

DO NOT SCALE FROM THIS PRINT

UNLESS OTHERWISE NOTED TOLERANCES ARE:
 DIMENSIONS ARE IN INCHES
 ONE PLACE DECIMALS ± .1 [2.5mm] THREE PLACE DECIMALS ± .005 [0.13mm]
 TWO PLACE DECIMALS ± .00 [0.25mm] FOUR PLACE DECIMALS ± .0020 [0.05mm]
 ANGLES ± 2°

TITLE: HIGH TEMP 2MM SMT BOARD STACKING TERMINAL STRIP ASM
 DWG NO: TW-XX-XX-XXX-X-XXX-SM-XXX-XX
 SHEET 1 OF 3

TABLE 1

LEAD STYLE	TERMINAL	MAX "A" ("B" IS .000 [.00] MIN)	"C" OVERALL PIN LENGTH
-02	T-1S13-02-XXX-2	.309 [7.85]	.377 [9.6]
-03	T-1S13-03-XXX-2	.467 [11.86]	.535 [13.6]
-04	T-1S13-06-XXX-2	.487 [12.37]	.555 [14.1]
-06	T-1S13-10-XXX-2	.605 [15.37]	.673 [17.1]
-07	T-1S13-11-XXX-2	.683 [17.35]	.751 [19.1]
-09	T-1S13-13-XXX-2	.388 [9.86]	.456 [11.6]

- NOTES:
- MAX. PIN ROTATION IN BODY: 2°
 - PUSHOUT FORCE SHALL BE 1 lb MIN.
 - ⊙ REPRESENTS A CRITICAL DIMENSION
 - ALL DIMENSIONS IN BRACKETS [] TO BE MILLIMETERS.
 - HEIGHT VARIATION BETWEEN ANY TWO PINS SHALL BE .010 MAX
 - ⊙ TUBE POSITIONS -04 THROUGH -36 ONLY; LAYER PACKAGE -02 & -03. TUBE PLUG MUST BE ALIGNED WITH INSULATOR. (SEE DETAIL ON PAGE 2)
 - MOLDED OR STAKED ALIGNMENT PIN AT SAMTEC'S DISCRETION.
 - SPACE OPTION FROM .170 TO .209 REQUIRES AN ADDITIONAL REPRESS.
 - MUST USE CARBIDE BLADES.
 - ⊙ -M OPTION AVAILABLE ON -D ROW ONLY. -M OPTION AVAILABLE ON POSITIONS 4-36 ONLY. -P OPTION AVAILABLE ON 4-36 POSITION ONLY.

No. OF POSITIONS
 EXPRESSED IN # OF POS
 (-02 THRU -36)
 "XX" = No OF POS x .07874 [2.00]

LEAD STYLE
 (SEE TABLE 1)

PLATING

- G: GOLD (USE T-1S13-XX-G-2)
- T: TIN (USE T-1S13-XX-T-2)
- S: SELECTIVE (USE T-1S13-XX-S-2)
- E: EXTRA HEAVY GOLD (USE T-1S13-XX-E-2)
- L: LIGHT GOLD (USE T-1S13-XX-L-2)
- F: FLASH SELECTIVE GOLD (USE T-1S13-XX-F-2)
- P: GOLD FLASHED PALLADIUM NICKEL (USE T-1S13-XX-P-2)
- TL: TIN/LEAD (USE T-1S13-XX-TL-2)
- STL: SELECTIVE TIN/LEAD (USE T-1S13-XX-STL-2)
- LTL: LIGHT SELECTIVE TIN/LEAD (USE T-1S13-XX-LTL-2)
- H: HEAVY GOLD (USE T-1S13-XX-H-2)
- SM: HEAVY GOLD SELECTIVE, MATTE TIN TAIL (USE T-1S13-XX-S-2)
- TM: MATTE TIN (USE T-1S13-XX-T-2)
- LM: LIGHT GOLD SELECTIVE, MATTE TIN TAIL (USE T-1S13-XX-L-2)
- FM: FLASH GOLD SELECTIVE, MATTE TIN TAIL (USE T-1S13-XX-F-2)

