

DOUBLE ROW

No OF POSITIONS
(PER ROW)

-05

-10

-15

-20

WIRE GAUGE

-32: FEP

(SEE NOTE 9)

PLATING SPECIFICATION

-G: 10 μ " GOLD IN CONTACT AREA,
3 μ " GOLD ON TAILASSEMBLED LENGTH
SPECIFY IN INCHES
(03.0 INCH MINIMUM)

PINOUT

(LEAVE BLANK FOR SINGLE END ASSEMBLY)

-1: KEY DOWN, CROSSED

(PIN 01 TO 01, SEE FIG 3, SHT 2)

-2: KEY DOWN, STRAIGHT

(PIN 01 TO 02, SEE FIG 4, SHT 2)

-3: KEY UP, STRAIGHT

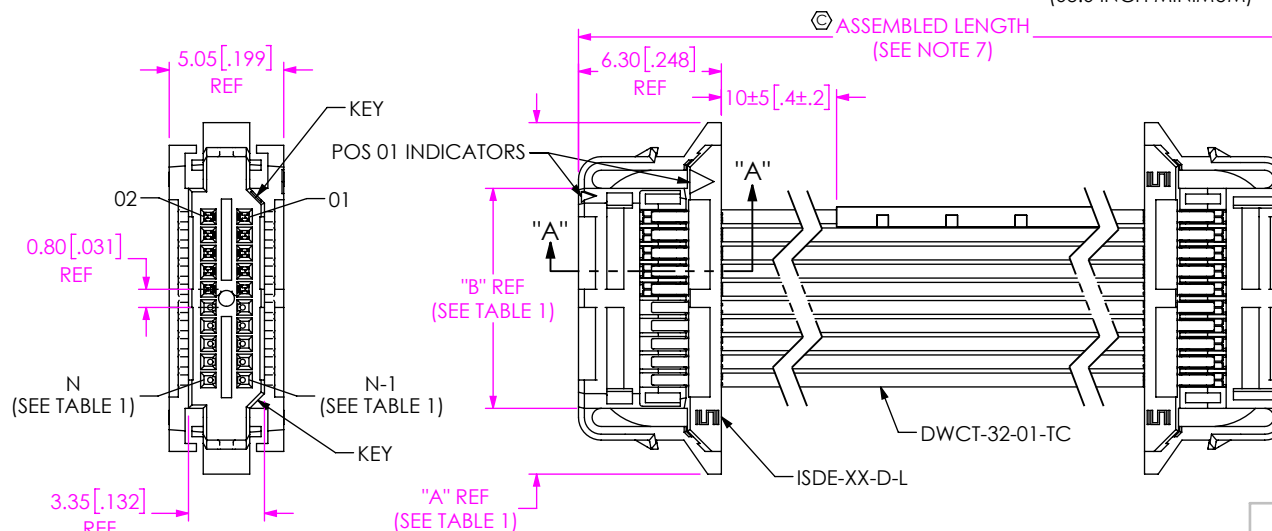
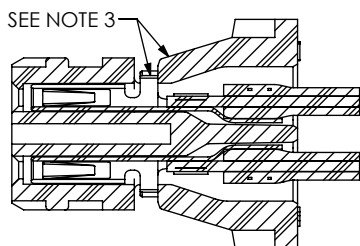
(PIN 01 TO N-1, SEE FIG 5, SHT 3)

-4: KEY UP, CROSSED

(PIN 01 TO N, SEE FIG 6, SHT 3)

LATCH OPTION

-L: PLASTIC LATCH

FIG 1
SESDT-10-32-X-XX.X-L2 SHOWNSECTION "A"-"A"
SCALE 6 : 1

NOTES:

1. $\odot$ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PULLOUT FORCE 4.45N [1.0 LBS].
3. CONTACTS MUST BE INSERTED UNTIL RETENTION FEATURES LOCK INTO PLACE.
4. ALL FINISHED GOODS ARE TO BE ELECTRICALLY TESTED INCLUDING HI-POT TEST AT 500 VOLTS DC. AFTER FINAL ELECTRICAL TEST, LABEL WITH (1) ET STAMP ON THE BODY.
5. TINNED COPPER WIRE IS RoHS COMPLIANT.
6. PARTS TO BE LAYERED PACKAGED.
7. FOR LENGTHS OF 305[12.0] AND LESS, TOLERANCE TO BE ± 3.18 [0.125], FOR LENGTHS GREATER THAN 305[12.0], TOLERANCE TO BE $\pm 2\%$.
8. REFER TO CRIMP SPECIFICATIONS PRINT FOR STRIP AND CRIMP DIMENSIONS, TOLERANCES, TOOLING, AND ITS REQUIREMENTS.
9. ASSEMBLIES USING THE FEP CABLE ARE FOR CRIMP APPLICATIONS ONLY.
10. CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.

TABLE 1

No OF POSITIONS	N	N-1	"A"	"B"
-05	10	09	11.50 [0.453]	5.70 [0.224]
-10	20	19	15.50 [0.610]	9.70 [0.382]
-15	30	29	19.50 [0.768]	13.70 [0.539]
-20	40	39	23.50 [0.925]	17.70 [0.697]

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE:

DECIMALS ANGLES

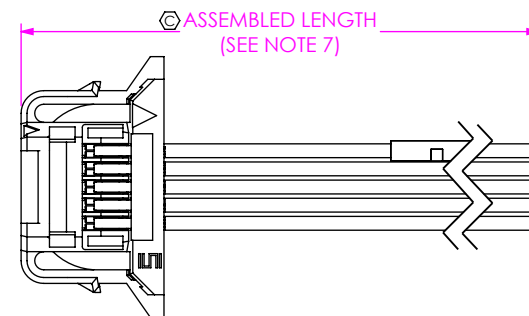
X.X: ± 0.3 [0.1]X.XX: ± 0.13 [0.005]X.XXX: ± 0.051 [0.0020]

PROPRIETARY NOTE

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MATERIAL: DO NOT SCALE DRAWING
INSULATOR: NYLON UL94V-0, COLOR: WHITE
CONTACT: BeCu
WIRE INSULATION: FEP
WIRE: TINNED COPPER

SHEET SCALE: 3:1

FIG 2
SESDT-05-32-X-XX.X-L SHOWN
(BUILD DOUBLE ENDED INITIALLY FOR E-TEST)

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:
0.80 mm SOCKET DISCRETE WIRE ASSEMBLY

DWG. NO.
SESDT-XX-XX-X-XX.X-LX

BY: J. BORGELT 7/18/2013 SHEET 1 OF 4

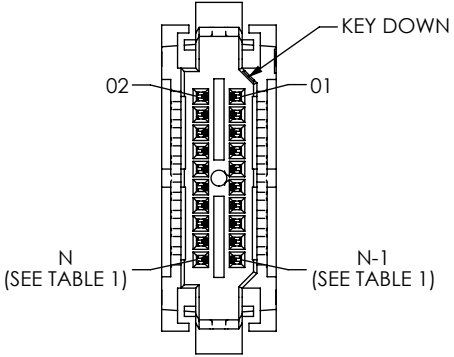
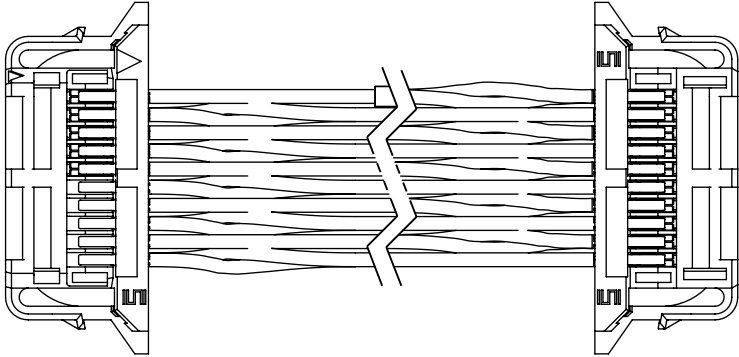
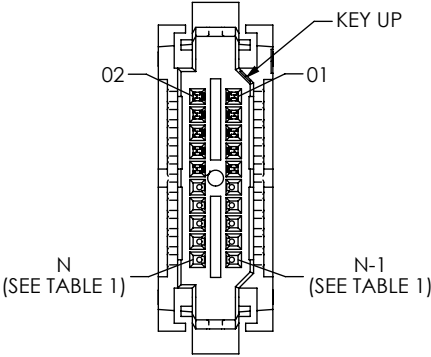


