

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 TAIL

ASSEMBLED LENGTH
SPECIFY IN INCHES
(03.0 INCH MINIMUM)

PINOUT

(LEAVE BLANK FOR SINGLE END ASSEMBLY)

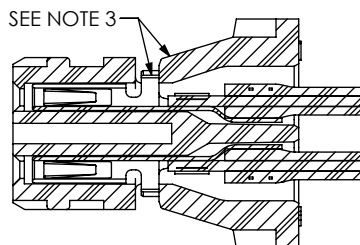
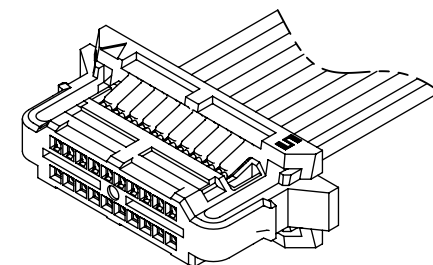
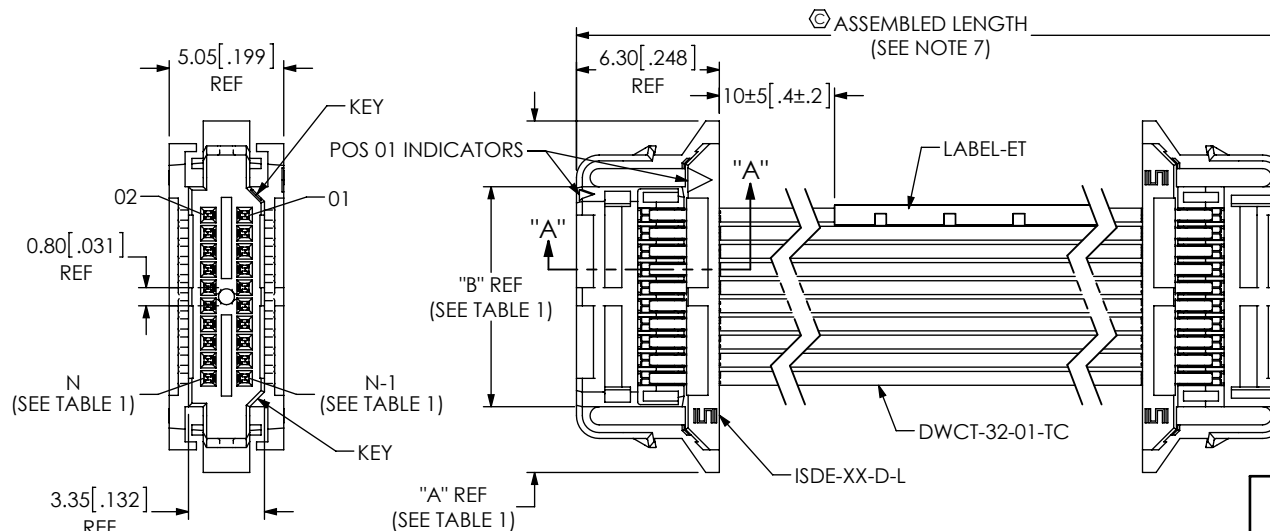
- 1: KEY DOWN, CROSSED
(PIN 01 TO 01, SEE FIG 3, SHT 2)
- 2: KEY DOWN, STRAIGHT
(PIN 01 TO 02, SEE FIG 4, SHT 2)
- 3: KEY UP, STRAIGHT
(PIN 01 TO N-1, SEE FIG 5, SHT 3)
- 4: KEY UP, CROSSED
(PIN 01 TO N, SEE FIG 6, SHT 3)

LATCH OPTION

-L: PLASTIC LATCH

PATENT PENDING

DO NOT
SCALE FROM
THIS PRINT



SECTION "A"-"A"
SCALE 6 : 1

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PULLOUT FORCE: X.XN [X.X 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 EACH ASSEMBLY WITH (1) LABEL-ET.
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 [.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.

