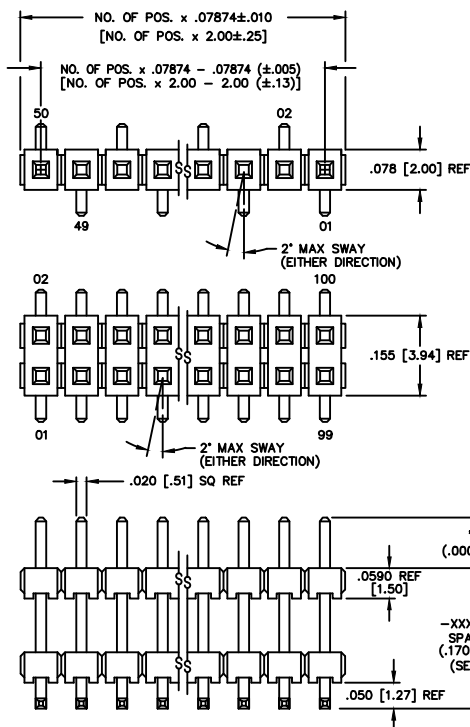


DO NOT SCALE
FROM THIS PRINT

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]

1. MAX. PIN ROTATION IN BODY: 2°
2. PUSHOUT FORCE SHALL BE 1 lb MIN.
3. REPRESENTS A CRITICAL DIMENSION
4. ALL DIMENSIONS IN BRACKETS [] TO BE MILLIMETERS.
5. HEIGHT VARIATION BETWEEN ANY TWO PINS SHALL BE .010 MAX
6. TUBE POSITIONS -04 THROUGH -36 ONLY; LAYER PACKAGE -02 & -03. TUBE PLUG MUST BE ALIGNED WITH INSULATOR. (SEE DETAIL ON PAGE 2)
7. MOLDED OR STAKED ALIGNMENT PIN AT SAMTEC'S DISCRETION.
8. SPACE OPTION FROM .170 TO .209 REQUIRES AN ADDITIONAL REPRESS.
9. MUST USE CARBIDE BLADES.
10. -M OPTION AVAILABLE ON -D ROW ONLY. -M OPTION AVAILABLE ON POSITIONS 4-36 ONLY. -P OPTION AVAILABLE ON 4-36 POSITION ONLY.
11. 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.



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UNLESS OTHERWISE NOTED		
DIMENSIONS ARE IN INCHES	TOLERANCES ARE:	
ONE PLACE DECIMALS $\pm .1$ [2.5mm]	THREE PLACE DECIMALS $\pm .005$ [.13mm]	ANGLES $\pm 2^\circ$
TWO PLACE DECIMALS $\pm .010$ [.25mm]	FOUR PLACE DECIMALS $\pm .0020$ [.05mm]	

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

TW-XX-XX-XXX-X-XXX-SM-XXX-XX

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

LEAD STYLE —
(SEE TABLE 1)

PLATING

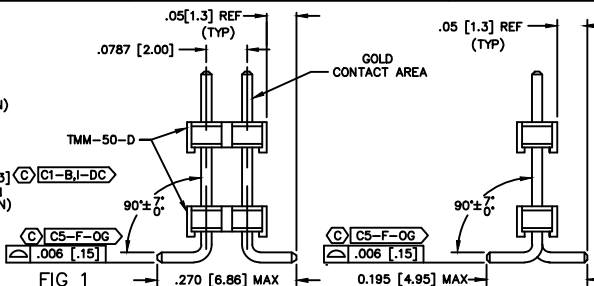
- G: 10 μ " GOLD IN CONTACT AREA, 10 GOLD ON TAIL
(USE T-1S13-XX-G-2)
- T: MATTE TIN CONTACT AND TAIL (USE T-1S13-XX-T-2)
- S: 30 μ " GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-S-2)
- E: 50 μ " GOLD IN CONTACT AREA, 3 μ " GOLD ON TAIL
(USE T-1S13-XX-E-2)
- L: 10 μ " GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-L-2)
- F: 3 μ " GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-F-2)
- P: 2 μ " - 5 μ " GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-P-2)
- TL: TIN/LEAD (90%/10 +/-5%) CONTACT AND TAIL
(USE T-1S13-XX-TL-2)
- STL: 30 μ " GOLD IN CONTACT AREA, TIN/LEAD (90%/10 +/-5%) TAIL
(USE T-1S13-XX-STL-2)
- LTL: 10 μ " GOLD IN CONTACT AREA, (90%/10 +/-5%) TAIL
(USE T-1S13-XX-LTL-2)
- H: 30 μ " GOLD IN CONTACT AREA, 3 μ " GOLD ON TAIL
(USE T-1S13-XX-H-2)
- SM: 30 μ " GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-S-2)
- TM: MATTE TIN CONTACT AND TAIL (USE T-1S13-XX-T-2)
- LM: 10 μ " GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-L-2)
- FM: 3 μ " GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-F-2)