FIG 3
SESDT-10-32-X-XX.X-L1 SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(PIN 01 TO 01)

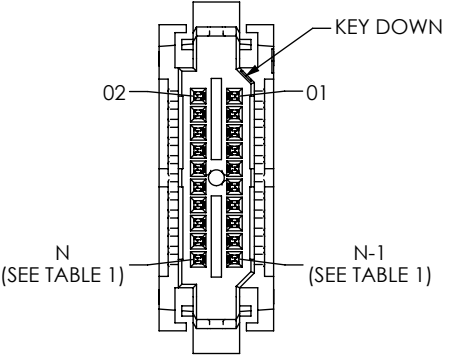
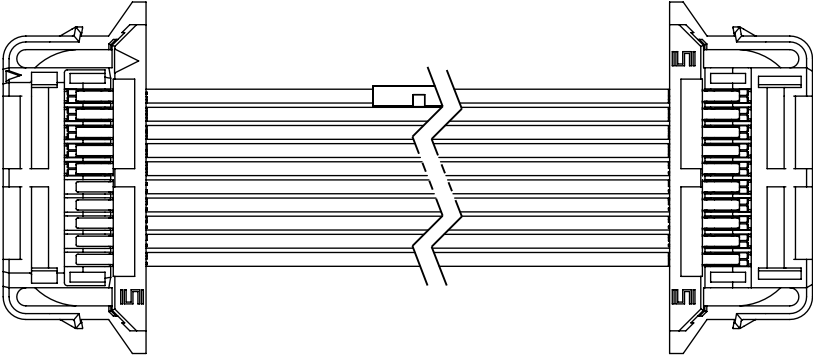
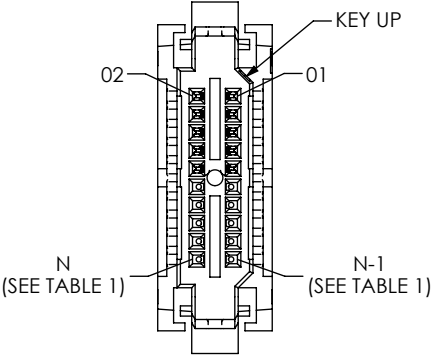


FIG 4
SESDT-10-32-X-XX.X-L2 SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(PIN 01 TO 02)

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DO NOT SCALE DRAWING SHEET SCALE: 3:1		
DESCRIPTION: 0.80 mm SOCKET DISCRETE WIRE ASSEMBLY DWG. NO. SESDT-XX-XX-X-XX.X-LX BY: J. BORGELT 7/18/2013		SHEET 2 OF 4

