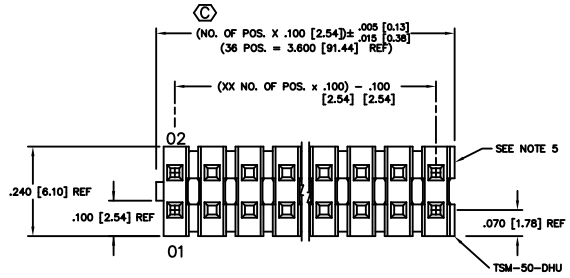
REVISIONS CR

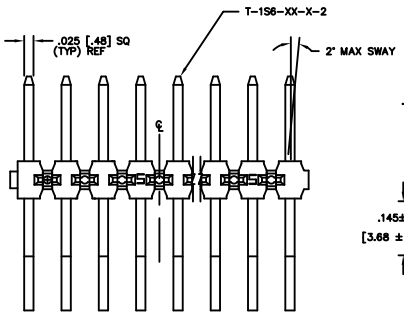
UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES	TOLERANCES ARE:	
ONE PLACE DECIMALS ± .1 [3]	THREE PLACE DECIMALS ± .005 [.13]	ANGLES ± 2°
TWO PLACE DECIMALS ± .01 [.3]	FOUR PLACE DECIMALS ± .0020 [.051]	

TITLE: TERMINAL SRTIP DOUBLE SURFACE MOUNT

DWG NO: TSM-1XX-XX-XXX-XX-XX-XXX-XX

SHEET 1 OF 3





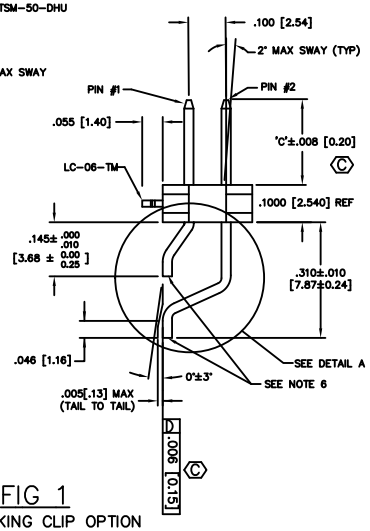


FIG 1

–LC: LOCKING CLIP OPTION

CLIPS N/A WITH –A OPTION.

TABLE 2	
No OF POS	S/S BOW
02 – 10	.0030 [.080]
11 – 20	.0050 [.127]
21 – 30	.0070 [.178]
31 – 36	.0080 [.203]

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

NO. OF POSITIONS –02 THRU –36

LEAD STYLE (SEE TABLE 1)

PLATING SPECIFICATION
- –T: MATTE TIN CONTACT AND TAIL
- –S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- –L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- –F: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- –H: 30μ" HEAVY GOLD IN CONTACT AREA, 3μ" FLASH GOLD ON TAIL
- –TL: TIN/LEAD (90/10+/–5) CONTACT AND TAIL
- –STL: 30μ" SELECTIVE GOLD, ON CONTACT, TIN/LEAD (90/10+/–5) TAIL
- –SM: 30μ" SELECTIVE GOLD, IN CONTACT AREA, MATTE TIN ON TAIL
- –LM: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- –FM: 3μ" FLASH SELECTIVE GOLD, IN CONTACT AREA, MATTE TIN ON TAIL
- –TM: MATTE TIN CONTACT AND TAIL
- –SS: 30μ" STRIPED SELECTIVE GOLD IN CONTACT, MATTE TIN ON TAIL (SEE NOTE 14)

ROW OPTION
- –DH: DOUBLE HORIZONTAL (USE TSM-50-DHU)
- –MT: MIXED TECHNOLOGY (SEE FIG. 4 & TABLE 1) (NOT AVAILABLE WITH –LC, –SL, –TR OR –A OPTIONS)

OPTION #3
- –P: PICK & PLACE PAD, SEE FIG 3 (USE PPP–08) (AVAILABLE ON POS –05 THRU –36) (AVAILABLE ON POS –02 THRU –04 WITH –TR & FR OPTION ONLY) (NOT AVAILABLE WITH –K OPTION)
- –TR: TAPE & REEL (29 POS MAX) (AVAILABLE FOR –DH ONLY)
- –K: POLYIMIDE FILM (SEE FIG 5, SHT 2) (NOT AVAILABLE WITH –P OPTION) (USE K–DOT–.197–.344–.005) (AVAILABLE ON POS –04 THRU –36) (AVAILABLE ON POS –02 THRU –03 WITH –TR & –FR OPTION ONLY)
- –FR: FULL REEL QTY. TAPE & REEL (29 POS MAX)(SEE NOTE 15) (AVAILABLE FOR –DH ONLY)

