

DO NOT
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NOTES:

1. \odot REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM POST HEIGHT VARIATION: .005[0.13].
3. LOAD PARTS POS 1 IN SAME DIRECTION AS ARROW.
4. TUBE POSITIONS 03 THRU 50.
5. TAPE & REEL AVAILABLE ON POSITION 02 THRU 28 ONLY.
LEADS MAY NOT BE VISIBLE FOR CUSTOMER'S VISUAL
INSPECTION ON SMALLER POSITIONED PARTS WHEN USED
WITH THE -P OR -M OPTIONS.
6. MEASURE AT BEND RADIUS.
7. MINIMUM PUSHOUT FORCE: 3 LBS.
8. FOR -TV USE T-31724-01.
9. 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.
10. ONLY AVAILABLE ON -01-DV OPTION, MATES ONLY WITH
SSM, SSW, SSQ, BCS, ESW AND ESQ.
11. MAXIMUM ALLOWABLE CUT FLASH .010[0.25],
.015[0.38] ALLOWED TOWARDS TAILS.
12. THIS DIMENSION TO BE MEASURED RELATIVE TO DATUM -Z.

TABLE 5		
MOUNT STYLE	POSITIONS	COPLANARITY
-DV	-02 THRU -05	.004 [0.10]
	-06 THRU -10	.005 [0.13]
	-11 THRU -50	.006 [0.15]
-TV & -TM	-02 THRU -10	.004 [0.10]
	-11 THRU -20	.005 [0.13]
	-21 THRU -30	.006 [0.15]

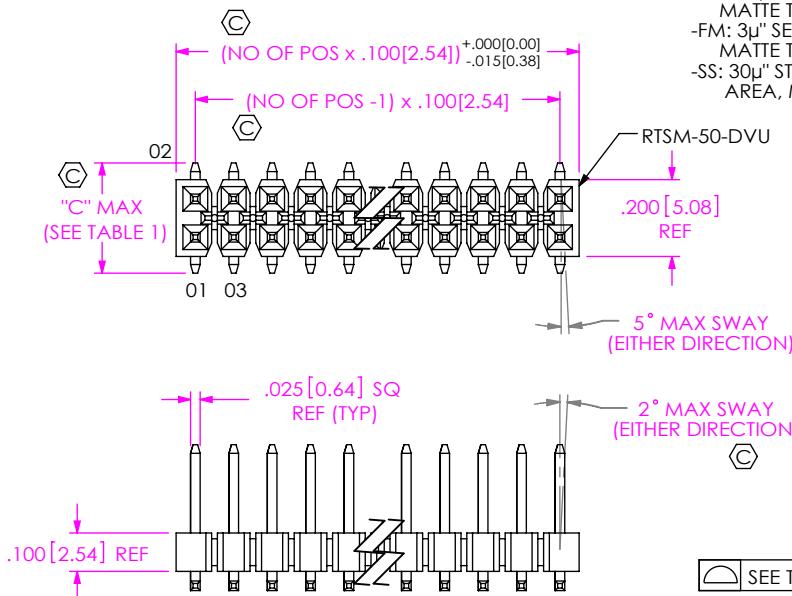


FIG 1
TSM-1XX-XX-XXX-DV SHOWN

TABLE 1

TABLE 1						
LEAD STYL	MOUNT STYLE	"B"	"C"	"D"	TERMINAL	OVERALL PIN LENGTH
-01	-DV	0.230 [5.84]	0.303 [7.70]	0.280 [7.11]	T-1S6-16-X-2	0.445 [11.30] REF
	-TM, -TV	0.230 [5.84]	—	—	T-1S6-17-X-2	0.480 [12.19] REF
-02	-DV	0.320 [8.13]	0.293 [7.44]	0.370 [9.40]	T-1S6-08-X-2	0.530 [13.46] REF
-03	-DV	0.420 [10.67]	0.293 [7.44]	0.470 [11.94]	T-1S6-15-X-2	0.630 [16.00] REF
-04	-DV	0.120 [3.05]	0.303 [7.70]	0.270 [6.86]	T-1S6-21-X-2	0.335 [8.51] REF
-05	-DV	0.075 [1.91]	0.323 [8.20]	0.270 [6.86]	T-1S6-18-X-2	0.300 [7.62] PEE

