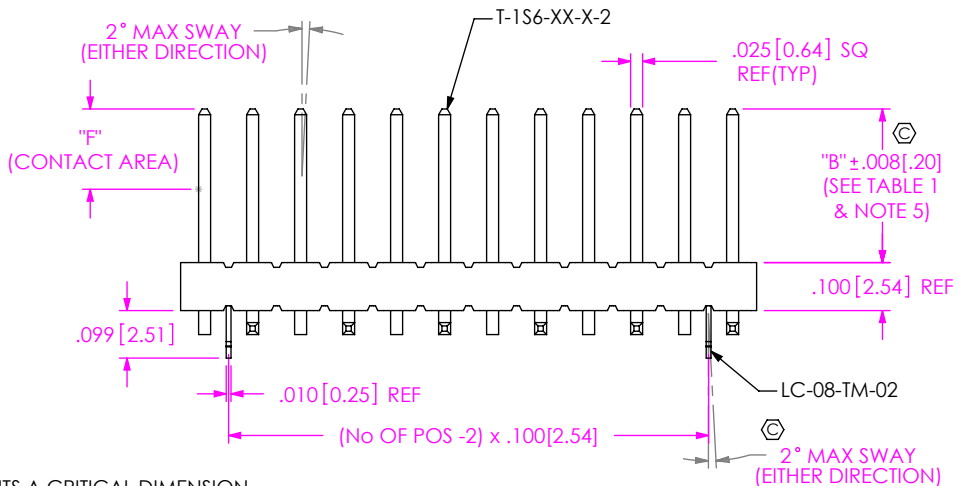
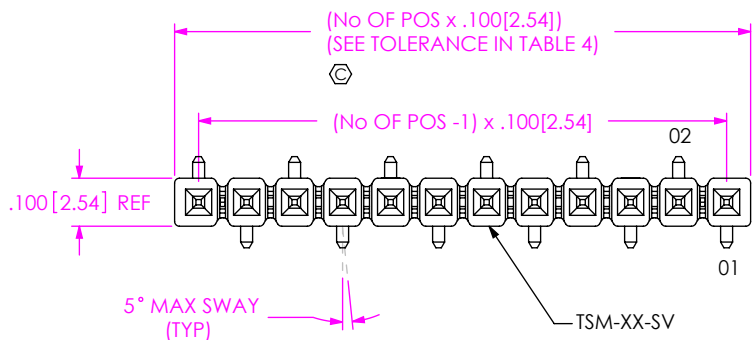


DO NOT SCALE FROM THIS PRINT

| 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 |

| TABLE 4 | |
|-----------------|---------------|
| ASSEMBLY METHOD | TOLERANCE |
| HAND FILL | + .000/- .015 |
| CPP MACHINE | + .000/- .017 |



TSM-1XX-XX-XXX-SV-XX-XXX-X-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)

PACKAGING

- BLANK: TUBE OR LAYER (SEE NOTE 4, SHT 2)
- TR: TAPE & REEL (SEE NOTES 7, 13 & 14)
- FR: FULL REEL QTY. TAPE & REEL (SEE NOTES 7, 13 & 14)
- (-XR IS AVAILABLE FOR -02 THRU -22 POS)

PICK & PLACE OPTION

- P: PICK & PLACE PAD (SEE FIG 3) [USE PPP-07] (4 POS MINIMUM OR -02 & -03 POS WITH -TR & -FR) (SEE NOTE 7)

OPTION #2

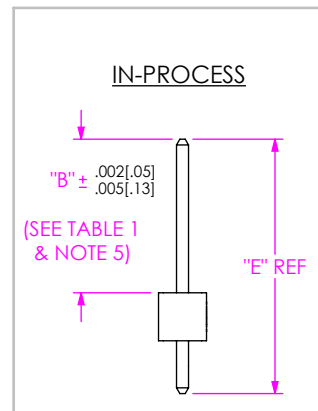
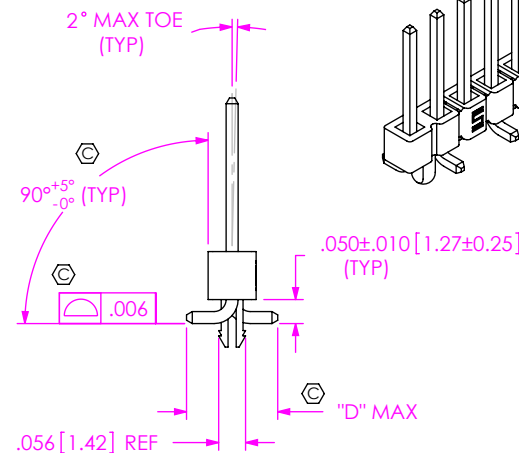
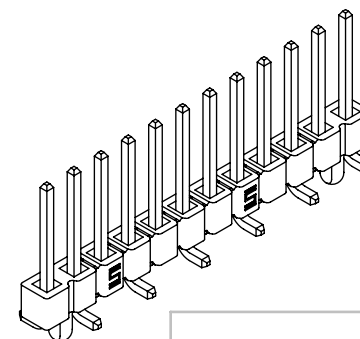
POLARIZED POSITION: SPECIFY PIN OMITTED

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. NOTE DELETED.
12. NOTE DELETED.
13. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
14. ATTACH LABEL TO EACH REEL.

