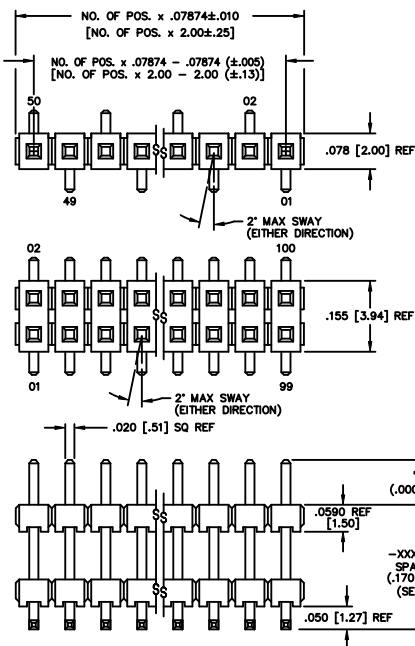


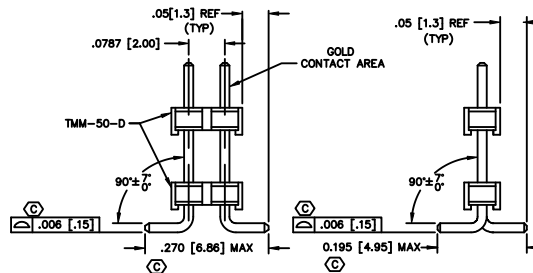
DO NOT SCALE
FROM THIS PRINT

LEAD STYLE	TERMINAL	MAX "A" ("B" IS .000 [.000] 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; BULK 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. NOTE DELETED.
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.
12. -S-A FOR EXISTING BUSINESS ONLY, NEW DESIGNS WILL BE AN ASP.
13. MAX. CR. DIM. (.020 TO .031)
14. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
15. ATTACH LABEL TO EACH REEL



LEAD STYLE	OPTIONS	TUBE	PLUGS
-02, -04, -07, -09	-D, -D-LC, -D-A	PT-TW001-D-SM	TP-38
-03	-D, -D-LC, -D-A	PT-TW001-D-SM	TP-38
ALL	-S, -S-LC, -S-A	PT-TW002-S-SM	TP-38
-02, -09	-D-A-P, -D-LC-P, -D-P, -D-LC-M, -D-A-M, -D-M	PT-TW001-D-SM	TP-38
-03, -04	-D-A-P, -D-LC-P, -D-P, -D-LC-M, -D-A-M, -D-M	PT-TW001-D-SM	TP-38
-07	-D-A-P, -D-LC-P, -D-P, -D-LC-M, -D-A-M, -D-M	PT-TW001-D-SM	TP-38
-02, -09	-S-LC-P, S-S-A-P	PT-TW002-S-SM	TP-38
-03, -04	-S-LC-P, S-S-A-P, -S-P	PT-TW002-S-SM	TP-38
-07	-S-LC-P, S-S-A-P, -S-P	PT-TW002-S-SM	TP-38
-08	-D-LC	PT-TW001-D-SM	TP-38
NONE, -A, -O		PT-TW001-D-SM	TP-38
-08	-D-A-P, -D-LC-P, -D-P, -D-LC-M, -D-A-M	PT-TW001-D-SM	TP-38
-08	-S-LC-P, -S-A-P, -S-P	PT-TW002-S-SM	TP-38
-08	-D-M	PT-1-24-16-29	TP-38



UNLESS OTHERWISE NOTED		TOLERANCES ARE:
DIMENSIONS ARE IN INCHES	ONE PLACE DECIMALS $\pm .1$ [2.5mm]	THREE PLACE DECIMALS $\pm .005$ [.13mm]
	TWO PLACE DECIMALS $\pm .01$ [.25mm]	FOUR PLACE DECIMALS $\pm .0020$ [.05mm]
		ANGLES $\pm 2^\circ$

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

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

LEAD STYLE -
(SEE TABLE 1)

- G: 20μ GOLD IN CONTACT AREA, 3μ GOLD ON TAIL
(USE T-1S13-XX-G-2)
- T: MATTE TIN CONTACT AND TAIL (USE T-1S13-XX-T-2)
- S: 30μ GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-S-2)
- E: 50μ GOLD IN CONTACT AREA, 3μ GOLD ON TAIL
(USE T-1S13-XX-E-2)
- L: 10μ GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-L-2)
- F: 3μ GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-F-2)
- P: 2μ - 5μ 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: 30μ GOLD IN CONTACT AREA, TIN/LEAD (90%/10 +/ -5%) TAIL
- LTL: 10μ GOLD IN CONTACT AREA, (90%/10 +/ -5%) TAIL
(USE T-1S13-XX-LTL-2)
- H: 30μ GOLD IN CONTACT AREA, 3μ GOLD ON TAIL
(USE T-1S13-XX-H-2)
- SM: 30μ 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: 10μ GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-L-2)
- FM: 3μ GOLD IN CONTACT AREA, MATTE TIN ON TAIL
(USE T-1S13-XX-F-2)

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

TITLE: HIGH TEMP
2MM SMT BOARD
STACKING TERMINAL
STRIP ASM

DWG NO:
TW-XX-XX-XXX-X-XXX-SM-XXX-XX-X-XX
SHEET 1 OF 3

-BLANK: TUBES (SEE NOTE 6)
-TR: TAPE & REEL (SEE NOTE 14 & 15)
 (-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)
-FR: FULL REEL QTY TAPE & REEL (SEE NOTE 14 & 15)
 (-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)

-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: PICK & PLACE PAD (SEE NOTE 10)
 (-D ROW: USE PPP-10)
 NOTE: "B" MUST BE .075 OR GREATER FOR THIS OPTION.
 (SEE FIG 5)

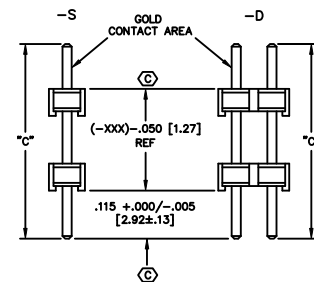
-LC: LOCKING CLIP (SEE FIG 2, SHEET 2)(SEE NOTE 11)
 (-D ROW: USE 2TS-XX-D)
 (-S ROW: USE 2TS-XX-SV)
 (.190 MIN BOARD SPACE)

*-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)
(*SEE NOTE 12)
(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)

—XXX: POLARIZED POSITION
(SPECIFY OMITTED PIN)

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

PATENT NUMBERS
5713755 / 5961339



IN-PROCESS

EXSPROD\ASSEMBLY\2M
TM 011

santec

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

MADE BY:
BRYANT 3-8-93

77-XX-XX-XXX-X-XXX-SM-XXX-XX-X-X

MATERIAL:
INSULATOR:
LIQUID CRYSTAL POLYMER
COLOR: BLACK

TERMINALS:
PHOSPHOR BRONZE