TSM-1XX-XX-XXX-XX-X-XXX-X

NO OF POSITIONS
-02 THRU -50

LEAD STYLE (SEE TABLE 1)

PLATING SPECIFICATION

- T: MATTE TIN ON ENTIRE PIN.
- S: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL.
- G: 10μ" SELECTIVE GOLD IN CONTACT AREA,
3μ" SELECTIVE GOLD ON TAIL.
- L: 10μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL.
- TL: TIN/LEAD (90/10) ON ENTIRE PIN.
- STL: 30μ" SELECTIVE GOLD IN CONTACT AREA
TIN/LEAD (90/10) ON TAIL.
- F: 3μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL.
- H: 30μ" SELECTIVE GOLD IN CONTACT AREA,
3μ" SELECTIVE GOLD ON TAIL.
- TM: MATTE TIN ON ENTIRE PIN.
- SM: 30μ" SELECTIVE GOLD IN CONTACT AREA
MATTE TIN ON TAIL.
- LM: 10μ" SELECTIVE GOLD IN CONTACT AREA
MATTE TIN ON TAIL.
- FM: 3μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL.
- SS: 30μ" STRIPE SELECTIVE GOLD IN CONTACT
AREA, MATTE TIN ON TAIL. (SEE NOTE 10)

Technical drawing of a vertical column assembly with the following dimensions and angles labeled in pink text:

- 2° MAX SWAY (EITHER DIRECTION)
- .100 [2.54]
- "B" (SEE TABLE 1 & NOTE 2)
- 3° (SEE NOTE 12)
- 5° (SEE NOTE 12)
- .050±.010 [1.27±0.25] (TYP) (SEE NOTE 6)
- TM: TRIPLE MIXED TECHNOLOGY (USE HTSW-50-T-LCP, AVA)
- * = FOR EXISTING

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES ARE:
DECIMALS ANGL
.XX: $\pm .01$ [.3] 2°
.XXX: $\pm .005$ [.13]
XXXX: $\pm .0020$ [.051]

MATERIAL: DO NOT SCALE DRAWING
INSULATOR: LCP, UL94VO, COLOR: BLACK
TERMINAL: PHOS BRONZE

ED, * **PROPRIETARY NOTE** *

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SCRIPTION: **DOUBLE ROW GULLWING ASM**

