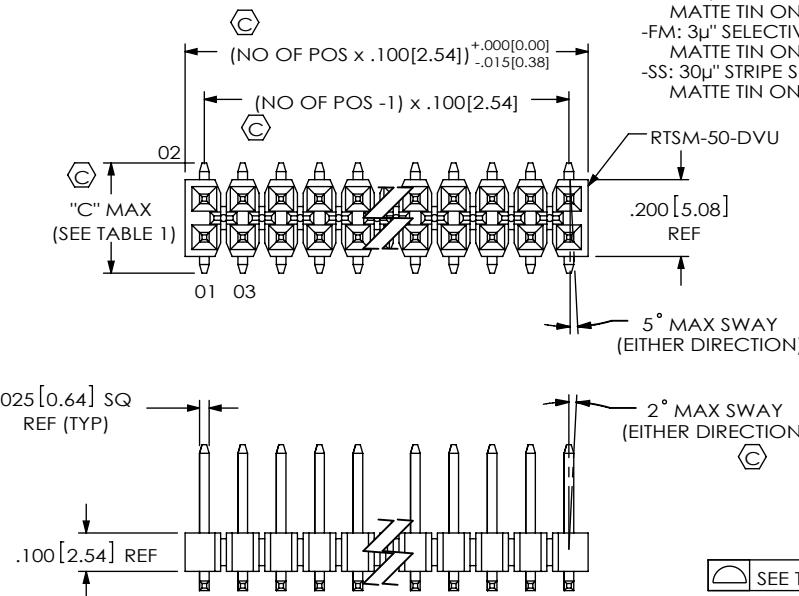
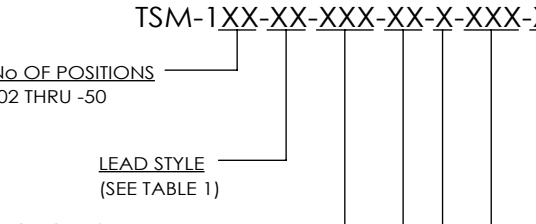


## NOTES:

1.  $\diamond$  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 CUT FLASH: .005[0.13].
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

## PLATING SPECIFICATION

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

RTSM-50-DVU

.200 [5.08]  
REF5° MAX SWAY  
(EITHER DIRECTION)2° MAX SWAY  
(EITHER DIRECTION)SEE TABLE 5  
 $\diamond$  $\diamond$

REVISION DK

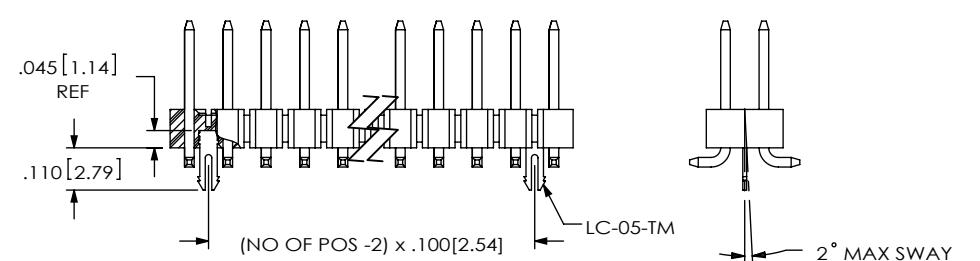


FIG 2  
-LC: LOCKING CLIP  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 3			
	"A"	BODY	MIN NO OF POS
MOLDED	.100[2.54] REF	RTSM-50-DVU-XX	2
*STAKED	.100[2.54]	RTSM-50-DVU-XX	5