ROW OPTION

- S: SINGLE ROW (USE TMM-50-S)
- D: DOUBLE ROW (USE TMM-50-D)

OPTION 1

- LC: LOCKING CLIP (SEE FIG 2, SHEET 2)
 (-D ROW: USE 2TS-XX-D)
 (-S ROW: USE 2TS-XX-SV)
 (.190 MIN BOARD SPACE)
- A: MOLDED ALIGNMENT PIN (SEE FIG 3, SHEET 2 & NOTE 7)
 (AVAILABLE IN 2-36 POSITIONS)
 (2 POSITIONS WILL ONLY HAVE ONE ALIGNMENT PIN)
 (-D ROW: USE 2TS-XX-DV-A)
 (-S ROW: USE 2TS-XX-SV-A)
 (BOTTOM BODY ONLY, USE TMM-50-X FOR TOP)
 STAKED ALIGNMENT PIN (SEE FIG 4, SHEET 2 & NOTE 7)
 (-D ROW ONLY: USE TMM-50-D, 5 POS MIN)
 (.190 MIN BOARD SPACE FOR BOTH)
- P: PICK & PLACE PAD (SEE NOTE 10)
 (-D ROW: USE PPP-10)
 (-S ROW: USE PPP-11)
 NOTE: "B" = .075 [1.91] MIN FOR THIS OPTION (SEE FIG 6)
- M: METAL PICK & PLACE PAD (SEE NOTE 10)
 (-D ROW: USE PPP-10)
 NOTE: "B" MUST BE .075 OR GREATER FOR THIS OPTION. (SEE FIG. 5)
- TR: TAPE AND REEL PACKAGING
 (-07 LEAD STYLE NOT AVAILABLE IN T & R)
 (SEE SHEET 3 FOR -S-TR OPTION ORIENTATION VIEW)
 (.475 MAX "A" WHEN COMBINED WITH -P OPTION)

OPTION 2

- XXX: POLARIZED POSITION (SPECIFY OMITTED PIN)

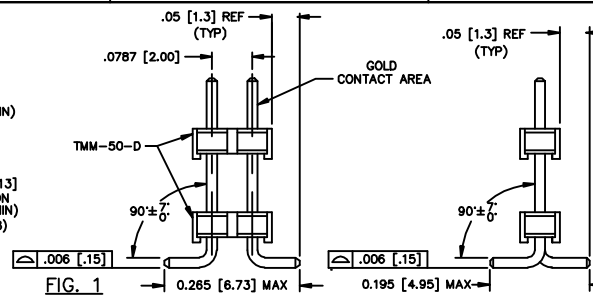
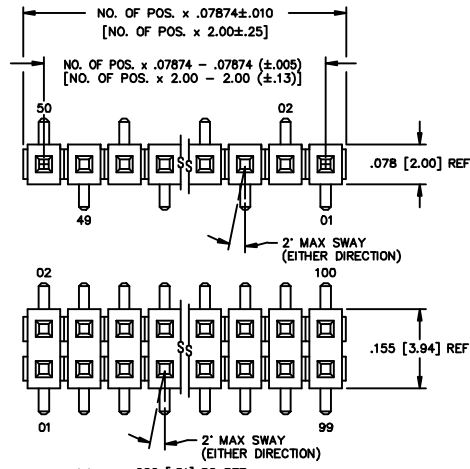
SURFACE MOUNT

SPACE OPTION

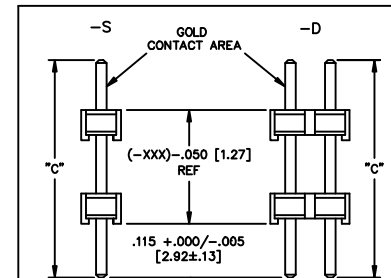
- (SEE NOTE 8)
- XXX="A" (SEE TABLE 1, .170 [4.32] MIN)

