

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

TABLE 2

WIRE GAUGE	WIRE PART NUMBER
-24	DWC-24-XX-300
-26	DWC-26-XX-300

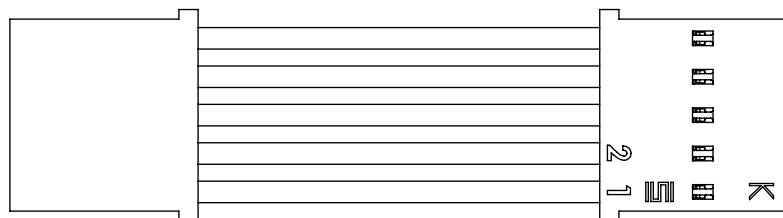
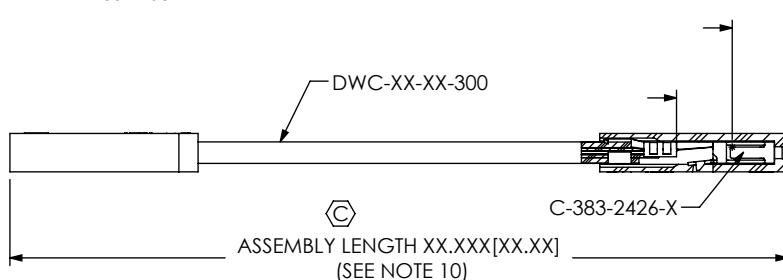
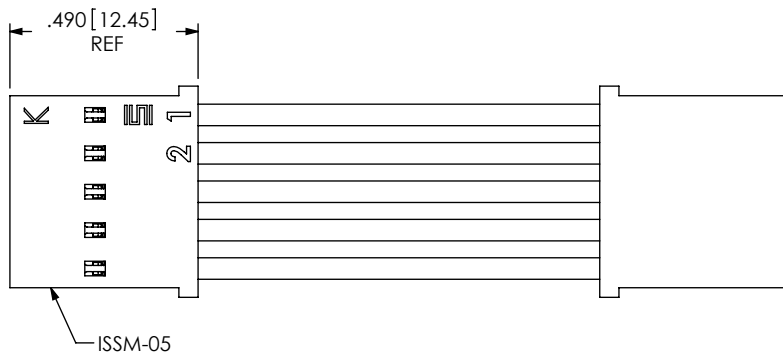


FIG 1

SMSS-05-XXX-X-XX.XX-D-KDS SHOWN
(SEE SHT 4, TABLE 4 FOR PIN MAPPING)

NOTES:

1. \odot REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: .003[0.08]
3. PARTS TO BE MOLDED TO POSITION.
4. MINIMUM PUSHOUT FORCE: .5 LBS[2.22 N]
5. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
6. ALL FINISHED GOODS ARE TO BE LAYER PACKAGED IN SHIPPING.
7. ALL PARTS TO PASS ELECTRICAL TEST UPON ASSEMBLY (INCLUDING HI-POT TEST AT 1000 VOLTS DC). AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 ET STAMP ON THE BODY.
8. APPLICATIONS INVOLVING SEVERE BENDING REQUIRE 6" MINIMUM CABLE LENGTH.
9. REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOLERANCES, TOOLING, AND ITS REQUIREMENTS.
10. FOR ASSEMBLY LENGTHS LESS THAN 12.00 IN, TOLERANCE SHALL BE $\pm .125$ [3.18]. FOR OTHER LENGTHS, TOLERANCES SHALL BE $\pm 2\%$.
11. CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.

SMSX-XX-XXX-X-XX.XX-X-X-XXX

ROW SPECIFICATION

-S: SINGLE ROW
-D: DOUBLE ROW

No OF POSITIONS

-02, -05, -10, -15, -20
(PER ROW) AVAILABLE AS STANDARD
-02 THRU -40 AVAILABLE AS ASO

WIRE GAUGE (AWG)

-24, -26

COLOR CODE

LEAVE BLANK FOR STANDARD WIRE
(SEE TABLE 2)C: COLOR CODED WIRE
(SEE TABLE 3, SHT 4)

PLATING SPECIFICATION

-L: 10 μ " Au IN THE CONTACT AREA,
-F: 3 μ " Au IN THE CONTACT AREA,

(* = 10 POSITION MAXIMUM, -.05.00 INCH MINIMUM)

