

DO NOT SCALE  
FROM THIS PRINT

## NOTES:

1.  $\text{C}$  REPRESENTS A CRITICAL DIMENSION.
2. PUSHOUT FORCE TO BE: 2 lb. (32oz) MIN.
3. ORIENTATION OF PART IN T&R MAY VARY DEPENDING ON POCKET.
4. MAX CUT FLASH .030 ON TAIL AND POST.
5. 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.
6. AVAILABLE ON -01 LEAD STYLE ONLY, MATES WITH SSW, SSQ, SSM, BCS, ESW, ESQ.
7. 50 POSITION PARTS ARE ONLY AVAILABLE FOR INTERNAL SAMTEC USE ONLY.
8. NOTE DELETED.

## PLATING SPEC.

- T: MATTE TIN ON ENTIRE PIN
- S:  $30\mu$  SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- G:  $10\mu$  SELECTIVE GOLD IN CONTACT AREA,  $3\mu$  SELECTIVE GOLD ON TAIL.
- L:  $10\mu$  SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- F:  $3\mu$  SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- H:  $30\mu$  SELECTIVE GOLD IN CONTACT AREA,  $3\mu$  SELECTIVE GOLD ON TAIL.
- TL: TIN/LEAD (90/10+/-5%) CONTACT AND TAIL (-01 LEAD STYLE ONLY)
- STL:  $30\mu$  SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10+/-5%) (LEAD STYLE -01 & -02 ONLY)
- TM: MATTE TIN CONTACT AND TAIL
- SM:  $30\mu$  SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- LM:  $10\mu$  SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- FM:  $3\mu$  SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- SS:  $30\mu$  STRIPE SELECTIVE GOLD IN CONTACT AREA, MATTE TIN TAIL(SEE NOTE 6)

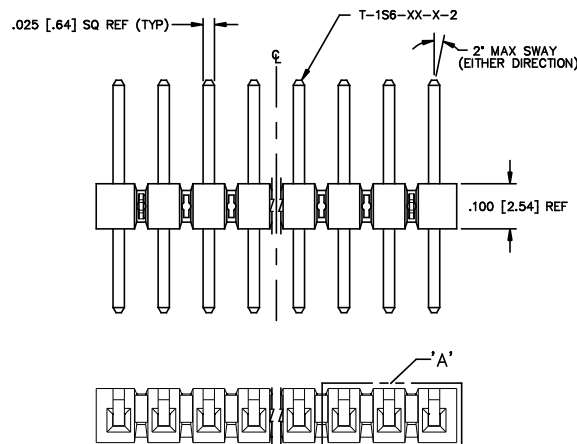
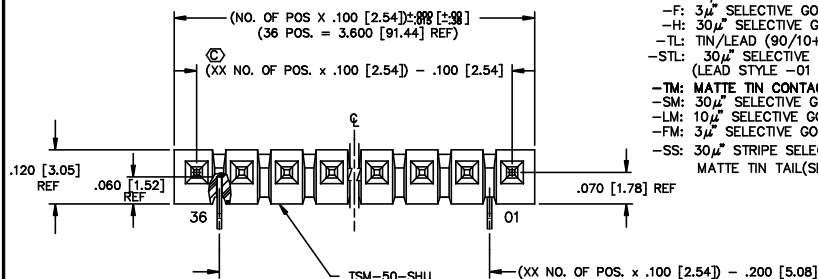


FIG 1  
-LC: LOCKING CLIP OPTION  
CLIPS N/A WITH -A OPTION.

| DIMENSIONS ARE IN INCHES      |                                   | TOLERANCES ARE: |               | ANGLES |  | TITLE:                                 | DWG NO:                     |
|-------------------------------|-----------------------------------|-----------------|---------------|--------|--|----------------------------------------|-----------------------------|
| ONE PLACE DECIMALS ±.1 [3]    | THREE PLACE DECIMALS ±.005 [.13]  | ±.0020 [.051]   | ±.0020 [.051] | ± 2°   |  | TERMINAL STRIP<br>SINGLE SURFACE MOUNT | TSM-10X-XX-XXX-SH-XX-XXX-XX |
| TWO PLACE DECIMALS ±.01 [.25] | FOUR PLACE DECIMALS ±.0020 [.051] |                 |               |        |  |                                        | SHEET 1 OF 2                |

