



**THE DATASHEET OF
TSM-103-01-L-SV-P-TR**



TABLE 1						
STYLE	"B"	"C"	"D" MAX	"E"	"F"	TERMINAL
-01	.230[5.84]	.280[7.11]	.208[5.28]	.445[11.30]	.165 [4.19]	T-1S6-16-X-2
-02	.320[8.13]	.370[9.40]	.205[5.20]	.530[13.46]	.165 [4.19]	T-1S6-08-X-2
-03	.420[10.67]	.470[11.94]	.205[5.20]	.630[16.00]	.165 [4.19]	T-1S6-15-X-2
-04	.120[3.05]	.270[6.86]	.208[5.28]	.335[8.51]	.050 [1.27]	T-1S6-21-X-2
-05	.075[1.91]	.270[6.86]	.223[5.66]	.300[7.62]	.050 [1.27]	T-1S6-18-X-2

DO NOT SCALE FROM THIS PRINT

TSM-1XX-XX-XXX-SV-XX-XXX-XX

No OF POSITIONS
-02 THRU -50

LEAD STYLE
SEE TABLE 1

PLATING SPECIFICATION

- T: MATT TIN CONTACT AND TAIL
- S: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
- G: GOLD, 10 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL
- L: LIGHT SELECTIVE, 10 Au / 50 Ni MIN ON CONTACT, MATTE TIN ON TAIL
- F: FLASH SELECTIVE, 3 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
- H: HEAVY GOLD, 30 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL
- TL: TIN / LEAD (90/10+/-5%) CONTACT AND TAIL [LEAD STYLE -01 & -02 ONLY]
- STL: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT, TIN/LEAD (90/10+/-5%) TAIL [LEAD STYLE -01 & -02 ONLY]
- TM: MATTE TIN CONTACT AND TAIL
- SM: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
- LM: LIGHT SELECTIVE, 10 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
- FM: FLASH SELECTIVE, 3 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
- SS: STRIPE SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL (SEE NOTE 9)

OPTION #3

- P: PICK & PLACE PAD (SEE FIG. 3)
[USE PPP-07] [4 POS MINIMUM OR -02 & -03 POS WITH -TR & -FR] (SEE NOTE 7)
- TR: TAPE & REEL (SEE NOTE 7 & 12) (-02 THRU -22 POS)
- FR: FULL REEL QTY. TAPE & REEL (-02 THRU -22 POS) (SEE NOTE 7 & 11)

OPTION #2

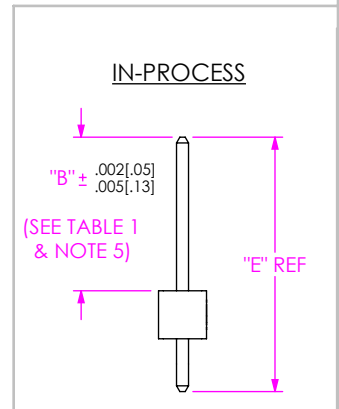
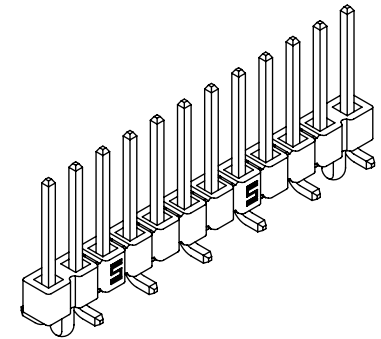
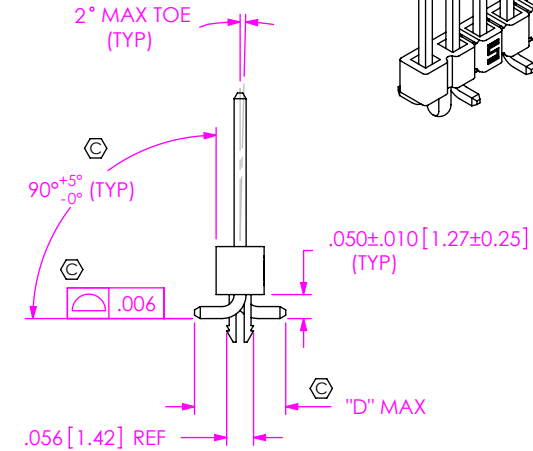
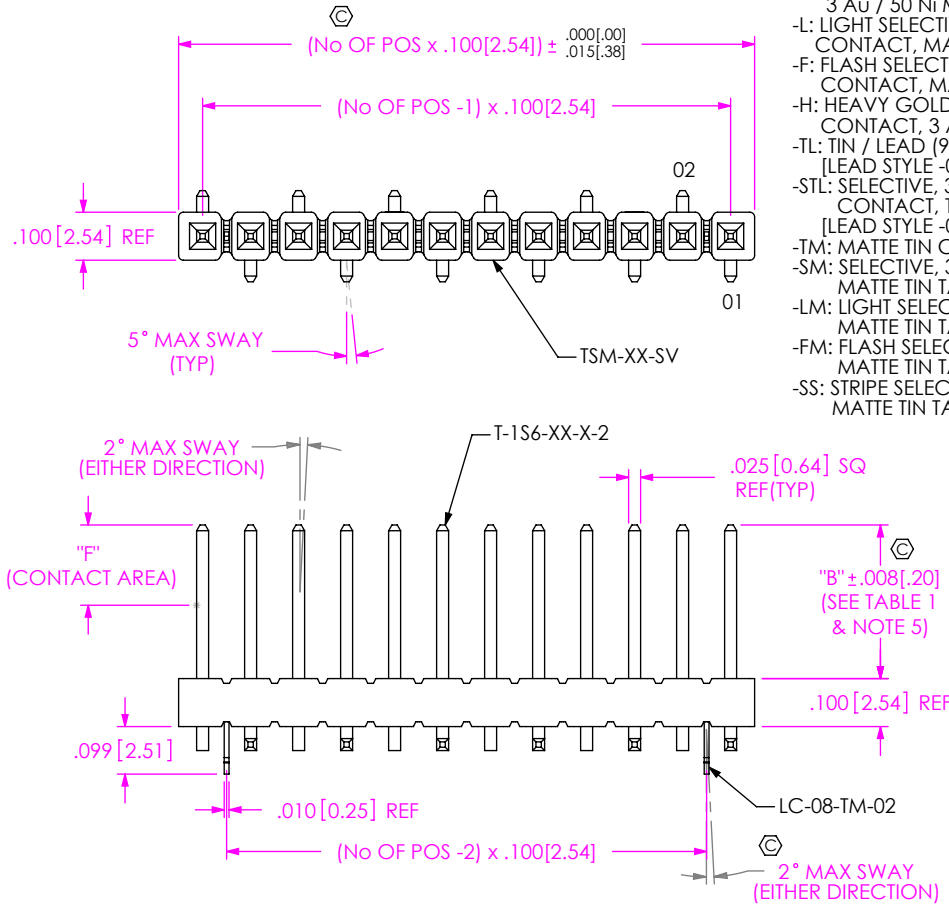
POLARIZED POSITION: SPECIFY PIN OMITTED