OPTION

(MUST BE USED ON -D END OPTION
ONLY & APPLIES TO END 2 HOUSING)
-KUS: KEY OR "K", UP, STRAIGHT
-KDS: KEY OR "K", DOWN, STRAIGHT
*-KUX: KEY OR "K", UP, CROSSED
-KDX: KEY OR "K", DOWN, CROSSED

OPTION

-K: KEY POLARIZATION
(USE ISXM-XX-K)
(LEAVE BLANK FOR NO POLARIZATION;
05 POS THRU 40 POS ONLY)

END OPTION

-S: SINGLE END
-D: DOUBLE END

ASSEMBLY LENGTH

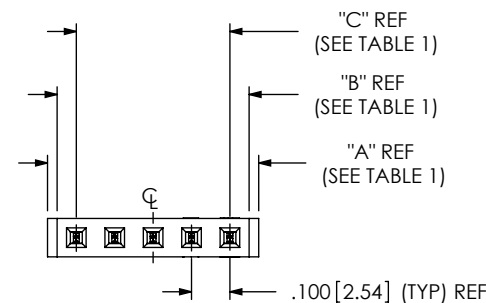
-.03.00 IN MINIMUM
(SPECIFY IN INCHES)

TABLE 1						
No. OF POS	-S: SINGLE ROW	-D: DOUBLE ROW		"A"	"B"	"C"
	N	N	N-1			
-02	02	04	03	.250 [6.35]	.200 [5.08]	.1000 [2.540]
-05	05	10	09	.550 [13.97]	.500 [12.70]	.4000 [10.160]
-10	10	20	19	1.050 [26.67]	1.000 [25.40]	.9000 [22.860]
-15	15	30	29	1.550 [39.37]	1.500 [38.10]	1.4000 [35.560]
-20	20	40	39	2.050 [52.07]	2.000 [50.80]	1.9000 [48.260]

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES
X.X: $\pm .01$ [0.3] 2°
X.XX: $\pm .005$ [0.13]
X.XXX: $\pm .0020$ [0.051]

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WRITTEN CONSENT OF SAMTEC, INC.MATERIAL: DO NOT SCALE DRAWING
INSULATOR: PBT, COLOR: WHITE
CONTACT: PHOS BRONZE

SHEET SCALE: 2:1

samtec520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322DESCRIPTION:
.100[2.54] SOCKET DISCRETE CABLE ASSEMBLYDWG. NO.
SMSX-XX-XXX-X-XX.XX-X-X-XXX