ION: DOUBLE ROW GULLWING ASM

3

WG. NO. TSM-1XX-XX-XXX-XX-X-XXX-X

BRYANT 04/24/1991 SHEET 1 OF 3

04/24/1991 STREET 1 OF 3

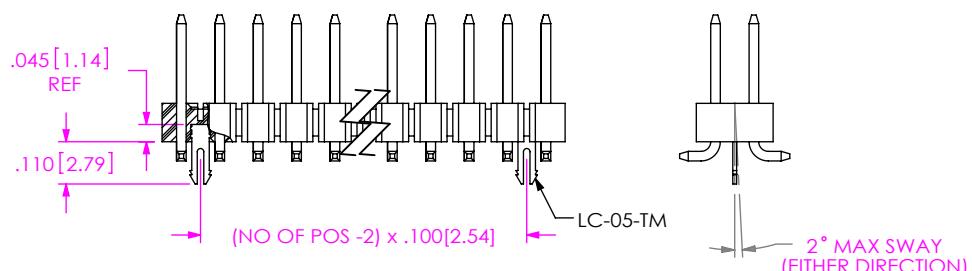


FIG 2
-LC: LOCKING CLIP
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

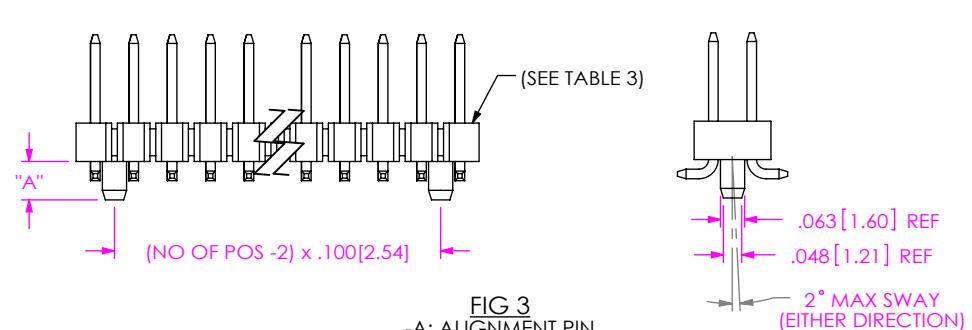


FIG 3
-A: ALIGNMENT PIN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

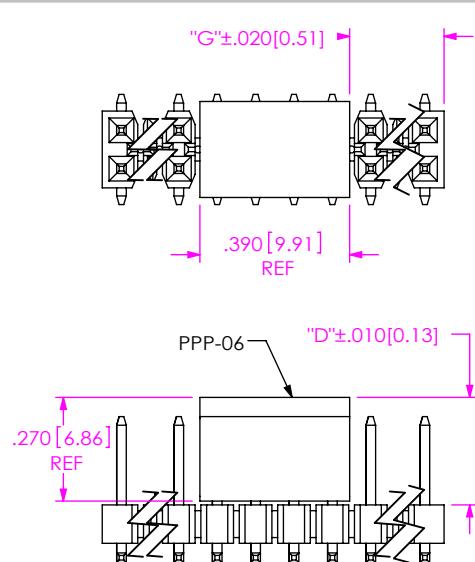


FIG 4
-P: PICK AND PLACE PAD
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
"G" = ((NO OF POS x .100[2.54]) - .390[9.91])/2

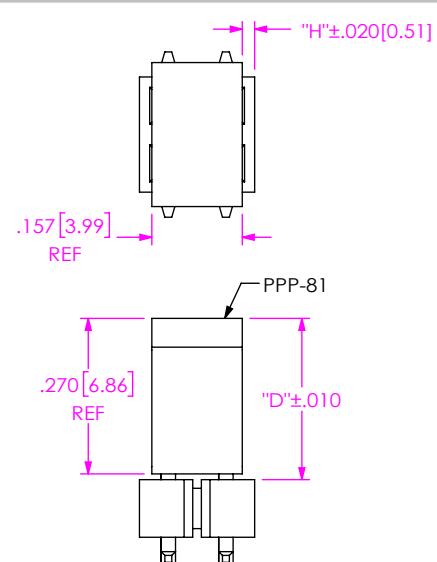


FIG 9
-P: PICK AND PLACE PAD
(-02 POS ONLY)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
"H" = ((NO OF POS x .100[2.54]) - .157[3.99])/2

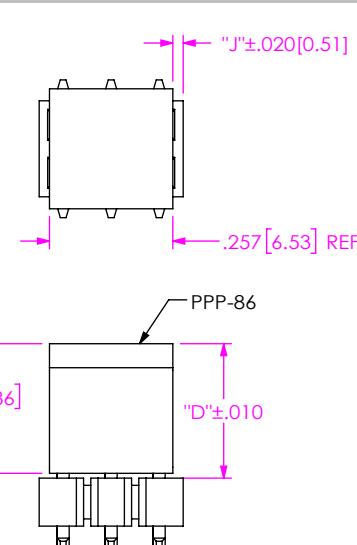


FIG 10
-P: PICK AND PLACE PAD
(-03 POS ONLY)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
"J" = ((NO OF POS x .100[2.54]) - .257[6.53])/2