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-X-XX-MKT.SLDDRW

SHEET SCALE: 2.5:1

DESCRIPTION:



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

SINGLE ROW .100 SMT ASSEMBLY

DWG. NO.

TSM-1XX-XX-XXX-SV-XX-XXX-X-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]

"A"=(No OF POSITIONS x .100[2.54]-.400[10.16])/2
(SEE TABLE 3)

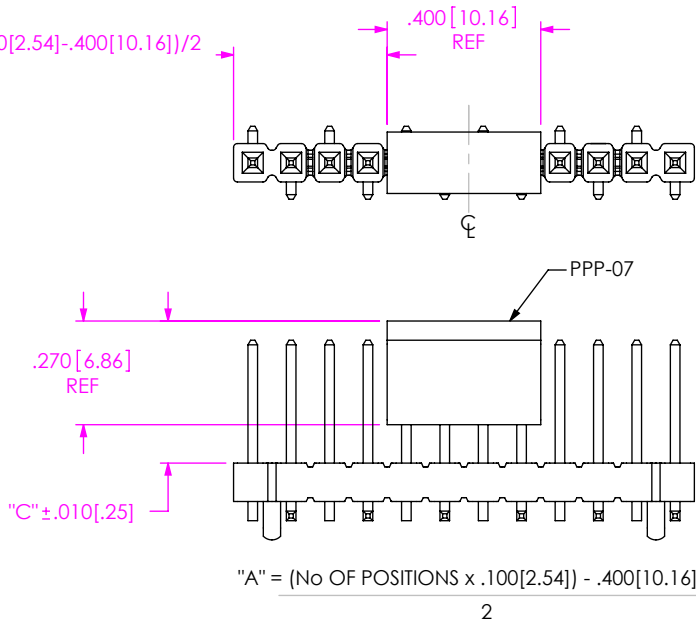


TABLE 3: PICK & PLACE PAD ALIGNMENT

| POSITION | TOLERANCE |
|--------------|--------------|
| -02 THRU -04 | "A" +/- .015 |
| -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]

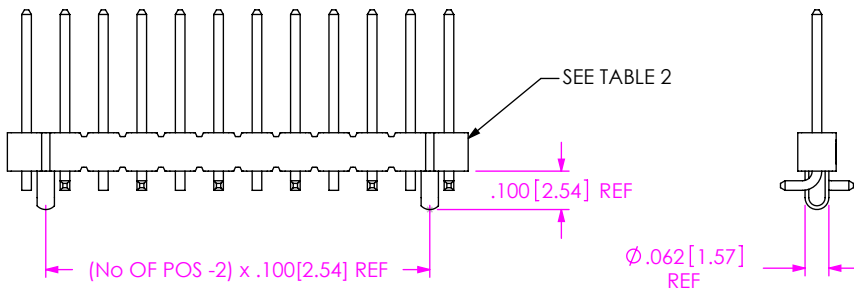


TABLE 2: ALIGNMENT PIN BODY

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

PACKAGING TABLE

| 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

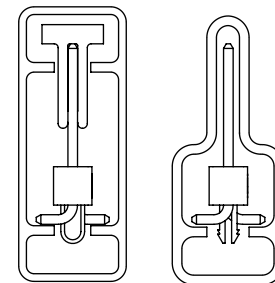
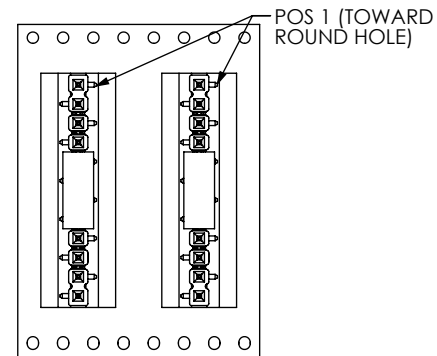


FIG 5

-TR: TAPE & REEL PACKAGNG OPTION



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

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e-Mail info@SAMTEC.com code 55322

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
SINGLE ROW .100 SMT ASSEMBLY

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

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