BY: VICKY Z 09/01/2011 SHEET 1 OF 6

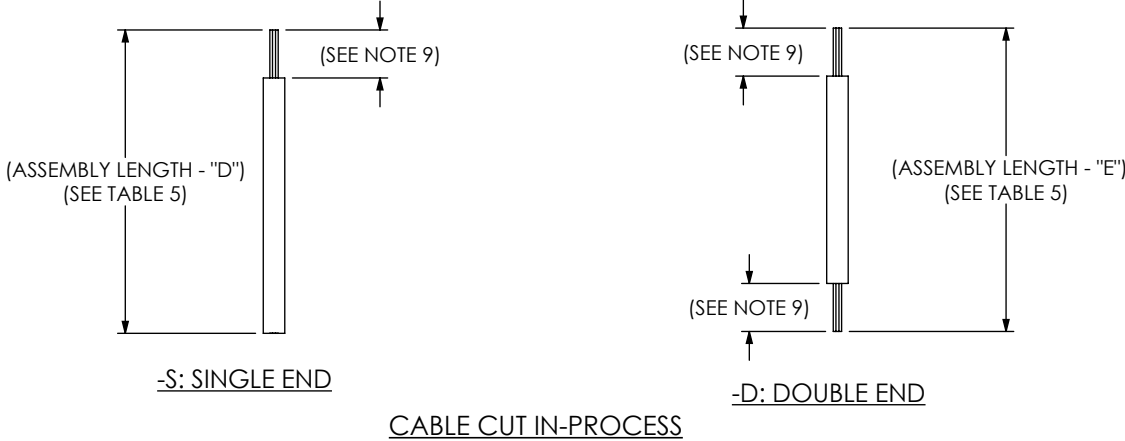


TABLE 5: OVERALL LENGTH SUBTRACTORS (SEE NOTE 11)		
SERIES	"D"	"E"
SMSX	0.250	0.500

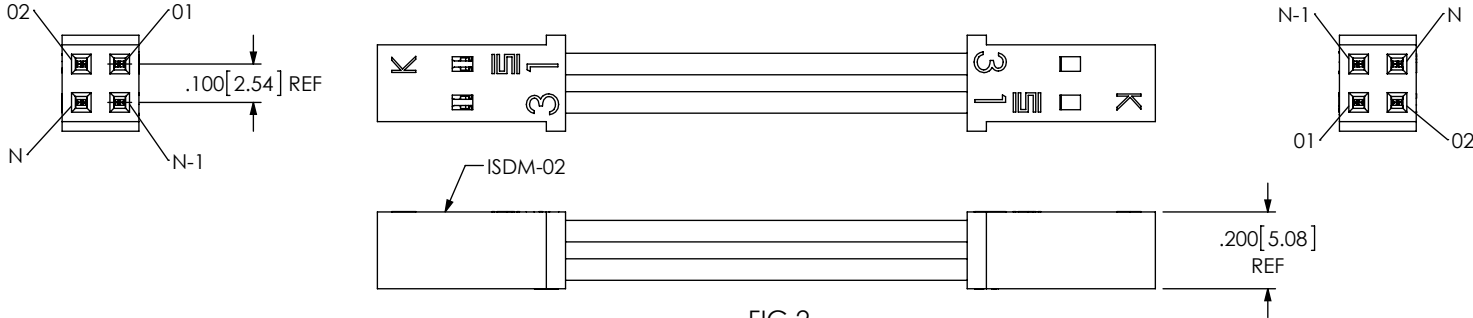


FIG 2
SMSD-02-XXX-X-XX.XX-D-KUS SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SEE SHT 4, TABLE 4 FOR PIN MAPPING)

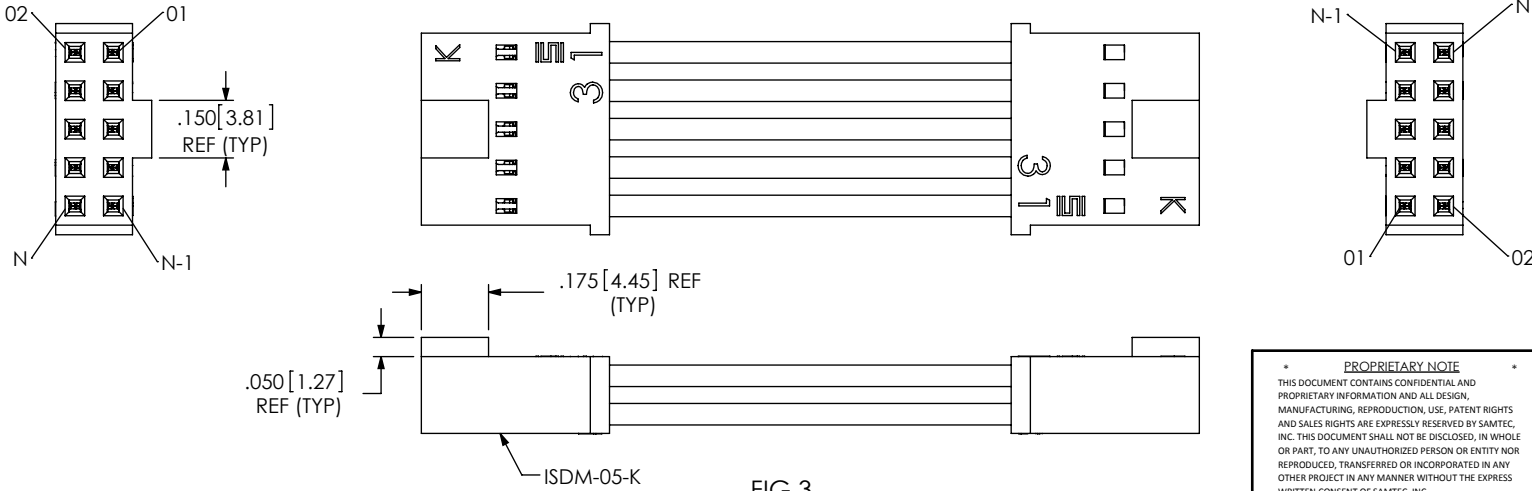


FIG 3
SMSD-05-XXX-X-XX.XX-D-K-KUS SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
(SEE SHT 4, TABLE 4 FOR PIN MAPPING)

