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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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## REVISION DL

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## NOTES: 1. © REPRESENTS A CRITICAL DIMENSION. TSM-1XX-XX-XXX-XX-XXX-X 2. MAXIMUM POST HEIGHT VARIATION: .005[0.13] 3. LOAD PARTS POS 1 IN SAME DIRECTION ÀS ARROW. 4. TUBE POSITIONS 03 THRU 50. No OF POSITIONS 5. TAPE & REEL AVAILABLE ON POSITION 02 THRU 28 ONLY. -02 THRU -50 OPTION #3 LEADS MAY NOT BE VISIBLE FOR CUSTOMER'S VISUAL (NOT AVAILABLE WITH -TV & -TM MOUNT STYLES) INSPECTION ON SMALLER POSITIONED PARTS WHEN USED -P: PICK AND PLACE PAD WITH THE -P OR -M OPTIONS. 6. MEASURE AT BEND RADIUS. (USE PPP-06, SEE FIG 4, SHT 2) (AVAILABLE ON POS -04 THRU -36, -50) **LEAD STYLE** 7. MINIMUM PUSHOUT FORCE: 3 LBS. (SEE TABLE 1) AVAILABLE ON POS -02 & -03 WITH -TR 8. FOR -TV USE T-31724-01. OPTION ONLY, SEE NOTE 5) 9. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, PLATING SPECIFICATION \*-M: METAL PICK AND PLACE PAD THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. -T: MATTE TIN ON ENTIRE PIN. \* FOR EXISTING CUSTOMERS ONLY SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL -S: 30u" SELECTIVE GOLD IN CONTACT AREA. (USE LMP-01, SEE FIG 5, SHT 2) ASSEMBLIES WITH THE -LC OPTION. MÄTTE TIN ON TAIL. 10. ONLY AVAILABLE ON -01-DV OPTION, MATES ONLY WITH (NOT RECOMMENDED WITH -T OR -TM PLATING) -G: 10µ" SELECTIVE GOLD IN CONTACT AREA, SSM, SSW, SSQ, BCS, ESW AND ESQ. 11. MAXIMUM ALLOWABLE CUT FLASH .010[0.25], (LEAD STYLES -01 & -04 ONLY) 3u" SELECTIVE GOLD ON TAIL. (AVAILABLE ON POS 04 THRÚ 36) -L: 10µ" SELECTIVE GOLD IN CONTACT AREA, .015[0.38] ALLOWED TOWARDS TAILS. (AVAILABLE ON POS 02 AND 03 WITH -TR 12. THIS DIMENSION TO BE MEASURED RELATIVE TO DATUM -Z-. MATTE TIN ON TAIL. OPTION ONLY, SEE NOTE 5) -TL: TIN/LEAD (90/10) ON ENTIRE PIN. -STL: 30µ" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10) ON TAIL. -TR: TAPE AND REEL (SEE FIG 8, SHT 3) TABLE 5 (02 THRU 28 POS) MOUNT STYLE POSITIONS COPLANARITY OPTION #2 -F: 3µ" SELECTIVE GOLD IN CONTACT AREA, .004 [0.10] -02 THRU -05 MATTE TIN ON TAIL POLARIZED POSITION -DV -06 THRU -10 .005 [0.13] -H: 30µ" SELECTIVE GOLD IN CONTACT AREA, SPECIFY OMITTED PIN -11 THRU -50 .006 [0.15] 3µ" SELECTIVE GOLD ON TAIL. -02 THRU -10 .004 [0.10] -TM: MATTE TIN ON ENTIRE PIN. OPTION #1 -TV & -TM -11 THRU -20 .005 [0.13] -SM: 30u" SELECTIVE GOLD IN CONTACT AREA. (AVAILABLE FOR -DV MOUNT STYLE ONLY) MATTE TIN ON TAIL -21 THRU -30 .006 [0.15] LC: LOCKING CLIP (SEE FIG 2, SHT 2) -LM: 10µ" SELECTIVE GOLD IN CONTACT AREA (USE LC-05-TM) MATTE TIN ON TAIL. -03 THRU -36 POS, USE 2 PER STRIP) $\langle \mathbb{C} \rangle$ -FM: 3µ" SELECTIVE GOLD IN CONTACT AREA, -02 POS, USE 1 PER STRIP) (NO OF POS x .100[2.54]) -.015[0.38] MATTE TIN ON TAIL. (USE RTSM-XX-DVU) -SS: 30µ" STRIPE SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL. (SEE NOTE 10) (SEE NOTE 9) -A: ALIGNMENT PIN (SEE FIG 3, SHT 2) (NO OF POS -1) x .100[2.54] (FOR MOLDED TO POSITION, USE RTSM-XX-DVU-XX BODY) FOR STAKED, USE RTSM-50-DVU BODY, 5 POS MIN) RTSM-50-DVU 02 (LEAVE BLANK FOR NO HOLD DOWN OPTION) USE RTSM-50-DVU SEE FIG 1, CAN BE CUT TO POSITION) .200 [5.08] MOUNT STYLE (SEE TABLE 1 REF -DV: DOUBLE VERTICAL \* -TV: TRIPLE VERTICAL (-02 THRU -30 ONLY) (USE HTSW-50-T-LCP, SEE NOTE 8) 01 03 -TM: TRIPLE MIXED TECHNOLOGY (-02 THRU -30 ONLY) 2° MAX SWAY (USE HTSW-50-T-LCP, AVAILABLE ON -01 LEAD STYLE ONLY) 5° MAX SWAY (EITHER DIRECTION) (EITHER DIRECTION) \* = FOR EXISTING CUSTOMERS ONLY .100 [2.54] .025[0.64] SQ MAX SWAY REF (TYP) (EITHER DIRECTION) $\langle \mathbb{C} \rangle$ (SEE TABLE 1 (SEE TABLE 1 & NOTE 2) & NOTE 2) .100[2.54] REF 3° (SEE NOTE 12) -Z-SEE TABLE 5 $\langle C \rangle$ .050±.010[1.27±0.25] (TYP) **IN-PROCESS** 5° (SEE NOTE 12) (SEE NOTE 6) TSM-1XX-XX-XXX-DV SHOWN -DV MOUNT STYLE UNLESS OTHERWISE SPECIFIED. THIS DOCUMENT CONTAINS CONFIDENTIAL AND DIMENSIONS ARE IN INCHES. PROPRIETARY INFORMATION AND ALL DESIGN, TOLERANCES ARE: AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC. DECIMALS **ANGLES** INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE .XX: ±.01 [.3] .XXX: ±.005 [.13] 2° OR PART. TO ANY LINAUTHORIZED PERSON OR ENTITY NOR 520 PARK EAST BLVD, NEW ALBANY, IN 47150 REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY PHONE: 812-944-6733 FAX: 812-948-5047 OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS .XXXX: ±.0020 [.051] e-Mail info@SAMTEC.com