OPTION #1

- LC: LOCKING CLIP (SEE FIG. 1) (SEE NOTE 8)
[USE LC-08-TM-02] [-03 THRU -36 POS: 2 PER STRIP, -02 POS: 1 PER STRIP]
- A: ALIGNMENT PIN (SEE FIG. 2)

ROW SPECIFICATION

-SV: SINGLE VERTICAL (USE TSM-XX-SV-XX)



NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY TO BE WITHIN .006[.15].
3. BURR ALLOWANCE: .0015[.038] MAX.
4. MAXIMUM CUT FLASH: .015[.38] MAXIMUM ON TOP & SIDES OF BODY AND .030[.76] MAXIMUM ON SURFACE MOUNT SIDE OF BODY.
5. POST HEIGHT VARIATION BETWEEN ANY TWO PINS: .005[.13] MAXIMUM.
6. MAXIMUM ALLOWABLE BOW: .002[.05] INCH/INCH AFTER ASSEMBLY.
7. LEADS MAY NOT BE VISIBLE FOR CUSTOMER VISUAL INSPECTION WITH -P OPTION ON SMALLER POSITIONS PARTS.
8. 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.
9. -01 LEAD STYLE ONLY, MATES WITH SSW, SSQ, BCS, SSM, ESW, ESQ.
10. MINIMUM PUSHOUT FORCE: 2LB. [8.90 N].
11. -FR OPTIONS WILL BE SHIPPED AT THE MAX QUANTITY PER REEL, BASED ON OPTIONS SELECTED.
12. -TR OPTION ORDERS INVOLVING PARTIAL REEL QUANTITIES MAY BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.

FIG 1
TSM-112-02-XXX-SV-LC SHOWN

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [.3] 2°
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

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MATERIAL: DO NOT SCALE DRAWING

INSULATOR:
LCP, UL 94 VO
COLOR: BLACK

TERMINAL: PHOS BRONZE

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

SHEET SCALE: 2.5:1



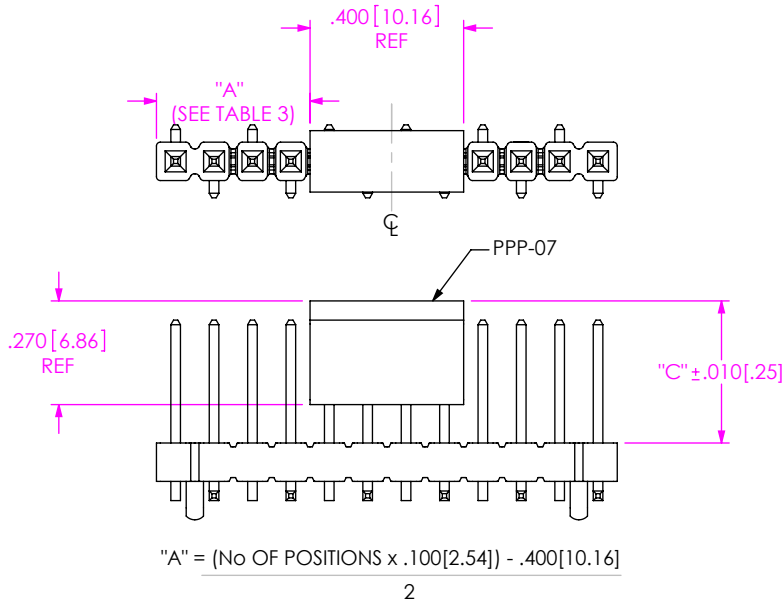
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION: SINGLE ROW .100 SMT ASSEMBLY