TABLE 2	
LEAD STYLE	"F"
-01	0.388[9.86]
-04	0.278[7.06]

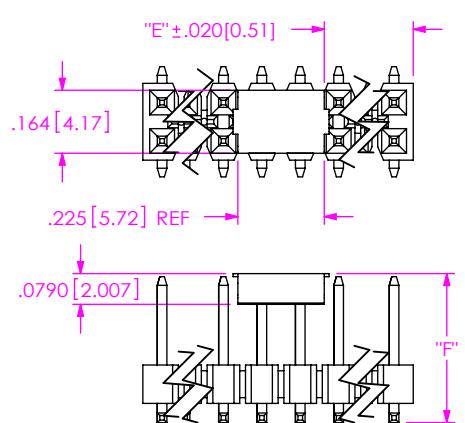


FIG 5
-M: METAL PICK AND PLACE PAD
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
"E" = ((NO OF POS x .100[2.54]) - .225[5.72])/2

NOTE:
HAND FILL USE LMP-01
MACHINE FILL USE LMP-01

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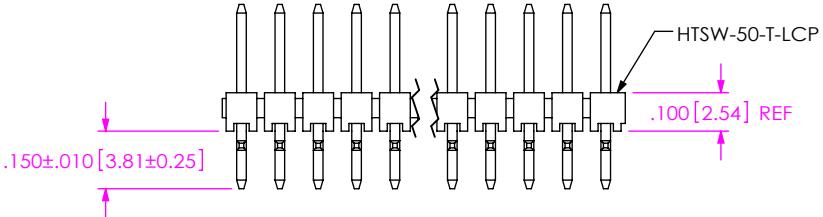
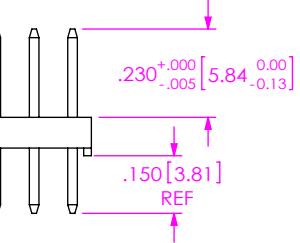
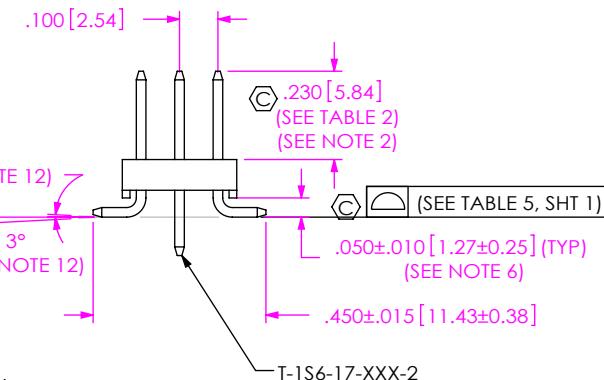


FIG 6
-TM: TRIPLE MIXED TECHNOLOGY
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



