

REVISION CL

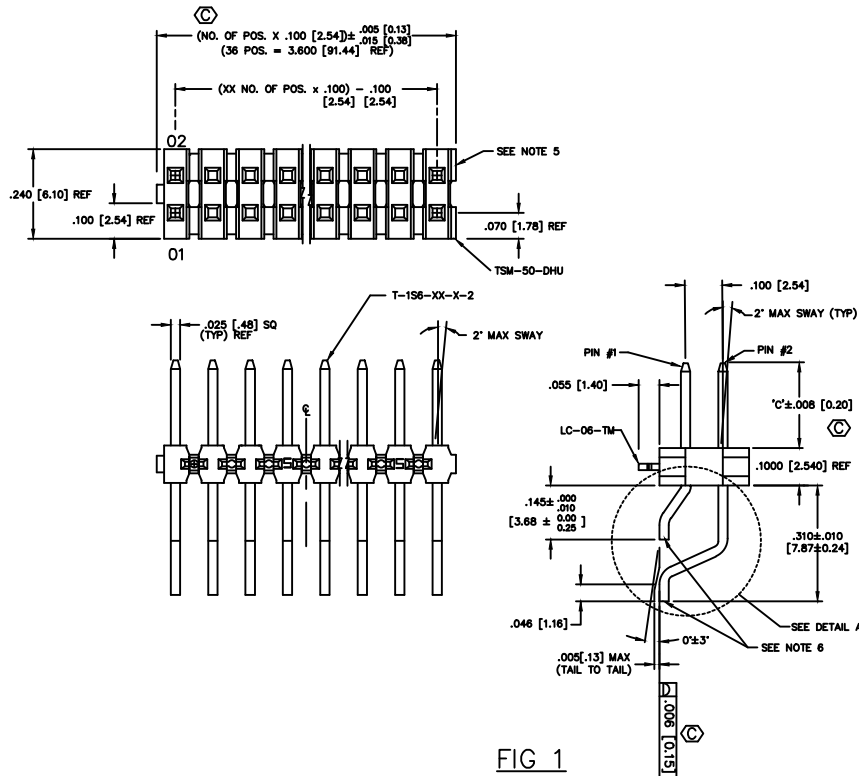
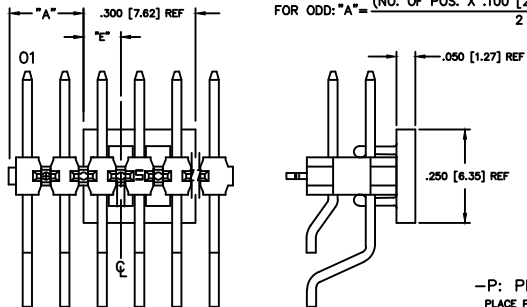
DO NOT SCALE  
FROM THIS PRINT

FIG 1

-LC: LOCKING CLIP OPTION  
CLIPS N/A WITH -A OPTION.DIFFERENT AS SHOWN.  
OTHERWISE SAME AS FIG 1.

$$\text{FOR EVEN "A"} = \frac{(\text{NO. OF POS. X .100 [2.54]} - .300 [7.62])}{2} + .050 [1.27]$$

$$\text{FOR ODD "A"} = \frac{(\text{NO. OF POS. X .100 [2.54]} - .300 [7.62])}{2}$$



| POS. | "E"         |
|------|-------------|
| ODD  | .150 [3.81] |
| EVEN | .100 [2.54] |

FIG 3

-P: PICK & PLACE PAD  
PLACE PPP-08 ON  $\phi$  AS SHOWN

| TABLE 2   |               |
|-----------|---------------|
| NO OF POS | S/S BOW       |
| 02 - 10   | .0030 [0.080] |
| 11 - 20   | .0050 [0.127] |
| 21 - 30   | .0070 [0.178] |
| 31 - 36   | .0080 [0.203] |

## PLATING SPECIFICATION

- T: MATTE TIN CONTACT AND TAIL
- S: 30 $\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- L: 10 $\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- F: 3 $\mu$ " FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H: 30 $\mu$ " HEAVY GOLD IN CONTACT AREA, 3 $\mu$ " FLASH GOLD ON TAIL
- TL: TIN/LEAD (90/10+/-5) CONTACT AND TAIL
- STL: 30 $\mu$ " SELECTIVE GOLD, ON CONTACT, TIN/LEAD (90/10+/-5) TAIL
- SM: 30 $\mu$ " SELECTIVE GOLD, IN CONTACT AREA, MATTE TIN ON TAIL
- LM: 10 $\mu$ " LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- FM: 3 $\mu$ " FLASH SELECTIVE GOLD, IN CONTACT AREA, MATTE TIN ON TAIL
- TM: MATTE TIN CONTACT AND TAIL
- SS: 30 $\mu$ " STRIPED SELECTIVE GOLD IN CONTACT, MATTE TIN ON TAIL (SEE NOTE 14)

## ROW OPTION

- DH: DOUBLE HORIZONTAL (USE TSM-50-DHU)
- MT: MIXED TECHNOLOGY (SEE FIG. 4 & TABLE 1) (NOT AVAILABLE WITH -LC, -SL, -TR OR -A OPTIONS)