ROW OPTION

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

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-24-02
-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-24-02
-03,-04	-S-LC-P, -S-A-P, -S-P	PT-TW002-S-SM	TP-24-02
-07	-S-LC-P, -S-A-P, -S-P	PT-TW002-S-SM	TP-24-02
-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-24-02



— **OPTION 1**

- LC: LOCKING CLIP (SEE FIG 2, SHEET 2)(SEE NOTE 11)
 - (-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, 4 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)

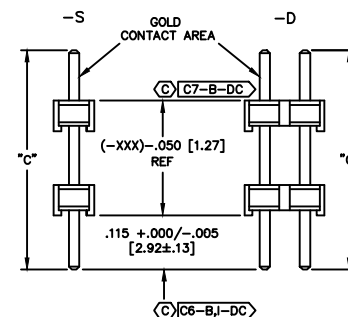
— OPTION 2

-XXX: POLARIZED POSITION
(SPECIFY OMITTED PIN)

— SURFACE MOUNT

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

PATENT NUMBERS
5713755 / 5961339



IN-PROCESS

EXISPROD\ASSEMBLY\2M
TW-SM

MATERIAL:
INSULATOR:
LIQUID CRYSTAL POLYMER
COLOR: BLACK

TERMINALS:
PHOSPHOR BRONZE



520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150
PHONE (812) 944-6733 P.O. BOX 1147
CODE 55322

MADE BY:
BRYANT 3-8-93

TW-XX-XX-XXX-X-XXX-SM-XXX-XX

REV. CF

DIMENSIONS ARE IN INCHES		TOLERANCES ARE:		TITLE: HIGH TEMP 2mm SURFACE MOUNT BOARD STACKING TERMINAL STRIP		DWG NO: TW-XX-XX-XXX-X-XXX-SM-XXX-XX	
ONE PLACE DECIMALS $\pm .1$ [2.5mm]	THREE PLACE DECIMALS $\pm .005$ [0.13mm]	ANGLES $\pm 2^\circ$					
TWO PLACE DECIMALS $\pm .01$ [0.25mm]	FOUR PLACE DECIMALS $\pm .0020$ [0.05mm]						

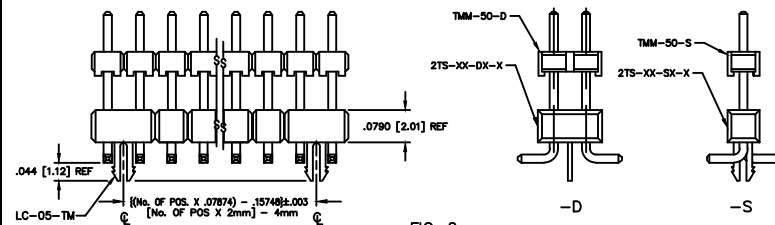


FIG. 2
(-LC OPTION)
SAME AS FIG 1 EXCEPT WHERE NOTED.

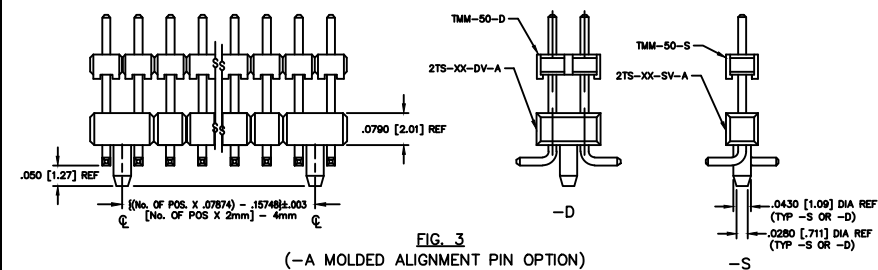


FIG. 3
(-A MOLDED ALIGNMENT PIN OPTION)
SAME AS FIG 1 EXCEPT WHERE NOTED.

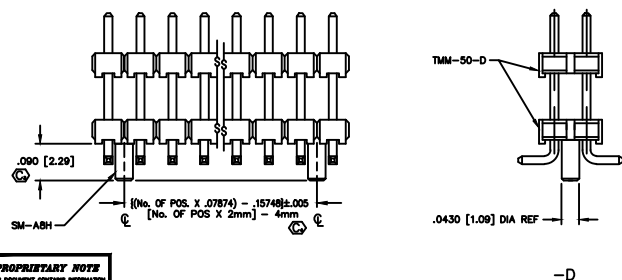
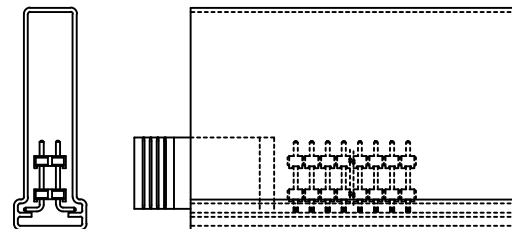


FIG. 4
(-A STAKED ALIGNMENT PIN OPTION)
SAME AS FIG 1 EXCEPT WHERE NOTED.