DWG. NO. TSM-1XX-XX-XXX-SV-XX-XXX-XX

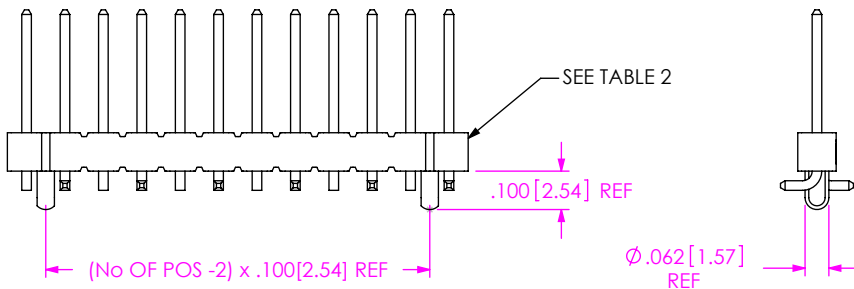
BY: DEAN P 8/21/2002 SHEET 1 OF 2

FIG 3
 -P: PICK & PLACE PAD OPTION
 4 POSITION MINIMUM
 [PLACE PAD ON CENTERLINE AS SHOWN]



POSITION	TOLERANCE
-02 THRU -04	"A" ± .010
-05 THRU -50	"A" ± .020

FIG 2
 -A: ALIGNMENT PIN OPTION
 TSM-112-02-X-SV-A SHOWN
 [DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1]



POSITION	USE BODY
-3	TSM-03-SV-A
-02 & -04 THRU -50	TSM-XX-SV-X

STYLE	OPTION	TUBE	PLUG
-01	----	PT-1-24-02-29 (SEE NOTE 3)	TP-24
-02, -04, -05	----	PT-1-24-02-29 (SEE NOTE 3)	TP-24
-01, -02, -04, -05	-LC, -A	PT-1-24-02-29 (SEE NOTE 3)	TP-24
-01, -04, -05	-P	PT-1-24-05-29	TP-03
-01, -04, -05	-LC-P, -A-P	PT-1-24-05-29	TP-03
-02	-P	PT-1-24-13-29	TP-03
-02	-LC-P, -A-P	PT-1-24-13-29	TP-03
-03	----	PT-1-24-10-29 (SEE NOTE 3)	TP-24
-03	-LC, -A	PT-1-24-10-29 (SEE NOTE 3)	TP-24
-03	-P	PT-1-24-14-29	TP-09
-03	-LC-P, -A-P	PT-1-24-14-29	TP-09

- NOTES:
 1. LOAD PARTS POSITION 1 FIRST IN SAME DIRECTION AS ARROW.
 2. NOTE DELETED
 3. PACKAGE POSITIONS -04 THRU -36.
 4. POLARIZED 4 POSITION PARTS WITHOUT PADS ARE TO BE LAYER PACKAGED OR PACKAGED IN TAPE AND REEL.

FIG 4
 TUBE PACKAGING

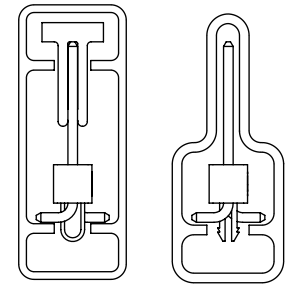
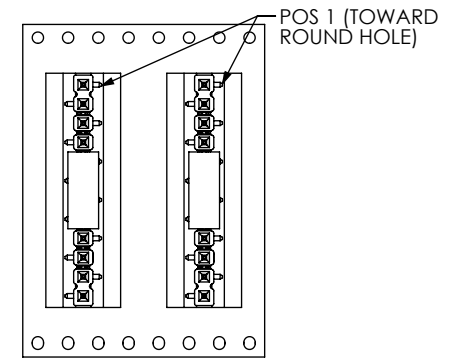
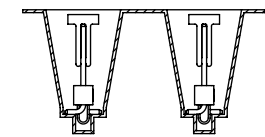


FIG 5
 -TR: TAPE & REEL PACKAGING OPTION



USER DIRECTION OF UN-REELING
 POCKET NOT DETAILED





F:\DWG\MISC\MKTG\TSM-1XX-XX-XXX-SV-XX-XXX-XX-MKT.SLDRW

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	DESCRIPTION: SINGLE ROW .100 SMT ASSEMBLY	DWG. NO. TSM-1XX-XX-XXX-SV-XX-XXX-XX
	BY: DEAN P 8/21/2002	SHEET 2 OF 2

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