IN-PROCESS
-TM MOUNT STYLE

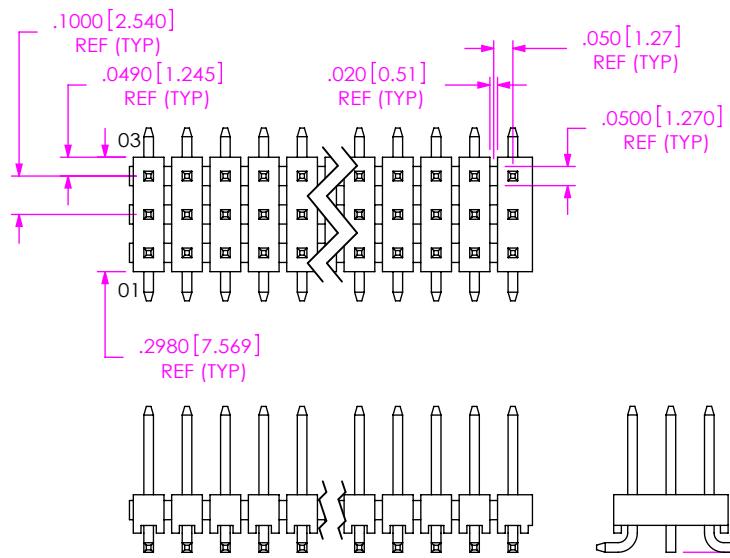


FIG 7
-TV: TRIPLE VERTICAL
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)
FOR EXISTING CUSTOMERS ONLY

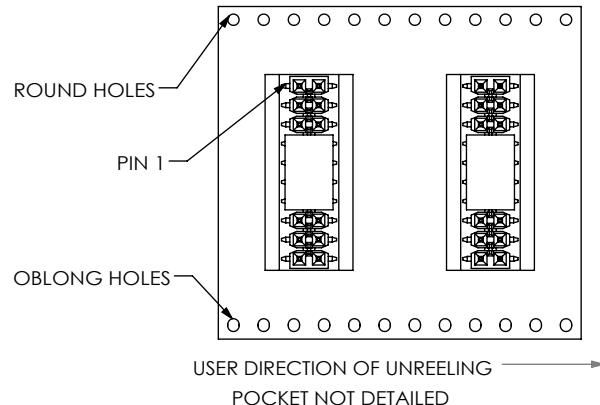
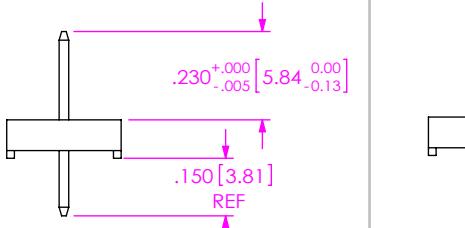
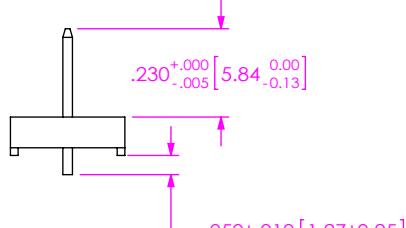


FIG 8
PACKAGING VIEWS

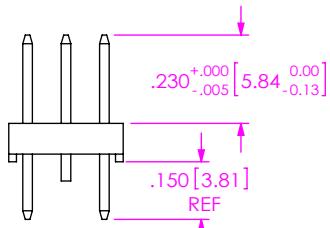
TABLE 4					
LEAD STYLE	MOUNT STYLE	OPTION	TUBE	PLUG	NOTE
01, 02, 04, 05	-DV	NONE	PT-1-24-01-29	TP-03	4
01, 02	-DV	-LC, -A	PT-1-24-01-29	TP-03	4
01, 04, 05	-DV	-P	PT-1-24-06-29	TP-03	4
01, 04, 05	-DV	-LC-P, -A-P	PT-1-24-06-29	TP-03	4
02	-DV	-P	PT-1-24-15-29	TP-07	4
02	-DV	-LC-P, -A-P	PT-1-24-15-29	TP-07	4
03	-DV	NONE	PT-1-24-09-29	TP-03	4
03	-DV	-LC, -A	PT-1-24-09-29	TP-03	4
03	-DV	-P	PT-1-24-16-29	TP-03	4
03	-DV	-LC-P, -A-P	PT-1-24-16-29	TP-03	4
04, 05	-DV	-LC, -A	PT-1-24-03-15	TP-03	4
01, 04, 05	-DV	-M, -LC-M, -A-M, -LC-A-M	PT-TSM004-DV	TP-03	4
01	-TM	NONE	PT-1-24-02-08	TP-13	4
01	-TV	NONE	PT-1-24-01-70	TP-07	4



IN-PROCESS 1
-TV MOUNT STYLE



IN-PROCESS 2
-TV MOUNT STYLE



IN-PROCESS 3
-TV MOUNT STYLE