FOR TEFLON OPTION,  
TEFLON CABLE ONLY AVAILABLE IN  
BLUE

PINOUT  
(LEAVE BLANK FOR SINGLE END ASSEMBLY)  
-1: LATCH DOWN, STRAIGHT  
(PIN 1 TO PIN 1, SEE FIG 2, SHT 2)  
-3: LATCH UP, STRAIGHT  
(PIN 1 TO PIN N, SEE FIG 3, SHT 2)

LATCH OPTION  
-L: PLASTIC LATCH

ASSEMBLED LENGTH  
(SPECIFY IN INCHES) 01.80 IN MINIMUM

PLATING SPECIFICATION  
\* -T: BRIGHT ACID TIN CONTACT AND TAIL  
-GF: 3μ" GOLD CONTACT AND TAIL

\* = EXISTING CUSTOMERS ONLY

DO NOT  
SCALE FROM  
THIS PRINT

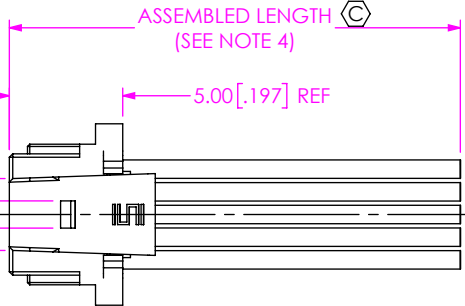
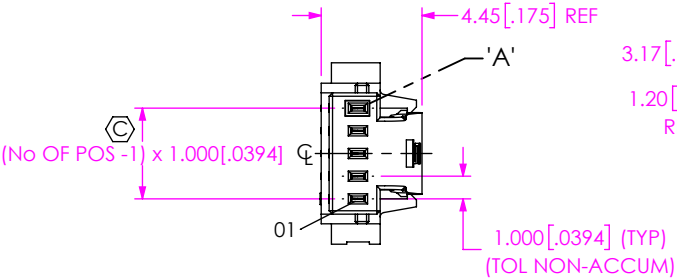
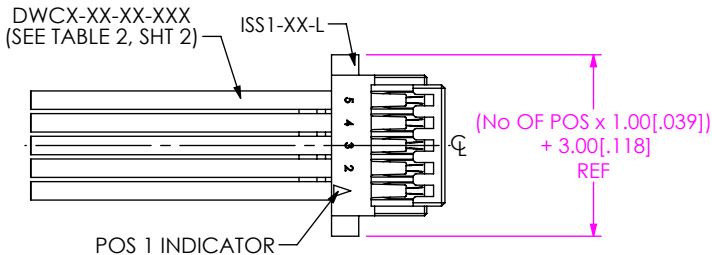
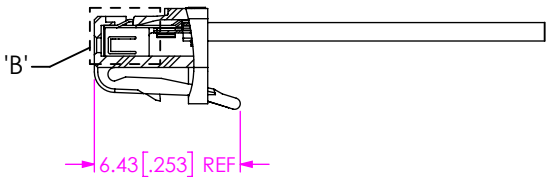
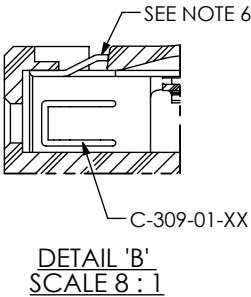
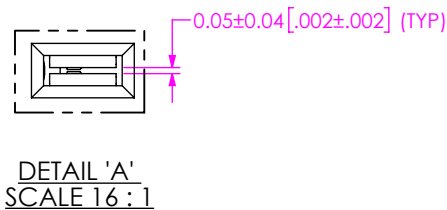



FIG 1  
S1SS-05-XXX-XX-XX.XX-L SHOWN

NOTES:

1. Ⓢ 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 13.00 IN, TOLERANCE SHALL BE ± 3.18[.125], 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.
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.