\* = USE TWO SM-AH'S

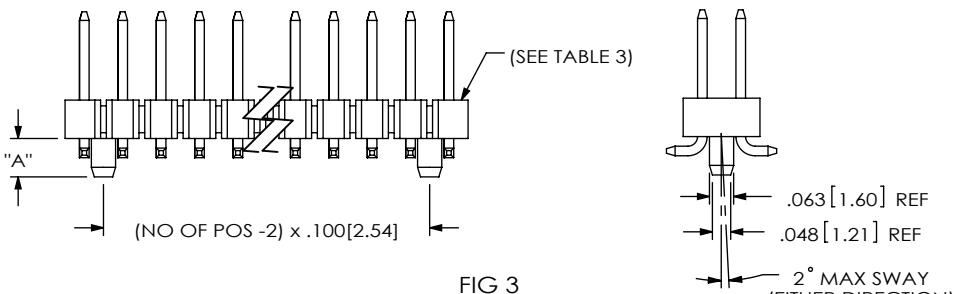


FIG 3  
-A: ALIGNMENT PIN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

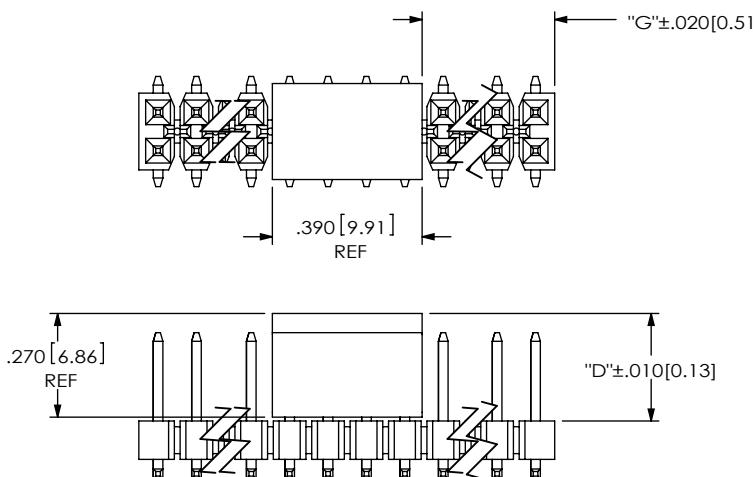


FIG 4  
-P: PICK AND PLACE PAD  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

$$"G" = ((NO OF POS x .100[2.54]) - .390[9.91])/2$$

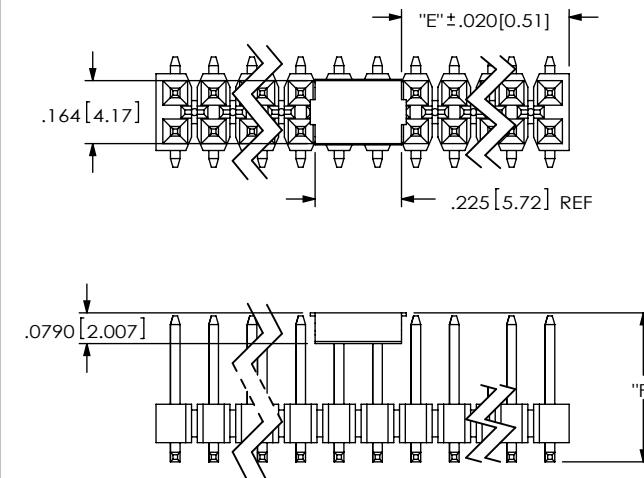


FIG 5  
-M: METAL PICK AND PLACE PAD  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
"E" = ((NO OF POS x .100[2.54]) - .225[5.72]) / 2

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

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

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**samtec**

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DESCRIPTION: DOUBLE ROW GULLWING ASM

DWG. NO.

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

BY: BRYANT 04/24/1991 SHEET 2 OF 3

REVISION DK

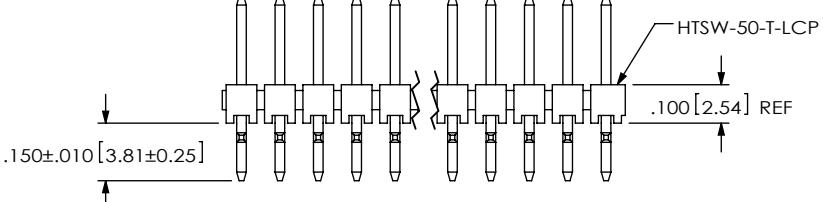


FIG 6  
-TM: TRIPLE MIXED TECHNOLOGY  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