TABLE 2 (SEE NOTE 6)

LEAD STYLE	OPTIONS	TUBE	PLUGS
-02, -04, -07, -09	-D, -D-LC, -D-A	PT-TW001-D-SM	TP-03
-03	-D, -D-LC, -D-A	PT-TW001-D-SM	TP-03
ALL	-S, -S-LC, -S-A	PT-TW002-S-SM	TP-03
-02, -09	-D-A-P, -D-LC-P, -D-P, -D-LC-M, -D-A-M, -D-M	PT-TW001-D-SM	TP-03
-03, -04	-D-A-P, -D-LC-P, -D-P, -D-LC-M, -D-A-M, -D-M	PT-TW001-D-SM	TP-03
-07	-D-A-P, -D-LC-P, -D-P, -D-LC-M, -D-A-M, -D-M	PT-TW001-D-SM	TP-03
-02, -09	-S-LC-P, -S-A-P	PT-TW002-S-SM	TP-03
-03, -04	-S-LC-P, -S-A-P, -S-P	PT-TW002-S-SM	TP-03
-07	-S-LC-P, -S-A-P, -S-P	PT-TW002-S-SM	TP-03
-06	-D-LC	PT-TW001-D-SM	TP-03
-06	NONE, -A, -D	PT-TW001-D-SM	TP-03
-06	-D-A-P, -D-LC-P, -D-P, -D-LC-M, -D-A-M, -D-M	PT-TW001-D-SM	TP-03
-06	-S-LC-P, -S-A-P, -S-P	PT-TW002-S-SM	TP-03



PATENT NUMBERS
 5713755 / 5961339



IN-PROCESS

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

MISC. MKTg TO TW-SM
samtec
 520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150
 PHONE (812) 944-8733 P.O. BOX 1147
 CODE 55322
 MADE BY:
 BRYANT 3-8-93 TW-XX-XX-XXX-X-XXX-SM-XXX-XX

DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE NOTED		TOLERANCES ARE:	
ONE PLACE DECIMALS ± .1 [2.5mm]	THREE PLACE DECIMALS ± .005 [0.13mm]	ANGLES	± 2°		
TWO PLACE DECIMALS ± .010 [0.25mm]	FOUR PLACE DECIMALS ± .0020 [0.05mm]				

TITLE: HIGH TEMP 2mm SURFACE MOUNT BOARD STACKING TERMINAL STRIP
 DWG NO: TW-XX-XX-XXX-Y-XXX-SM-XXX-XX
 SHEET 2 OF 3

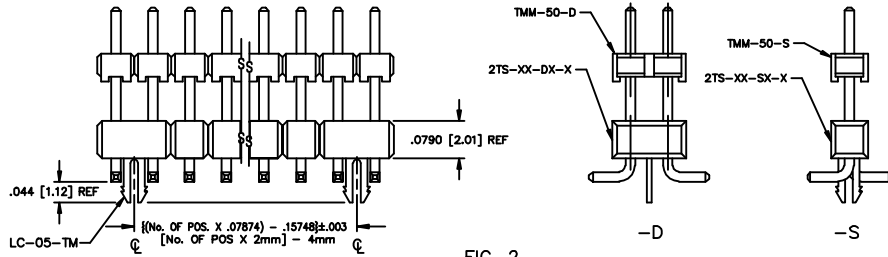
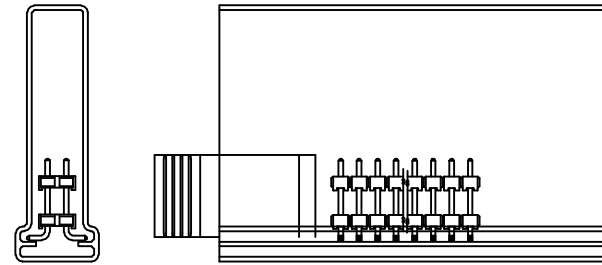


FIG. 2
 (-LC OPTION)
 SAME AS FIG 1 EXCEPT WHERE NOTED.