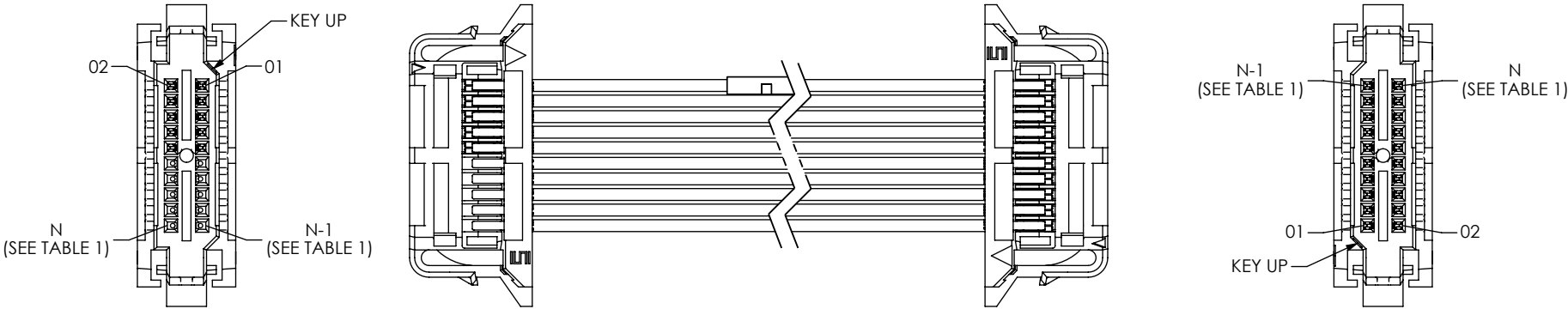


FIG 5
SESDT-10-32-X-XX.X-L3 SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(PIN 01 TO N-1)

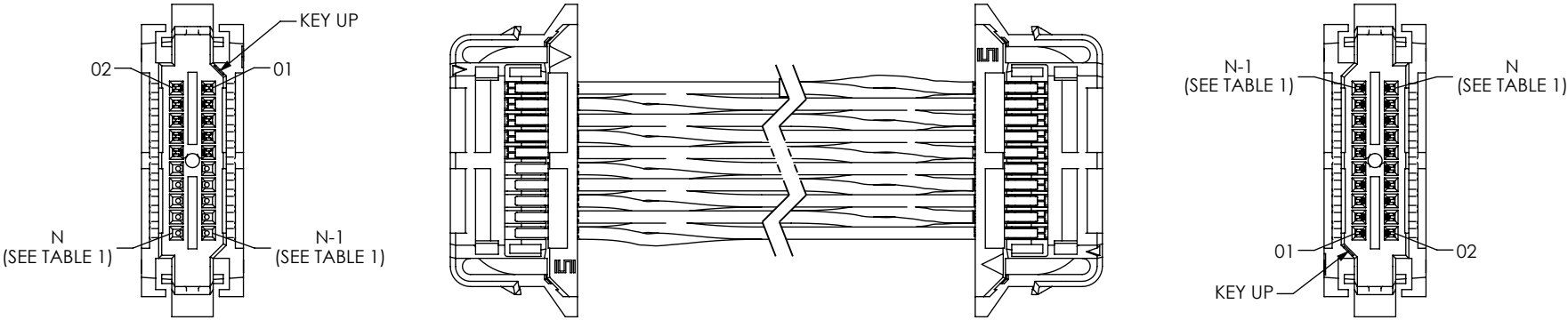
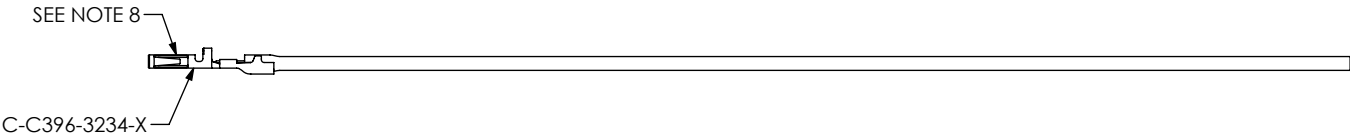


FIG 6
SESDT-10-32-X-XX.X-L4 SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(PIN 01 TO N)

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DO NOT SCALE DRAWING	DESCRIPTION: 0.80 mm SOCKET DISCRETE WIRE ASSEMBLY
SHEET SCALE: 3:1	DWG. NO. SESDT-XX-XX-X-XX.X-LX
	BY: J. BORGELT 7/18/2013 SHEET 3 OF 4

TABLE 2: OVERALL LENGTH SUBTRACTORS (SEE NOTE 10)		
SERIES	"C"	"D"
SESDT	0.130	0.259



IN-PROCESS 1
CRIMP CONTACT

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	DESCRIPTION: 0.80 mm SOCKET DISCRETE WIRE ASSEMBLY	
	DWG. NO. SESDT-XX-XX-X-XX.X-LX	
	DO NOT SCALE DRAWING	BY: J. BORGELT 7/18/2013

SHEET SCALE: 3:1