REVISION DM

DO NOT **SCALE FROM** THIS PRINT

NOTES:

- 1. © 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					
	-02 THRU -05	.004 [0.10]					
-DV	-06 THRU -10	.005 [0.13]					
	-11 THRU -50	.006 [0.15]					
	-02 THRU -10	.004 [0.10]					
-TV & -TM	-11 THRU -20	.005 [0.13]					
	-21 THRU -30	.006 [0.15]					

01 03

(SEE TABLE 1

.100 [2.54] REF

0.230 [5.84]

0.230 [5.84]

0.320 [8.13]

0.420 [10.67]

0.120 [3.05]

0.075 [1.91]

LEAD STYL MOUNT STYLE

-01

-02

-03

-04

-05

-DV

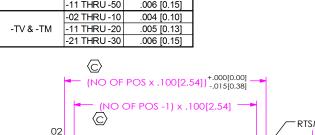
-TM, -TV

-DV

-DV

-DV

-DV





<u>"D'</u>

0.280 [7.11]

0.370 [9.40]

0.470 [11.94]

0.270 [6.86]

0.270 [6.86]

TERMINAL

T-1S6-16-X-2

T-1S6-17-X-2

T-1S6-08-X-2

T-1S6-15-X-2

T-1S6-21-X-2

T-1S6-18-X-2



TABLE 1

0.303 [7.70]

0.293 [7.44]

0.293 [7.44]

0.303 [7.70]

0.323 [8.20]

TSM-1XX-XX-XXX-XX-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: 10u" 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, 3u" SELECTIVE GOLD ON TAIL.
- -TM: MATTE TIN ON ENTIRE PIN.

.200 [5.08]

REF

- -SM: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- -LM: 10u" 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)

RTSM-50-DVU

2° MAX SWAY (EITHER DIRECTION) .100 2.54 (SEE TABLE 1 & NOTE 2) 3° (SEE NOTE 12) $0.50 \pm 0.10 \begin{bmatrix} 1.27 \pm 0.25 \end{bmatrix}$ (TVP) 5° (SEE NOTE 12)

OPTION #3

(NOT AVAILABLE WITH -TV & -TM MOUNT STYLES) -P: PICK AND PLACE PAD (POS -04 THRU -36, 50 USE PPP-06,

SEE FIG4, SHT 2) (POS -02 & -03, ÚSE PPP-81, SEE FIG 9, SHT 2)

*-M: METAL PICK AND PLACE PAD

* FOR EXISTING CUSTOMERS ONLY

(USE LMP-01, SEE FIG 5, SHT 2) (NOT RECOMMENDED WITH -T OR -TM PLATING) (LEAD STYLES -01 & -04 ONLY) (AVAILABLE ON POS 04 THRÚ 36)

(AVAILABLE ON POS 02 AND 03 WITH -TR

OPTION ONLY, SEE NOTE 5) -TR: TAPE AND REEL (SEE FIG 8, SHT 3) (02 THRU 28 POS)

OPTION #2

POLARIZED POSITION SPECIFY OMITTED PIN

OPTION #1

(AVAILABLE FOR -DV MOUNT STYLE ONLY)

-LC: LOCKING CLIP (SEE FIG 2, SHT 2) (USE LC-05-TM) (-03 THRU -36 POS, USE 2 PER STRIP)

(-02 POS, USE 1 PER STRIP)

(USE RTSM-XX-DVU) (SEE NOTE 9)

-A: ALIGNMENT PIN (SEE FIG 3, SHT 2)

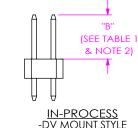
(FOR MOLDED TO POSITION, USE RTSM-XX-DVU-XX BODY) (FOR STAKED, USE RTSM-50-DVU BODY, 5 POS MIN) (LEAVE BLANK FOR NO HOLD DOWN OPTION)

USE RTSM-50-DVU SEE FIG 1, CAN BE CUT TO POSITION)