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

No. OF POSITIONS  
-02 THRU -36,  
50 (SEE NOTE 7)

LEAD STYLE  
SEE TABLE 1

## OPTION #3

- P: PICK & PLACE PAD (SEE FIG. 3)  
USE PPP-08 (-04 THRU -36 POSITION OR 02 & 03 POSITION WITH -TR ONLY)
- TR: TAPE & REEL (-02 THRU -30 POSITION) (LEADS MAY NOT BE VISIBLE FOR CUSTOMER VISUAL INSPECTION ON SMALLER POSITION PARTS WHEN USED WITH -P OPTION.)
- K: POLYIMIDE FILM (SEE FIG. 6, SHT. 2) (-04 THRU -36 POSITION) (-02 & -03 POSITIONS WITH -TR ONLY)

## OPTION #2

- XXX: POLARIZED POSITION  
SPECIFY OMITTED PIN

## OPTION #1

- LC: LOCKING CLIP (SEE FIG. 1)(SEE NOTE 5)  
USE LC-09-TM (-03 THRU -36 POS USE 2 PER STRIP) (-02 POS USE 1 PER STRIP) (USE TSM-50-SHU)
- A: ALIGNMENT PIN  
(USE TSM-XX-SHU-XX BODY FOR MOLDED -A PINS, POS -02 THRU -50, SEE FIG 2, SHEET 2)  
(USE TSM-50-SHU BODY FOR STAKED -A PINS, POS -04 THRU -50, SEE FIG 4, SHEET 2)
- LEAVE BLANK FOR NO HOLD  
DOWN OPTION (USE TSM-50-SHU SEE FIG. 1, CAN BE CUT TO POSITION) N/A ON STYLE -03

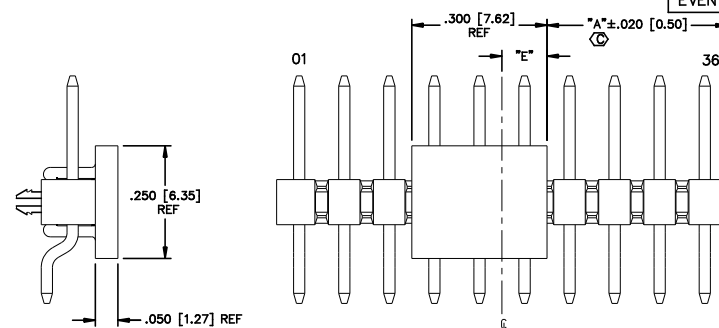
TABLE 1

| LEAD STYLE | "B"          | TERMINAL     | "C"         |
|------------|--------------|--------------|-------------|
| -01        | .230 [5.84]  | T-156-08-X-2 | .180 [4.57] |
| -02        | .320 [8.13]  | T-156-15-X-2 | .190 [4.83] |
| -03        | .420 [10.67] | T-156-09-X-2 | .190 [4.83] |
| -04        | .120 [3.05]  | T-156-07-X-2 | .190 [4.83] |

DIFFERENT AS SHOWN. OTHERWISE SAME AS FIG 1

TABLE 3

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



$$\text{FOR ODD: "A"} = \frac{(\text{NO. OF POS X .100 [2.54]} - .300 [7.26])}{2}$$

$$\text{FOR EVEN: "A"} = \left[ \frac{(\text{NO. OF POS X .100 [2.54]} - .300 [7.26])}{2} \right] + .050 [1.27]$$

FIG 3

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

MATERIAL:  
BODIES:  
LIQUID CRYSTAL POLYMER  
COLOR:BLACK  
TERMINALS:  
PHOSPHOR BRONZE

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REIDINGER 7-19-91

EXP/PROD/ASSEMBLY/100  
TSM/SH/SH  
TSM-10X-XX-XXX-SH-XX-XXX-XX  
SHEET 1 OF 2

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