|   |  |   |  |   |  |
|---|--|---|--|---|--|
| UNLESS OTHERWISE SPECIFIED,<br>DIMENSIONS ARE IN MILLIMETERS. |  | * PROPRIETARY NOTE *  |  |                                    |  |
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| DECIMALS                      ANGLES                          |  |   |  |   |  |
| X.X: ±0.3 [.01]                      2 °                      |  |   |  |   |  |
| X.XX: ±0.13 [.005]  |  |   |  |   |  |
| X.XXX: ±0.051 [.0020]   |  |   |  |   |  |
| MATERIAL: DO NOT SCALE DRAWING                                |  | SHEET SCALE: 3:1  |  | DESCRIPTION:  |  |
| INSULATOR: NYLON, COLOR: LIGHT GREEN                          |  |   |  | 1MM CABLE ASSEMBLY  |  |
| CONTACT: PHOS BRONZE  |  |   |  | DWG. NO.  |  |
|   |  |   |  | S1SSX-XX-XXX-XX-XX.XX-LX  |  |
|   |  |   |  | BY: JESSIE W      8/22/2014      SHEET 1 OF 2   |  |

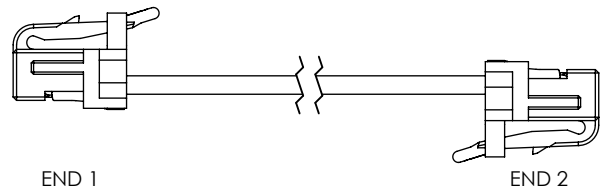


FIG 2  
S1SS-05-XXX-XX-XX.XX-L1 SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

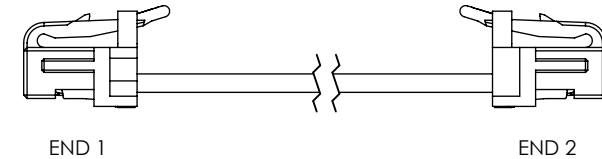


FIG 3  
S1SS-05-XXX-XX-XX.XX-L3 SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

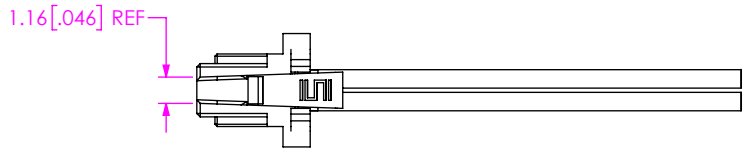


FIG 4  
S1SS-02-XXX-XX-XX.XX-L SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(FOR POSITIONS -02 THRU -04)

| TABLE 1    |            |                  |
|------------|------------|------------------|
| 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    |

| TABLE 2                        |               |               |               |               |               |               |               |               |               |               |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| S1SS COLOR CODED WIRE SEQUENCE |               |               |               |               |               |               |               |               |               |               |
| PIN #                          | COLOR         |               |               |               |               |               |               |               |               |               |
|                                | BROWN         | RED           | ORANGE        | YELLOW        | GREEN         | BLUE          | VIOLET        | GRAY          | WHITE         | BLACK         |
|                                | DWC-XX-01-300 | DWC-XX-02-300 | DWC-XX-03-300 | DWC-XX-04-300 | DWC-XX-05-300 | DWC-XX-13-300 | DWC-XX-07-300 | DWC-XX-08-300 | DWC-XX-09-300 | DWC-XX-10-300 |
| 1                              | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |               |
| 11                             | 12            | 13            | 14            | 15            | 16            | 17            | 18            | 19            | 20            |               |

| TABLE 3<br>( OVERALL LENGTH SUBTRACTORS) |             |
|--|-------------|
|  | LENGTH      |
| -S:<br>SINGLE END                        | .110 [2.79] |
| -D:<br>DOUBLE END                        | .220 [5.59] |

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DO NOT SCALE DRAWING

SHEET SCALE: 3:1



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 CABLE ASSEMBLY

DWG. NO.  
S1SSX-XX-XXX-XX-XX.XX-LX

BY: JESSIE W 8/22/2014 SHEET 2 OF 2

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