## NOTES:

1.  $\phi$  REPRESENTS A CRITICAL DIMENSION.
2. DELETED
3. DELETED
4. DELETED
5. .005 [0.13] MAX CUT FLASH.
6. .002 [0.051] MAX BURR. MUST BE AWAY FROM SMT BOARD SIDE.
7. DELETED
8. CUT TO POSITION BODIES TO BE MULTI-CUT OR ROTO-CUT ONLY. NEVER AIR CUT.
9. TUBE POSITIONS 5-36, BULK PACKAGE POSITIONS 2-4.
10. 3 LBS. MIN PUSHOUT FORCE.
11. -04 LEAD STYLE DOES NOT MATE WITH SSM-DH.
12. ORIENTATION OF PART IN TAPE AND REEL TO BE CONTROLLED BY POCKET DESIGN.
13. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
14. -SS OPTION ONLY AVAILABLE IN LEAD STYLE -01 AND CAN ONLY MATE WITH SSW, SSQ, SSM, ESW, ESQ AND BCS.

DIMENSIONS ARE IN INCHES

UNLESS OTHERWISE NOTED

TOLERANCES ARE:

ONE PLACE DECIMALS  $\pm .1$  [.3] THREE PLACE DECIMALS  $\pm .005$  [.13]  
TWO PLACE DECIMALS  $\pm .01$  [.3] FOUR PLACE DECIMALS  $\pm .0020$  [.051]ANGLES  $\pm 2^\circ$ TITLE:  
TERMINAL STRIP  
DOUBLE SURFACE MOUNT

DWG NO:

TSM-1XX-XX-XXX-XX-XX-XXX-XX  
SHEET 1 OF 3

TSM-1XX-XX-XXX-XX-XX-XXX-XX

NO. OF POSITIONS  
-02 THRU -36LEAD STYLE  
(SEE TABLE 1)

## OPTION #3

- P: PICK & PLACE PAD, SEE FIG 3 (USE PPP-08) (AVAILABLE ON POS -05 THRU -36) (AVAILABLE ON POS -02 THRU -04 WITH -TR OPTION ONLY) (NOT AVAILABLE WITH -K OPTION)

- TR: TAPE & REEL (29 POS MAX) (AVAILABLE FOR -DH ONLY)

- K: POLYIMIDE FILM (SEE FIG 5, SHT 2) (NOT AVAILABLE WITH -P OPTION) (USE K-DOT-197-344-.005) (AVAILABLE ON POS -04 THRU -36) (AVAILABLE ON POS -02 THRU -03 WITH -TR OPTION ONLY)

## OPTION #2

POLARIZED POSITION: SPECIFY OMITTED PIN

## OPTION #1

- LC: LOCKING CLIP (USE LC-06-TM - SEE FIG. 1) (SEE NOTE 13) (03-36 POS USE 2 PER STRIP, 02 POS USE 1 PER STRIP) (USE TSM-XX-DHU) (NOT AVAILABLE WITH -A OR -SL OPTIONS)
- A: ALIGNMENT PIN (SEE FIG 2, SHT 3) (STAKED: 4 POS MIN) (MOLDED: 2 POS MIN) (NOT AVAILABLE WITH -LC OR -SL OPTIONS) (LEAVE BLANK FOR NO HOLD DOWN OPTION.)
- SL: SOLDER LOCK (SEE FIG 6, SHT 2) (2 POSITION MINIMUM) (NOT AVAILABLE WITH -LC OR -A OPTIONS)

TABLE 1

| ROW OPTION | LEAD STYLE        | BOTTOM ROW PIN #1 | TOP ROW PIN #2 | "C"          |
|------------|-------------------|-------------------|----------------|--------------|
| -DH        | -01               | T-1S6-08-X-2      | T-1S6-10-X-2   | .230 [5.84]  |
| -DH        | -02               | T-1S6-09-X-2      | T-1S6-11-X-2   | .320 [8.13]  |
| -DH        | -03               | T-1S6-09-X-2      | T-1S6-20-X-2   | .420 [10.67] |
| -DH        | -04 (SEE NOTE 11) | T-1S6-08-X-2      | T-1S6-09-X-2   | .120 [3.05]  |
| -MT        | -01               | T-1S6-08-X-2      | T-1S6-20-X-2   | .230 [5.84]  |
| -MT        | -02               | T-1S6-15-X-2      | T-1S6-20-X-2   | .320 [8.13]  |
| -MT        | -03               | T-1S6-09-X-2      | T-1S6-20-X-2   | .420 [10.67] |

MATERIAL:  
INSULATOR:  
LCP, UL 94 VO  
COLOR: BLACK  
TERMINALS:  
PHOSPHOR BRONZEEXISPROD/ASSEMBLY/100  
TSMOH  
**samtec**  
520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150  
PHONE (812) 944-6733 P.O. BOX 1147  
CODE 55322MADE BY:  
BRATCHER 7-27-85TSM-1XX-XX-XXX-XX-XX-XXX-XX  
SHEET 1 OF 3

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