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

DESCRIPTION:
.100[2.54] SOCKET DISCRETE CABLE ASSEMBLY

DWG. NO.
SMSX-XX-XXX-X-XX.XX-X-X-XXX

BY: VICKY Z 09/01/2011 SHEET 2 OF 6

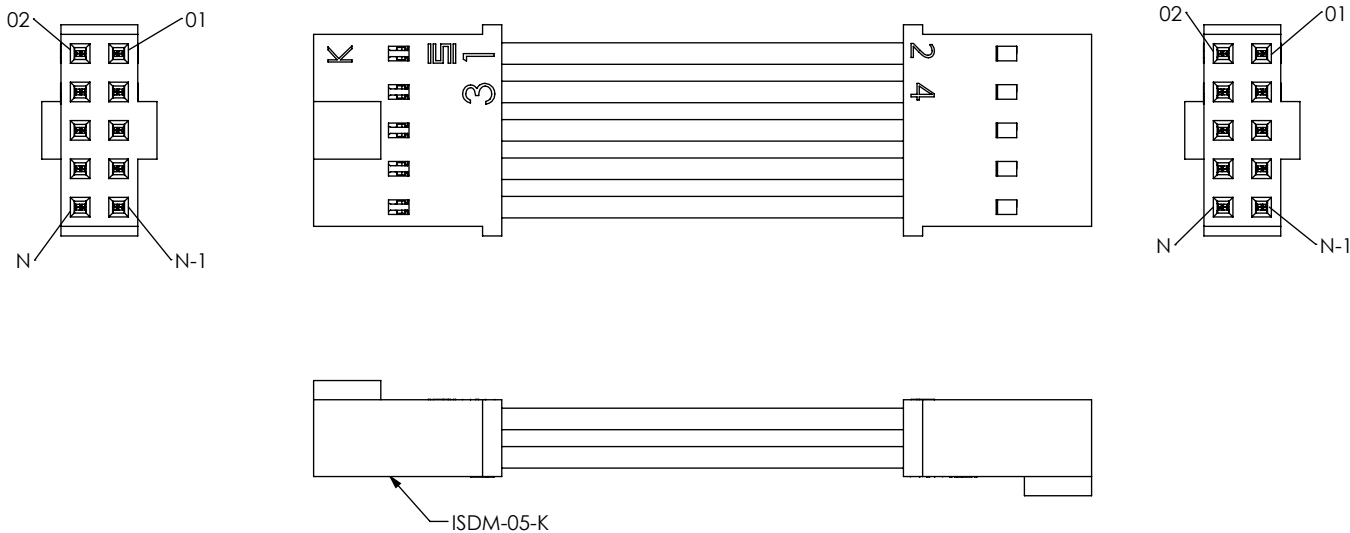


FIG 4
SMSD-05-XXX-X-XX.XX-D-K-KDS SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)
(SEE SHT 4, TABLE 4 FOR PIN MAPPING)

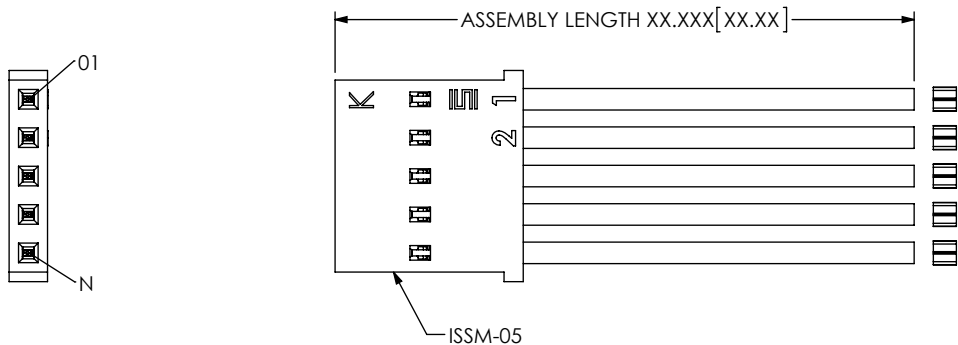


FIG 5
SMSS-05-XXX-X-XX.XX-S SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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SMSX-XX-XXX-X-XX.XX-X-X-XXX
BY: VICKY Z 09/01/2011 SHEET 3 OF 6