PAGING VIEW
SCALE: 5X
PT-1-24-02-47
TP-03

ORIENT PLUG SQUARE AT BOTTOM OF TUBE,
PINS CANNOT CONTACT THE PLUG.

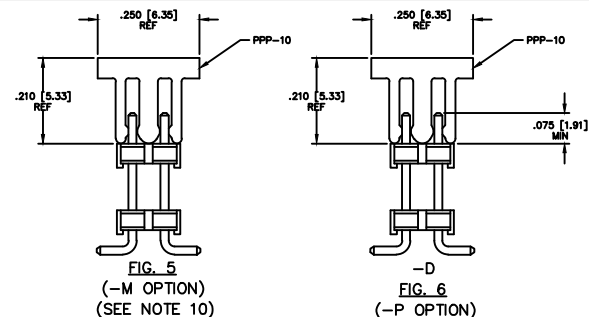
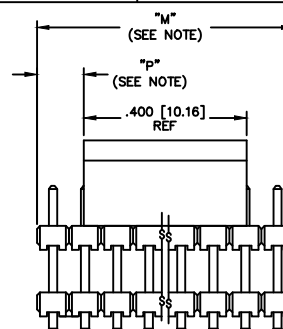
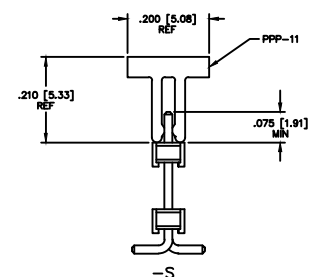


FIG. 5
(-M OPTION)
(SEE NOTE 10)

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



NOTE: "M" = USED MEASURED DIMENSION (REF)
"P" = [{"M"} - .400] / 2 $\pm .020$ [.51]
-APPLIES TO BOTH SINGLE & DOUBLE-



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CODE 35322

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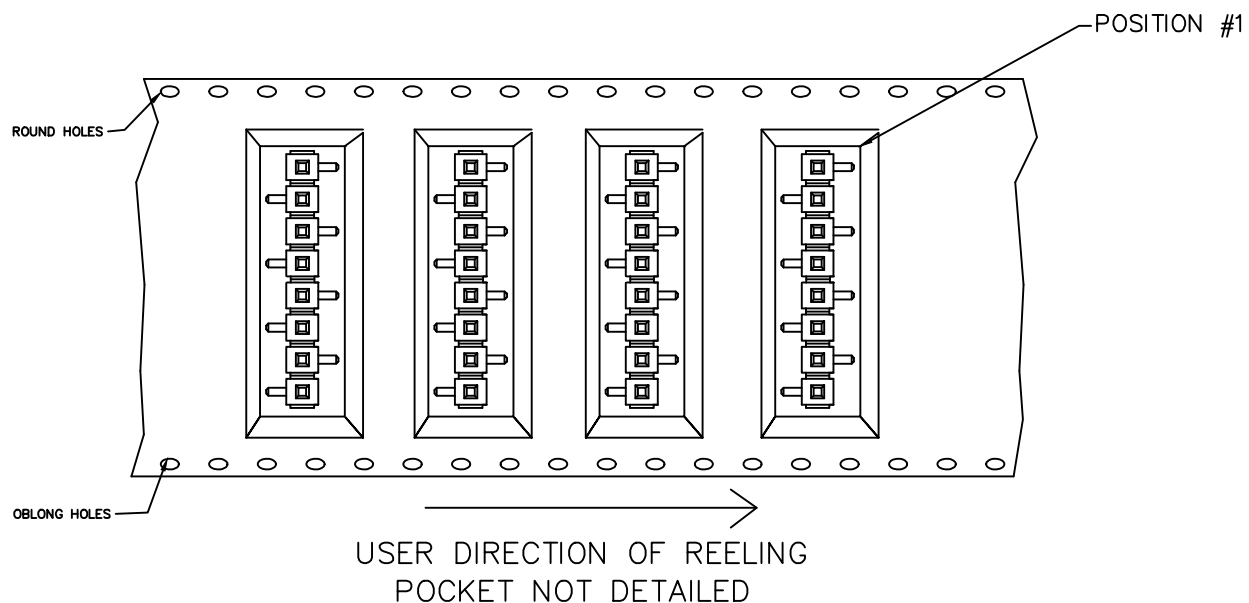
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DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE NOTED	TOLERANCES ARE	TITLE: HIGH TEMP 2mm	DWG NO:
ONE PLACE DECIMALS $\pm .1$ [2.5mm]	THREE PLACE DECIMALS $\pm .005$ [.13mm]	ANGLES $\pm 2^\circ$		SURFACE MOUNT	TW-XX-XX-XXX-X-XXX-SM-XXX-XX
TWO PLACE DECIMALS $\pm .01$ [.25mm]	FOUR PLACE DECIMALS $\pm .002$ [.05mm]			BOARD STACKING	
				TERMINAL STRIP	SHEET 3 OF 3

-TR VIEW FOR -S (SINGLE ROW)



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