

- NOTES:
- ⊕ REPRESENTS A CRITICAL DIMENSION.
 - PUSHOUT FORCE TO BE: 2 lb. (32oz) MIN.
 - ORIENTATION OF PART IN T&R MAY VARY DEPENDING ON POCKET.
 - MAX CUT FLASH .030 ON TAIL AND POST.
 - 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.

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]

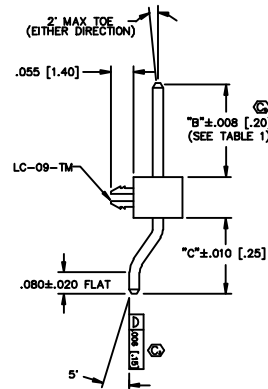
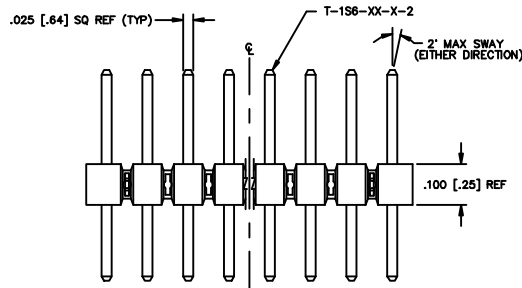
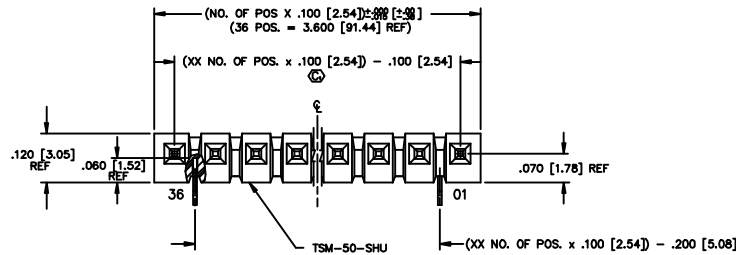


FIG. 1
-LC: LOCKING CLIP OPTION
CLIPS N/A WITH -A OPTION.

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

- No. OF POSITIONS
-02 THRU -36
- LEAD STYLE
SEE TABLE 1
- PLATING SPEC.
- T: TIN
 - S: SELECTIVE
 - G: GOLD
 - L: SELECTIVE
 - F: FLASH SELECTIVE
 - H: HEAVY GOLD
 - P: GOLD FLASHED PALLADIUM NICKEL
 - TL: TIN/LEAD (-01 LEAD STYLE ONLY)
 - STL: SELECTIVE TIN/LEAD (-01 LEAD STYLE ONLY)
 - TM: MATTE TIN
 - SM: HEAVY SELECTIVE GOLD, MATTE TIN TAIL
 - LM: LIGHT SELECTIVE GOLD, MATTE TIN TAIL
 - FM: FLASH SELECTIVE GOLD, MATTE TIN TAIL

ROW SPECIFICATION
-SH: SINGLE HORIZONTAL

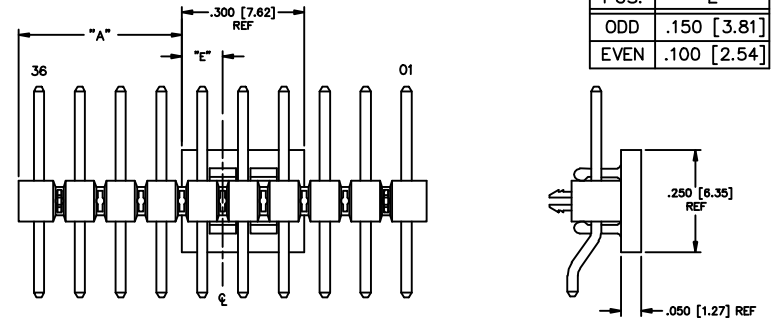
- OPTION #3
- P: PICK & PLACE PAD (SEE FIG. 3)
USE PPP-08 (-04 THRU -36 POSITION OR 02 & 03 POSITION WITH -TR ONLY)
 - TR: TAPE & REEL (-02 THRU -30 POSITION) (LEADS MAY NOT BE VISIBLE FOR CUSTOMER VISUAL INSPECTION ON SMALLER POSITION PARTS WHEN USED WITH -P OPTION.)
 - K: POLYIMIDE FILM (SEE FIG. 6, 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-SH-A BODY FOR MOLDED -A PINS, POS -02, SEE FIG. 2, SHEET 2) (USE TSM-50-SHU-XX BODY FOR MOLDED -A PINS, POS -03 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

DIFFERENT AS SHOWN. OTHERWISE SAME AS FIG. 1.