PAGING VIEW
 SCALE: .5X
 PT-1-24-02-47
 TP-03
 ORIENT PLUG SQUARE AT BOTTOM OF TUBE,
 PINS CANNOT CONTACT THE PLUG.

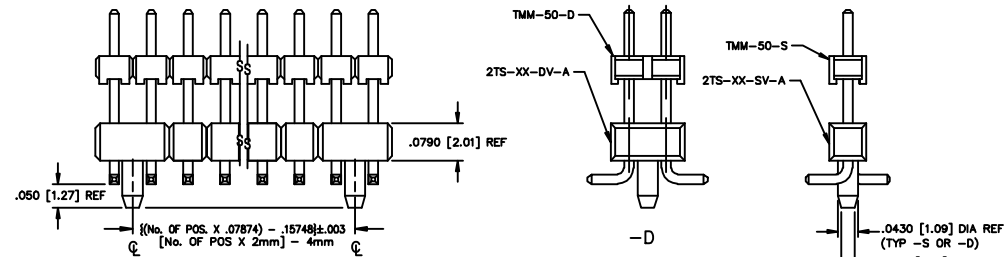


FIG. 3
 (-A MOLDED ALIGNMENT PIN OPTION)
 SAME AS FIG 1 EXCEPT WHERE NOTED.

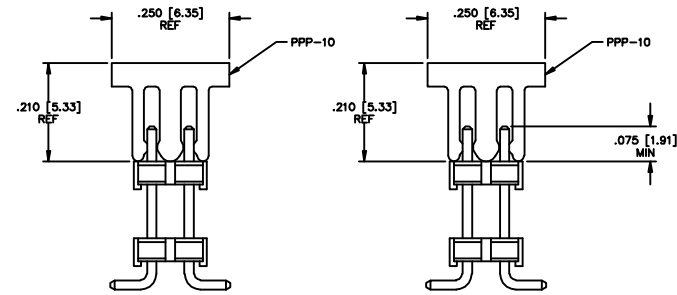


FIG. 5
 (-M OPTION)
 (SEE NOTE 10)

FIG. 6
 (-P OPTION)
 (SEE NOTE 10)

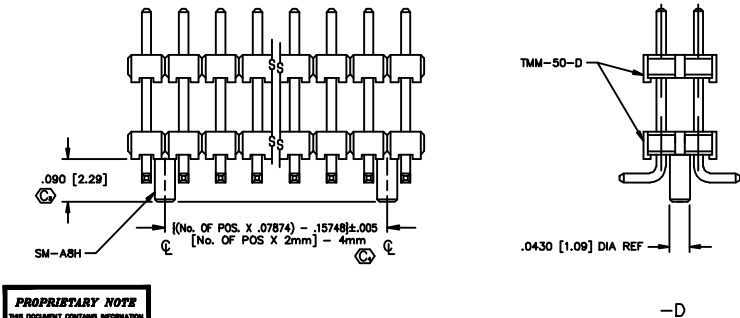
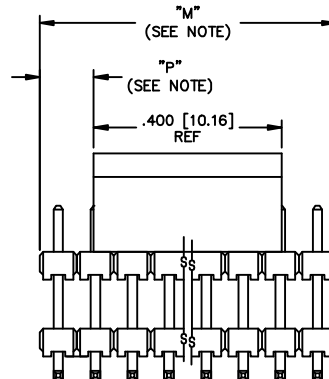
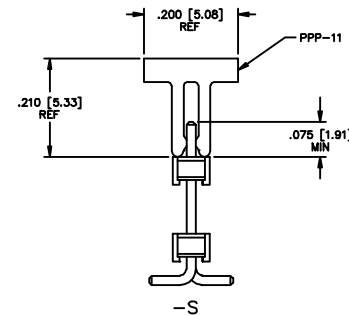


FIG. 4
 (-A STAKED ALIGNMENT PIN OPTION)
 SAME AS FIG 1 EXCEPT WHERE NOTED.