FIG 1
SESDT-10-32-X-XX.X-L2 SHOWN

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]

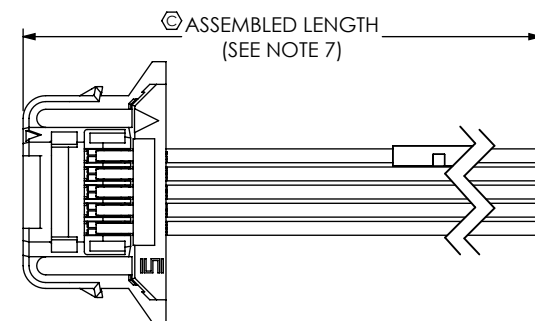


FIG 2
SESDT-05-32-X-XX.X-L SHOWN
(BUILD DOUBLE ENDED INITIALLY FOR E-TEST)

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]

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

SHEET SCALE: 3:1

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 53322

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

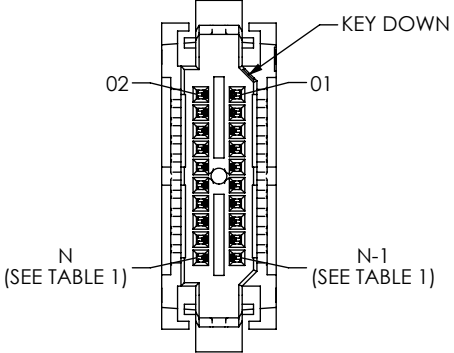
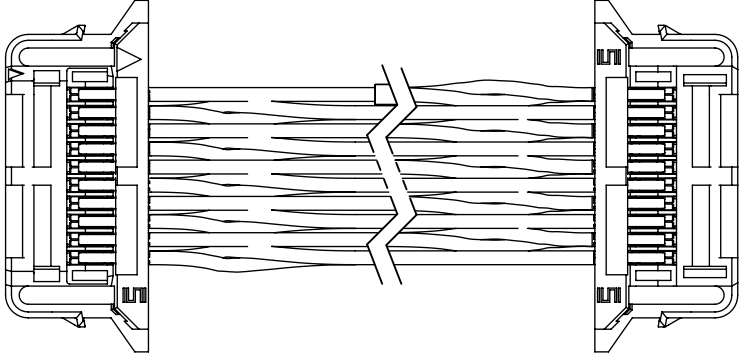
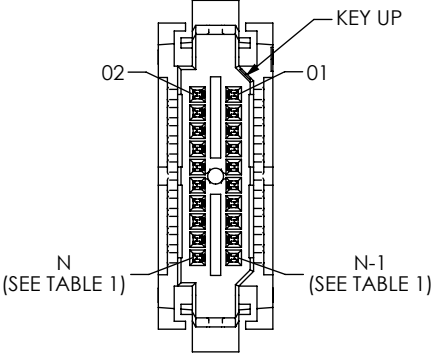


FIG 3
SESDT-10-32-X-XX.X-L1 SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(PIN 01 TO 01)

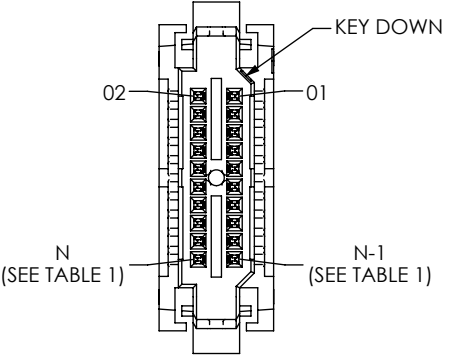
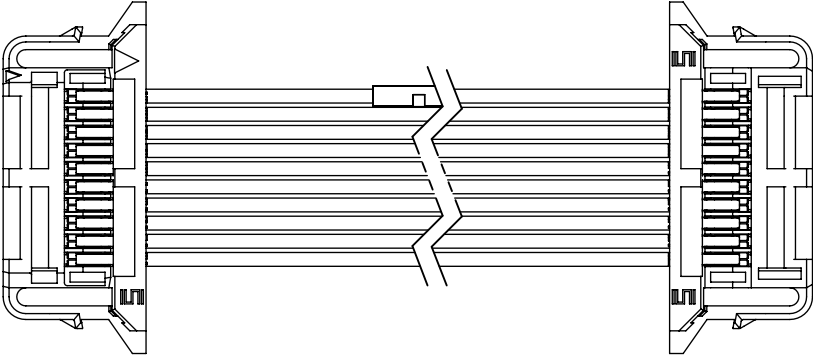
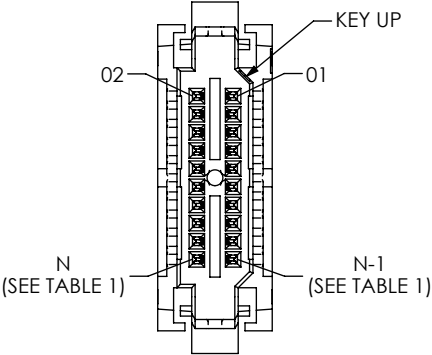


FIG 4
SESDT-10-32-X-XX.X-L2 SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(PIN 01 TO 02)

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SHEET SCALE: 3:1



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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 2 OF 4