TABLE 3

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



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

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

FIG. 3
-P: PICK & PLACE PAD
PLACE PPP-08 ON ⊕ AS SHOWN

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

EXSPROD ASSEMBLY 100 TSM5HSM
samtec
520 PARK EAST BLVD., NEW ALBANY, INDIANA 47150
PHONE (812) 844-8723 P.O. BOX 1147
CODE 55332

MADE BY
REIDINGER 7-19-91

TSM-100-XX-XXX-01-XX-XXX-XX
SHEET 1 OF 2

REV. BR

FIG. 2
 -A: ALIGNMENT PIN OPTION (MOLDED)
 DIFFERENT AS SHOWN. OTHERWISE SAME AS FIG. 1.

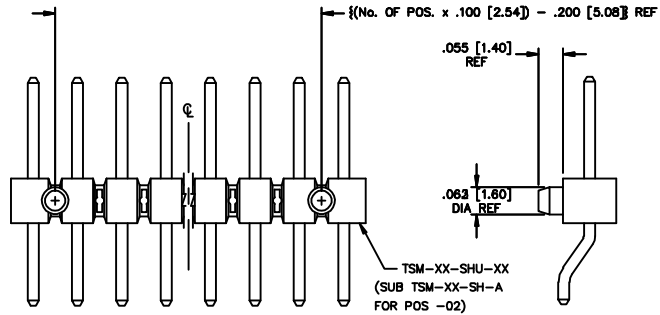


FIG. 4
 -A: ALIGNMENT PIN OPTION (STAKED)
 DIFFERENT AS SHOWN. OTHERWISE SAME AS FIG. 1.

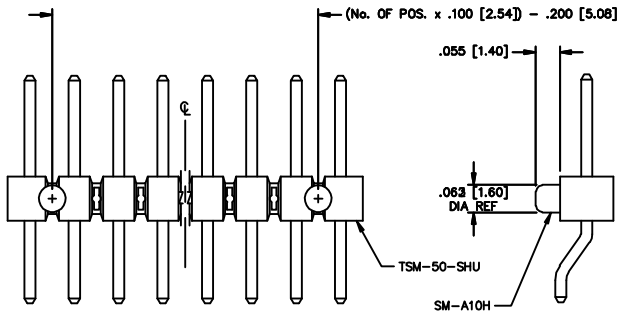
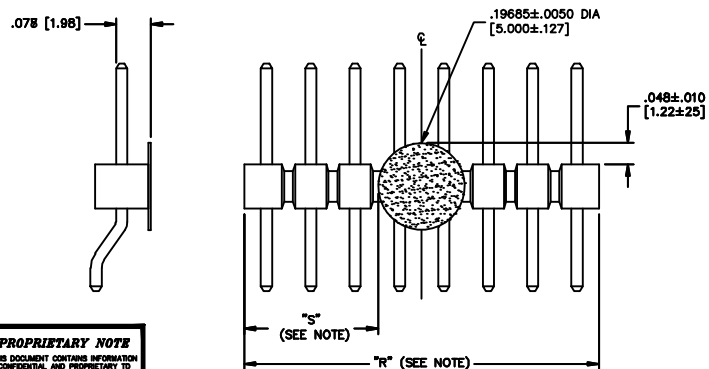


FIG. 6
 -K POLYIMIDE FILM PAD



NOTE:
 "R" = USED MEASURED DIMENSIONS (REF)
 "S" = $\{("R" - .1969 [5.000]) / 2\} \pm .020 [51]$

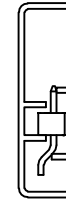
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DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE NOTED		TOLERANCES ARE:	
ONE PLACE DECIMALS ±.1 [3]	THREE PLACE DECIMALS ±.005 [.13]	ANGLES ± 2°			
TWO PLACE DECIMALS ±.01 [.25]	FOUR PLACE DECIMALS ±.0020 [.051]				

TITLE:
TERMINAL STRIP
SINGLE SURFACE MOUNT

DWG NO:
 TSM-1XX-XX-XXX-SH-XX-XXX-XX
 SHEET 2 OF 2

FIG. 5
 PACKAGING



PT-TSM002-SH-K
 USE TP-24



PT-TSM003-SH-P
 USE TP-24

- 1 ALL PARTS WITH PLASTIC PAD USE PT-TSM003-SH-P
- 2 ALL PARTS WITHOUT PLASTIC PAD USE PT-TSM002-SH-K

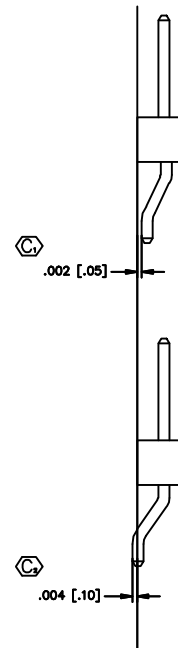


FIG. 7
 -SH SURFACEMOUNT DIAGRAM

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TSM-1XX-XX-XXX-SH-XX-XXX-XX
 SHEET 2 OF 2