TABLE 1										
LEAD STYL	TYL 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] REF

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DESCRIPTION

DOUBLE ROW GULLWING ASM

DWG. NO

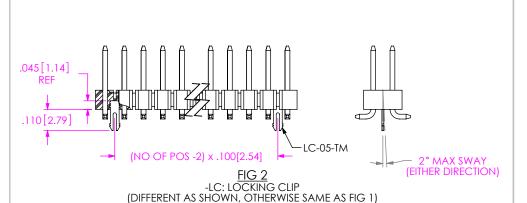
TSM-1XX-XX-XXX-XX-XXX-X

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

TERMINAL: PHOS BRONZE

BY: BRYANT

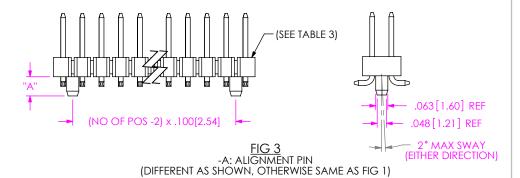
04/24/1991 | SHEET 1 OF 3

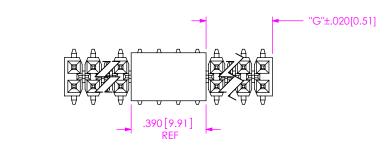


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TABLE 3								
	"A"	BODY	MIN NO OF POS					
MOLDED	.100[2.54] REF	RTSM-50-DVU-X	2					
*STAKED	.100[2.54]	RTSM-50-DVU-X	5					
* - LISE TWO SM ALI'S								

\* = USE TWO SM-AH'S





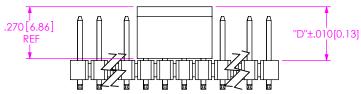
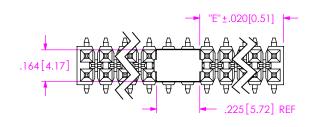


FIG 4
-P: PICK AND PLACE PAD
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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



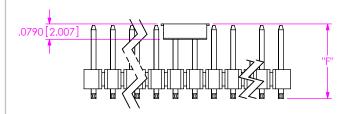


FIG 5 -M: METAL PICK AND PLACE PAD (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1) "E"=((NO OF POS x .100[2.54]) - .225[5.72]) / 2

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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DESCRIPTION:

DOUBLE ROW GULLWING ASM

DWG. NO.

TSM-1XX-XX-XXX-XX-XXX-X BY: BRYANT 04/24/1991 SHEET 2 OF 3