NOTE: "M" = USED MEASURED DIMENSION (REF)
 "P" = {("M" - .400) / 2 } ± .020 [0.51]
 -APPLIES TO BOTH SINGLE & DOUBLE-

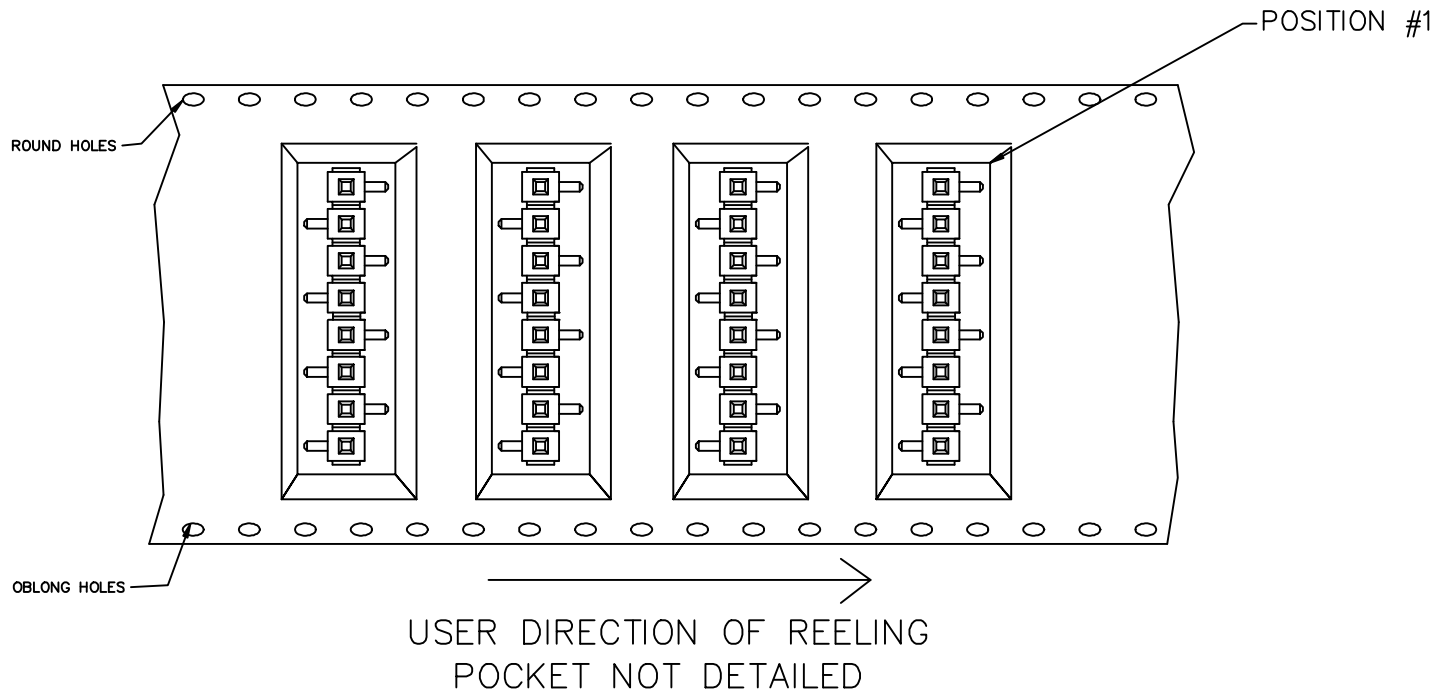


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TWO PLACE DECIMALS ±.00 [2mm]	FOUR PLACE DECIMALS ±.0020 [.05mm]	

-TR VIEW FOR -S (SINGLE ROW)



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