OPTION #2
POLARIZED POSITION: SPECIFIY OMITTED PIN

OPTION #1
- –LC: LOCKING CLIP (USE LC–06–TM – SEE FIG. 1) (SEE NOTE 13) (03–36 POS USE 2 PER STRIP, 02 POS USE 1 PER STRIP) (USE TSM–XX–DHU) (NOT AVAILABLE WITH –A OR –SL OPTIONS)
- –A: ALIGNMENT PIN (SEE FIG 2, SHT 3) (STAKED: 4 POS MIN) (MOLDED: 2 POS MIN) (NOT AVAILABLE WITH –LC OR –SL OPTIONS) LEAVE BLANK FOR NO HOLD DOWN OPTION.
- –SL: SOLDER LOCK (SEE FIG 6, SHT 2) (2 POSITION MINIMUM) (NOT AVAILABLE WITH –LC OR –A OPTIONS)

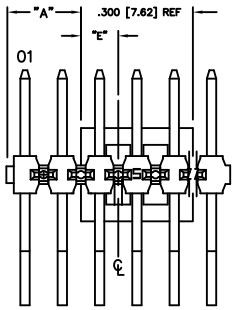
NOTES:
1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. DELETED
3. DELETED
4. DELETED
5. .005 [0.13] MAX CUT FLASH.
6. .002 [0.05] MAX BURR. MUST BE AWAY FROM SMT BOARD SIDE.
7. DELETED
8. CUT TO POSITION BODIES TO BE MULTI–CUT OR ROTO–CUT ONLY, NEVER AIR CUT.
9. TUBE POSITIONS 5–36, BULK PACKAGE POSITIONS 2–4.
10. 3 LBS. MIN PUSHOUT FORCE.
11. –04 LEAD STYLE DOES NOT MATE WITH SSM–DH.
12. ORIENTATION OF PART IN TAPE AND REEL TO BE CONTROLLED BY POCKET DESIGN.
13. 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.
14. –SS OPTION ONLY AVAILABLE IN LEAD STYLE –01 AND CAN ONLY MATE WITH SSW, SSQ, SSM, ESW, ESQ AND BCS.
15. –FR OPTIONS WILL BE SHIPPED AT THE MAX QUANTITY PER REEL, BASED ON OPTIONS SELECTED.

TABLE 1				
ROW OPTION	LEAD STYLE	BOTTOM ROW PIN #1	TOP ROW PIN #2	'C'
–DH	–01	T–1S6–08–X–2	T–1S6–10–X–2	.230 [5.84]
–DH	–02	T–1S6–09–X–2	T–1S6–11–X–2	.320 [8.13]
–DH	–03	T–1S6–09–X–2	T–1S6–20–X–2	.420 [10.67]
–DH	–04 (SEE NOTE 11)	T–1S6–08–X–2	T–1S6–09–X–2	.120 [3.05]
–MT	–01	T–1S6–08–X–2	T–1S6–20–X–2	.230 [5.84]
–MT	–02	T–1S6–15–X–2	T–1S6–20–X–2	.320 [8.13]
–MT	–03	T–1S6–09–X–2	T–1S6–20–X–2	.420 [10.67]

DIFFERENT AS SHOWN.
OTHERWISE SAME AS FIG 1.

FOR EVEN: $"A" = \left[\frac{(\text{NO. OF POS. X } .100\ [2.54]) - .300\ [7.62]}{2}\right] + .050\ [1.27]$

FOR ODD: $"A" = \frac{(\text{NO. OF POS. X } .100\ [2.54]) - .300\ [7.62]}{2}$



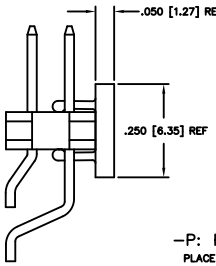


TABLE 3	
POS.	"E"
ODD	.150 [3.81]
EVEN	.100 [2.54]

FIG 3

–P: PICK & PLACE PAD

PLACE PPP–08 ON ℄ AS SHOWN

PROPRIETARY NOTE

MATERIAL:
INSULATOR:
LCP, UL 94 VO
COLOR: BLACK
TERMINALS:
PHOSPHER BRONZE

EXISPROD\ASSEMBLY\100
TSMDH

samtec
520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150
PHONE (812) 944–6733 P.O. BOX 1147
CODE 55322

MADE BY: BRATCHER 7–27–95

TSM-1XX-XX-XXX-XX-XX-XXX-XX
SHEET 1 OF 3