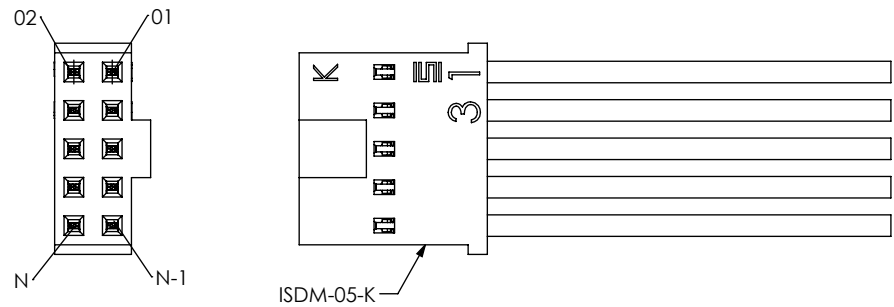


FIG 6
SMSD-05-XXX-X-XX.XX-S-K SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

TABLE 3										
SMSX COLOR CODED WIRE SEQUENCE										
	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
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
	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

TABLE 4			
PIN MAPPING			
ROW OPTION	END OPTION	END 1	END 2
SINGLE	-KUS	01	N
	-KDS	01	01
	-KUX	01	01
DOUBLE	-KDX	01	N
	-KUS	01	N-1
	-KDS	01	02
	-KUX	01	01
	-KDX	01	01

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SMSX-XX-XXX-X-XX.XX-X-X-XXX

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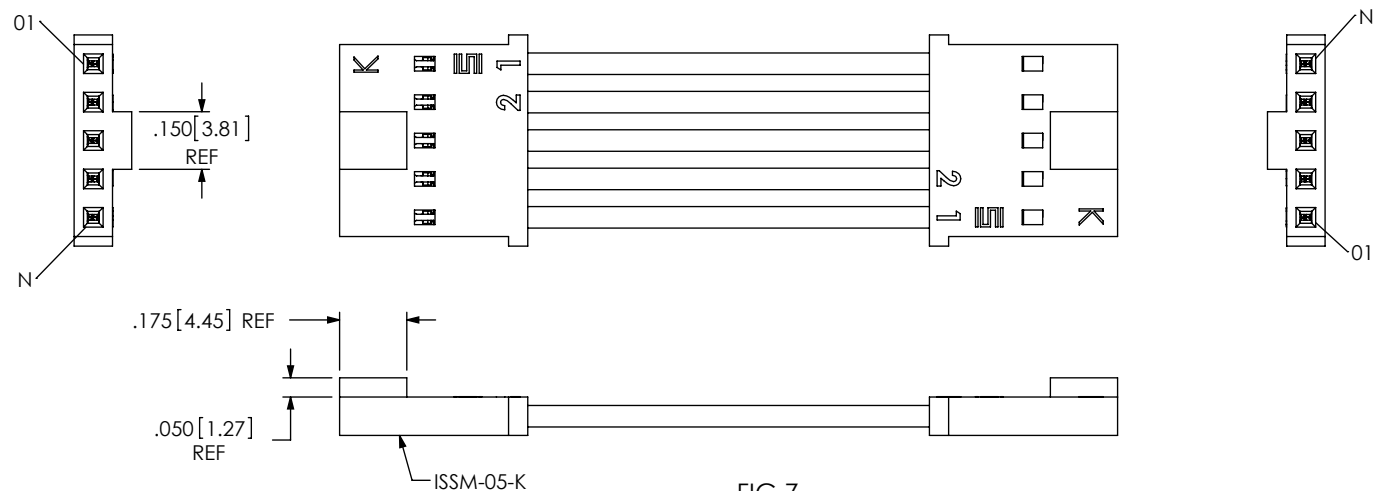


FIG 7
SMSS-05-XXX-X-XX.XX-D-K-KUS SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SEE SHT 4, TABLE 4 FOR PIN MAPPING)