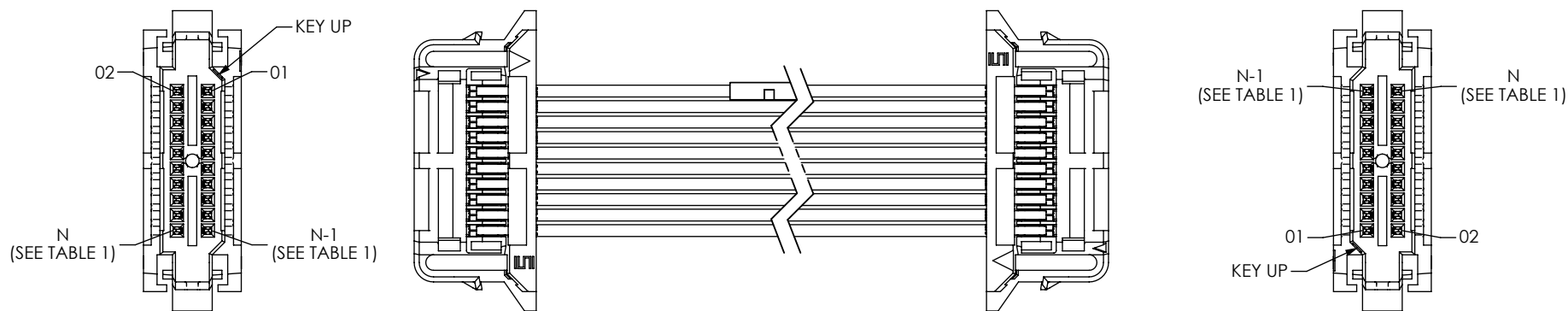


FIG 5
SESDT-10-32-X-XX.X-L3 SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(PIN 01 TO N-1)

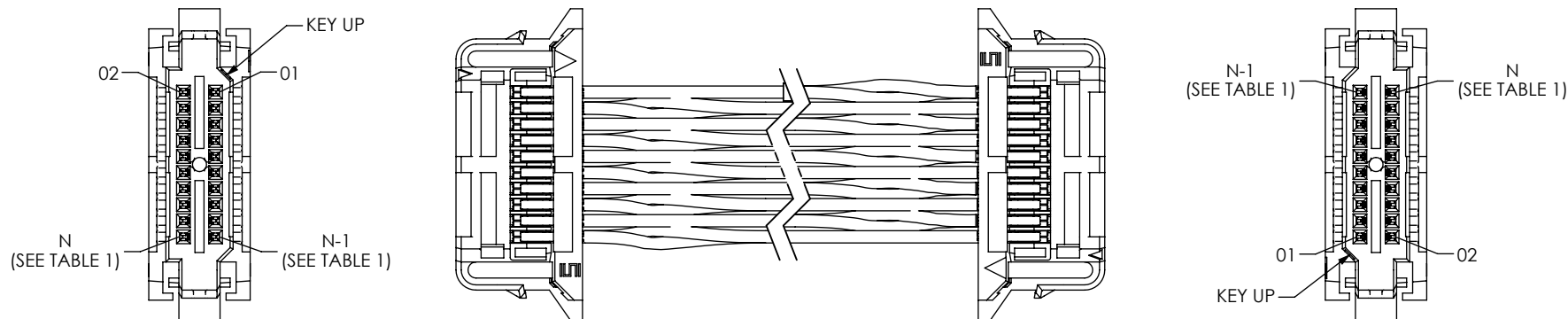
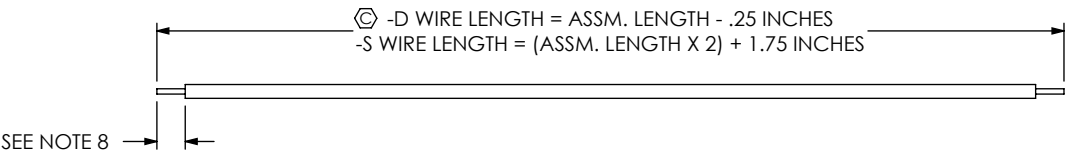


FIG 6
SESDT-10-32-X-XX.X-L4 SHOWN
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(PIN 01 TO N)

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IN-PROCESS 1
CUT WIRE TO LENGTH
(-S FORMULA INCLUDES MULTIPLIER FOR BUILDING DOUBLE ENDED INITIALLY)



IN-PROCESS 2
CRIMP CONTACT



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SHEET SCALE: 3:1



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SESDT-XX-XX-X-XX.X-LX

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