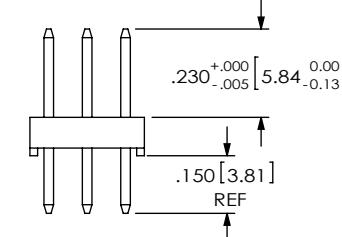
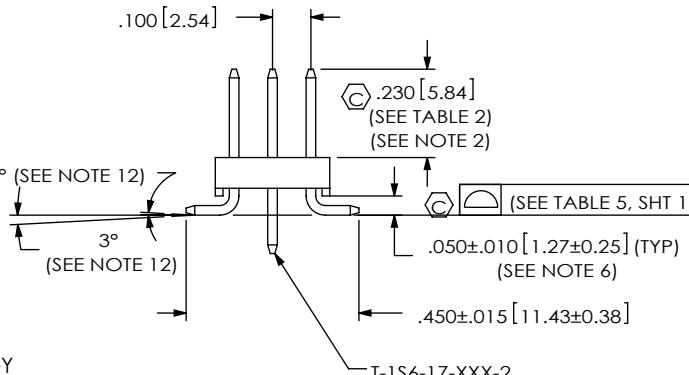
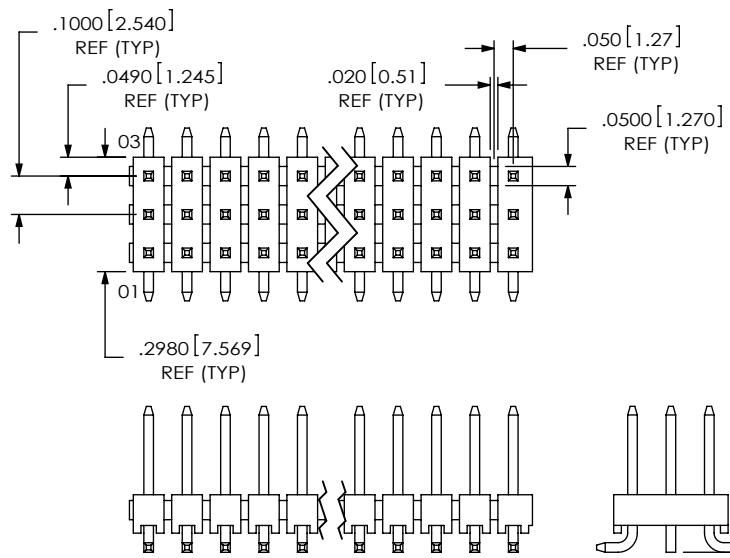
IN-PROCESS  
-TM MOUNT STYLE

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

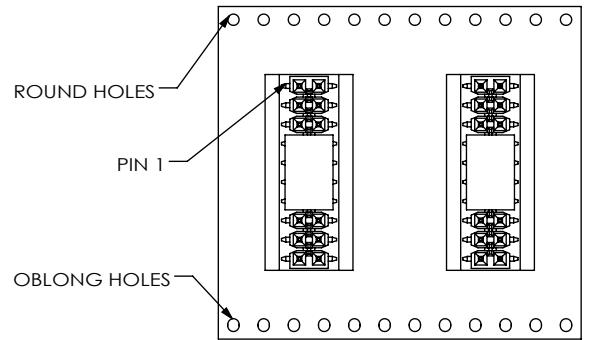
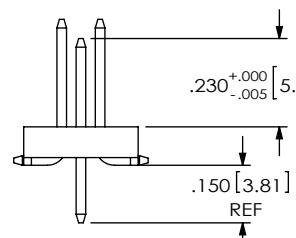
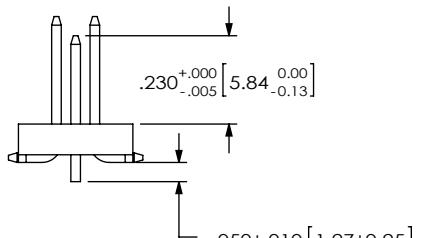
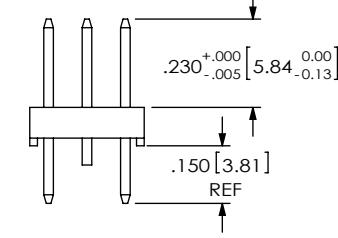
FIG 8  
PACKAGING VIEWS

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	-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 STYLEIN-PROCESS 2  
-TV MOUNT STYLEIN-PROCESS 3  
-TV MOUNT STYLE

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BY: BRYANT 04/24/1991 SHEET 3 OF 3