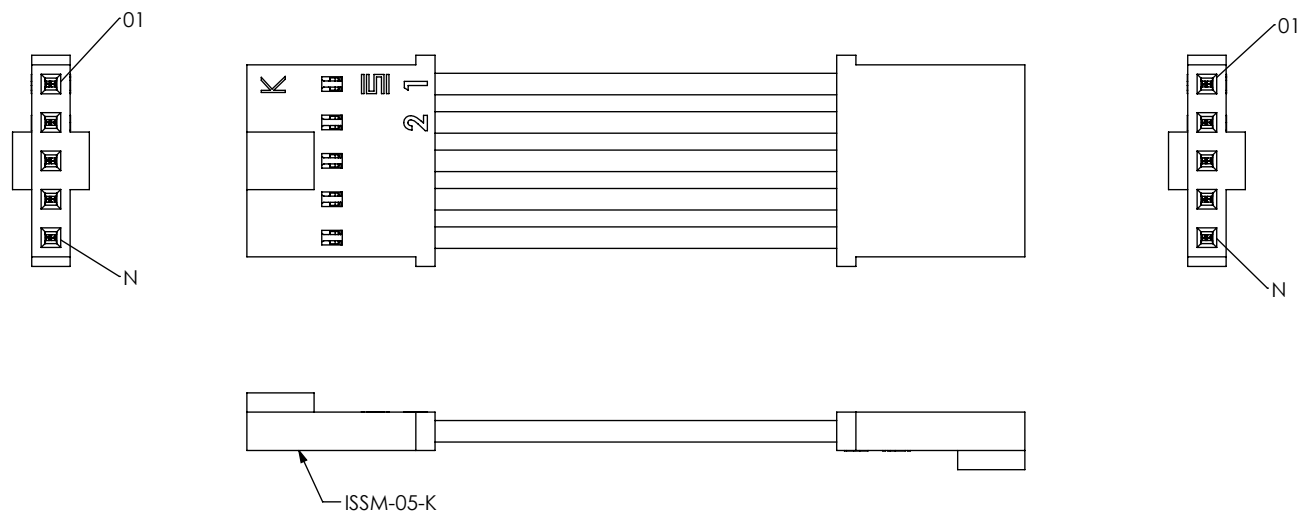



FIG 8
SMSS-05-XXX-X-XX.XX-D-K-KDS SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 7)
(SEE SHT 4, TABLE 4 FOR PIN MAPPING)

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	BY: VICKY Z	09/01/2011

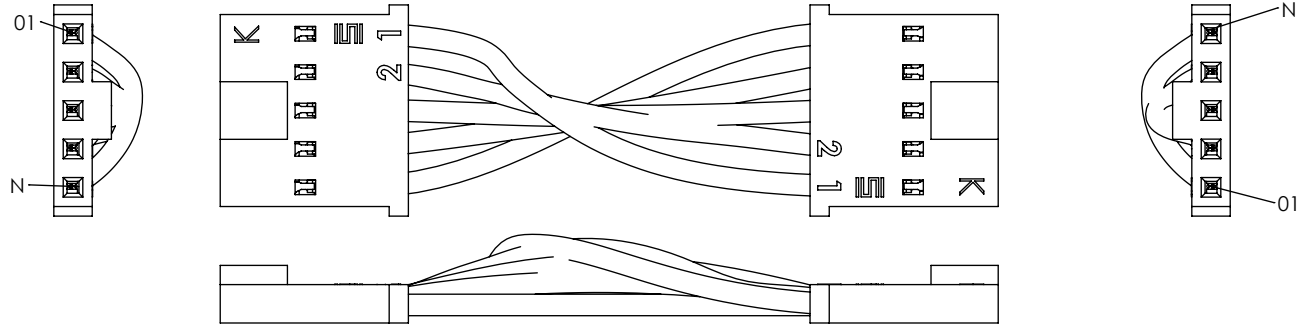


FIG 9
SMSS-05-XXX-X-XX.XX-D-K-KUX SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 7)
(SEE SHT 4, TABLE 4 FOR PIN MAPPING)