MOUNT STYLE

- -DV: DOUBLE VERTICAL
- * -TV: TRIPLE VERTICAL (-02 THRU -30 ONLY) (USE HTSW-50-T-LCP, SEE NOTE 8)
- -TM: TRIPLE MIXED TECHNOLOGY (-02 THRU -30 ONLY) (USE HTSW-50-T-LCP, AVAILABLE ON -01 LEAD STYLE ONLY)

* = FOR EXISTING CUSTOMERS ONLY



7			SEE NOTE 6)	<u>IL</u> -DV
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.XX: ±.01 [.3] .XXX: ±.005 [.13]

.XXXX: ±.0020 [.051]

DECIMALS

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

TERMINAL: PHOS BRONZE

SEE TABLE 5

OVERALL PIN LENGTH

0.445 [11.30] REF

0.480 [12.19] REF

0.530 [13.46] REF

0.630 [16.00] REF

0.335 [8.51] REF

0.300 [7.62] REF

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SHEET SCALE: 2:1

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DESCRIPTION:

DOUBLE ROW GULLWING ASM

DWG. NO.

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

INSULATOR: LCP, UL94VO, COLOR: BLACK

ANGLES

F:\DWG\MISC\MKTG\TSM-1XX-XX-XXX-XX-XXX-X-MKT.SLDDRV

BY: BRYANT

04/24/1991 SHEET 1 OF 3

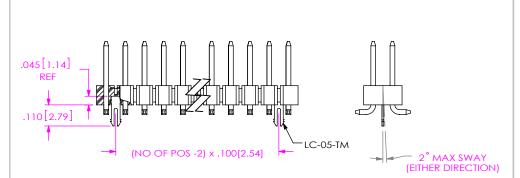


FIG. 2 -LC: LOCKING CLIP (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1)

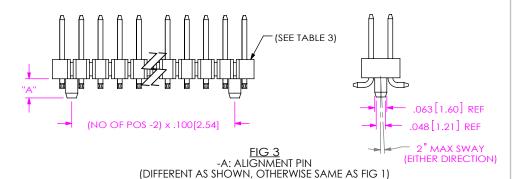
TABLE 3

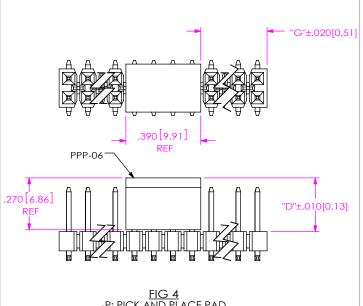
"A" BODY MIN NO OF POS

MOLDED .100[2.54] REF RTSM-50-DVU-X 2

*STAKEL .100[2.54] RTSM-50-DVU-X 5

* = USE TWO SM-AH'S





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

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

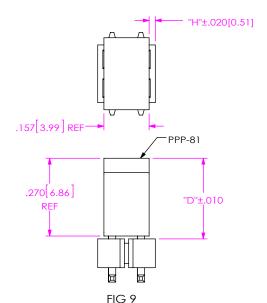


FIG 9
-P: PICK AND PLACE PAD
(-02 & -03 POS ONLY)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
"H" = ((NO OF POS x .100[2.54]) - .157[3.99)/2

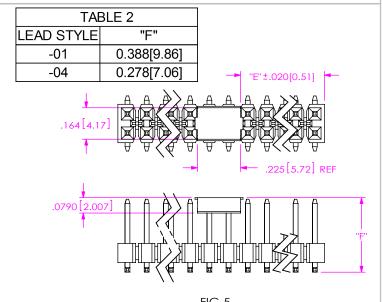


FIG. 5 -M: METAL PICK AND PLACE PAD (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1) "E"=((NO OF POS x .100[2.54]) - .225[5.72]) / 2

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

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SHEET SCALE: 2:1



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DESCRIPTION:

DOUBLE ROW GULLWING ASM

DWG. NO.

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

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

F:\DWG\MISC\MKTG\TSM-1XX-XX-XXX-XX-XXX-X-MKT.SLDDRW

