REVISION Q

DO NOT SCALE FROM THIS PRINT

2.79[.110]
1.40[.055]

-S: SINGLE END

5.59[.220]
1.40[.055]   1.40[.055]

-D: DOUBLE END

OVERALL LENGTH SUBTRACTORS
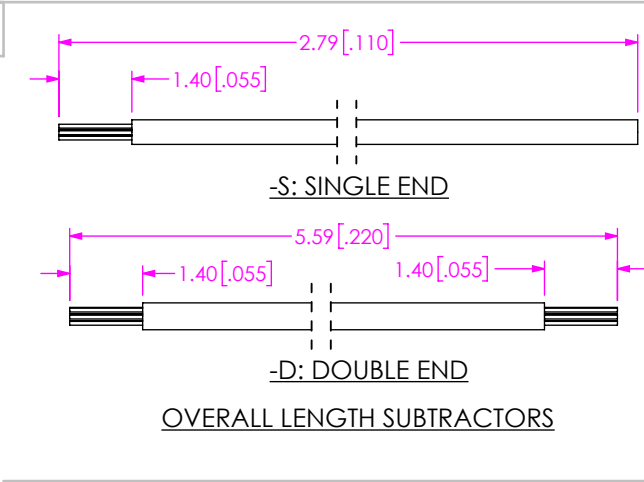
S1SSX-XX-XXX-XX-XX.XX-X-XXX

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 FOR TEFLON OPTION,
TEFLON CABLE ONLY AVAILABLE IN BLUE

OPTION

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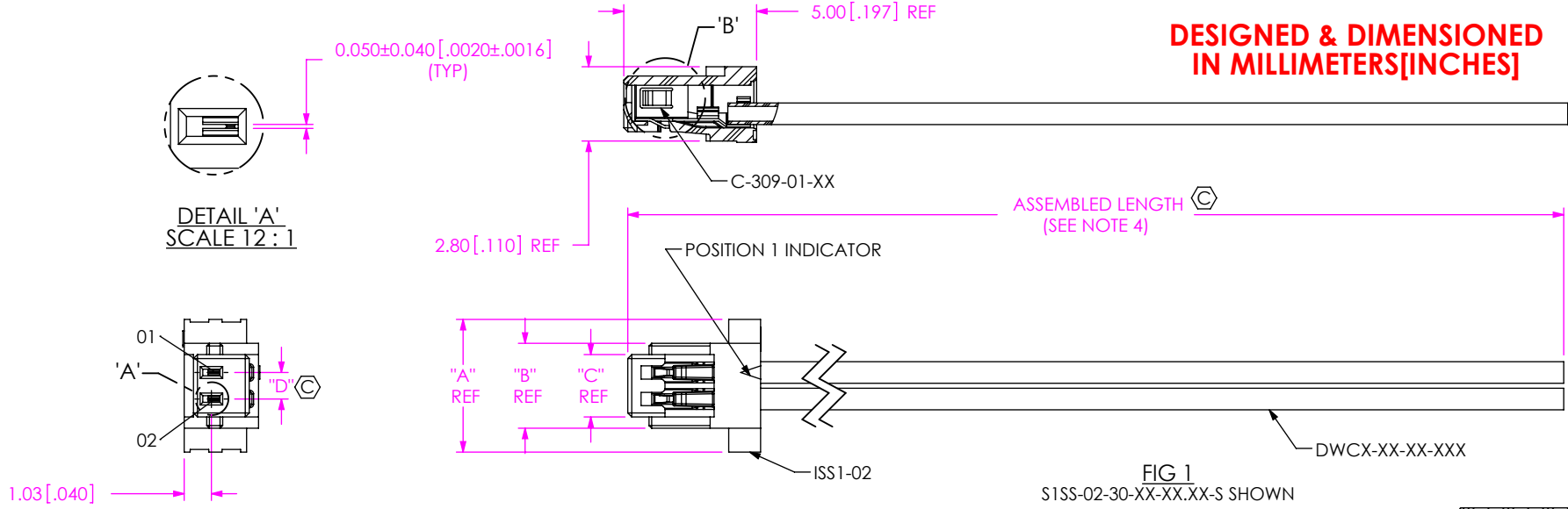-NUS: NO LATCH, "N" UP, STRAIGHT
-NDS: NO LATCH, "N" DOWN, STRAIGHT

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]

0.050±0.040[.0020±.0016] (TYP)

DETAIL 'A'
SCALE 12 : 1

01
'A'
02

1.03[.040]

"D" C

5.00[.197] REF
'B'

C-309-01-XX

2.80[.110] REF

ASSEMBLED LENGTH C
(SEE NOTE 4)