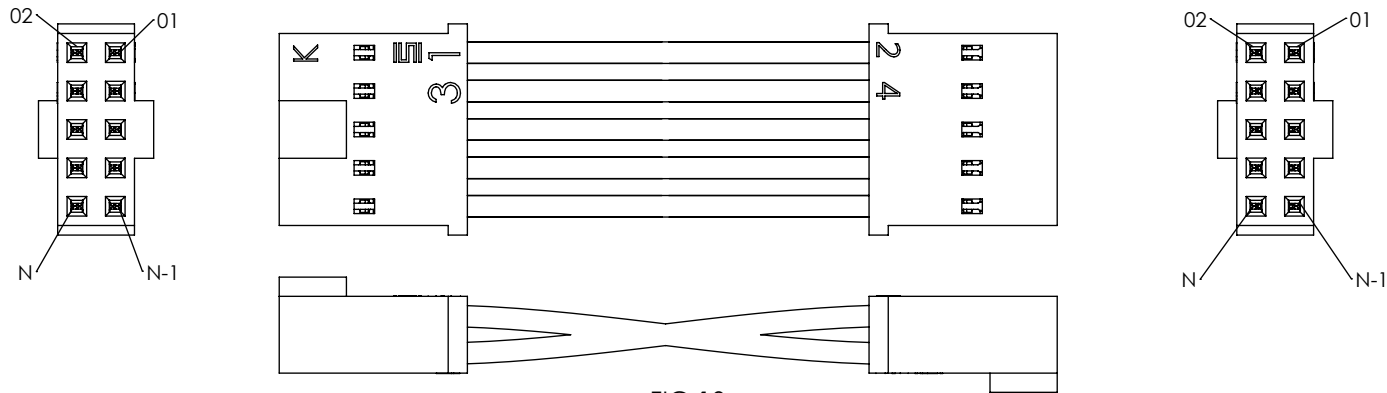


FIG 10
SMSD-05-XXX-X-XX.XX-D-K-KDX SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 4)
(SEE SHT 4, TABLE 4 FOR PIN MAPPING)

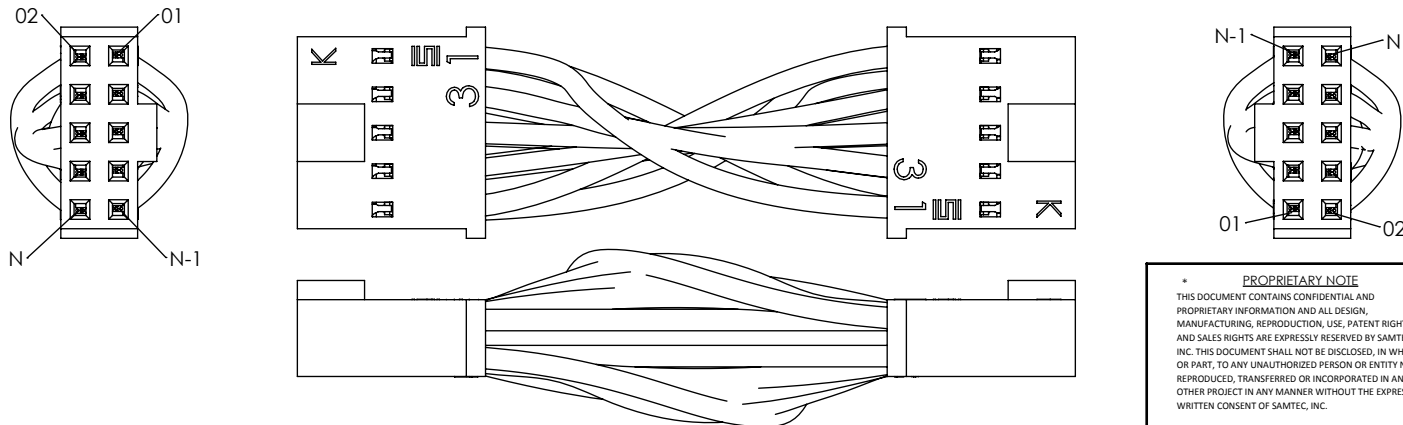


FIG 11
SMSD-05-XXX-X-XX.XX-D-K-KUX SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)
(SEE SHT 4, TABLE 4 FOR PIN MAPPING)

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DWG. NO.
SMSX-XX-XXX-X-XX.XX-X-X-XXX
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[SMSS-05-24-L-24.00-D-KDS](#) [SMSS-20-24C-L-18.00-D-KUS](#) [SMSS-10-24C-F-29.00-S-K](#) [SMSS-02-26-L-10.00-D-KUS](#)
[SMSS-06-24-F-16.00-D-KUS](#) [SMSS-03-24-F-08.00-S](#) [SMSS-10-24C-F-18.00-D-KDX](#) [SMSS-02-24C-L-17.50-D-KDS](#)
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[24.00-S](#) [SMSS-02-24C-L-10.00-D-KUS](#) [SMSS-08-24-F-12.00-S](#) [SMSS-15-26C-L-36.00-S-K](#) [SMSS-10-24C-L-30.00-S](#)
[SMSS-04-24-F-08.00-S](#) [SMSS-10-24C-F-12.00-D-K-KDS](#) [SMSS-10-24-F-18.00-S](#)