POSITION 1 INDICATOR

"A" REF   "B" REF   "C" REF

ISS1-02

FIG 1
S1SS-02-30-XX-XX.XX-S SHOWN

DWCX-XX-XX-XXX

SEE NOTE 6

DETAIL 'B'
SCALE 8 : 1

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. C REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: SIGNAL: 6.6N[1.5 LB]
3. PARTS TO BE PACKAGED IN BAG.
4. FOR ASSEMBLED LENGTHS LESS THAN 13.00 IN, TOLERANCE SHALL BE ± .125[3.18], FOR OTHER LENGTHS, TOLERANCE SHALL BE ± 2%.
C 5. REFER TO CRIMP SPECIFICATIONS FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING, AND ITS REQUIREMENTS.
C 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 EACH ASSEMBLY WITH (1) ET STAMP ON THE BODY.
8. 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 [.01]   2 °
X.XX: ±0.13 [.005]
X.XXX: ±0.051 [.0020]

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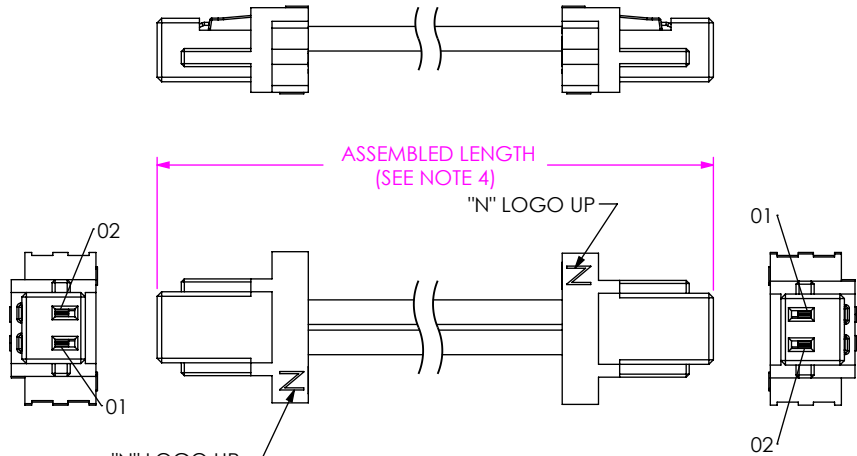CONTACT: PHOS BRONZE

SHEET SCALE: 6:1

SAMTEC
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733   FAX: 812-948-5047
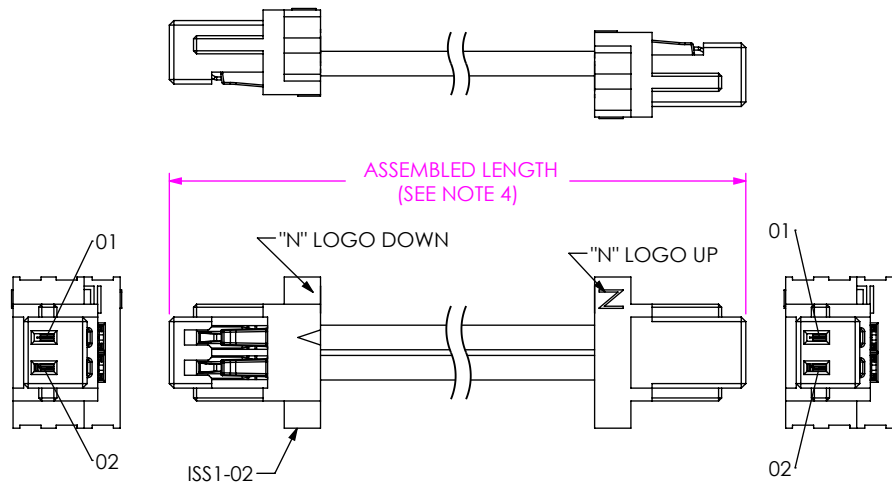e-Mail info@SAMTEC.com   code 55322

DESCRIPTION:
1MM CABLE ASSEMBLY

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

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

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

REVISION Q

ASSEMBLED LENGTH
(SEE NOTE 4)

"N" LOGO UP

02
01
"N" LOGO UP

01
02

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

ASSEMBLED LENGTH
(SEE NOTE 4)

"N" LOGO DOWN   "N" LOGO UP

01
02
ISS1-02

01
02

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

TABLE 2

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]

TABLE 3

S1SX 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
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

DO NOT SCALE DRAWING

SHEET SCALE: 4:1

SAMTEC

DESCRIPTION:
1MM CABLE ASSEMBLY

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

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

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