

REVISION CA

DO NOT SCALE THIS DRAWING

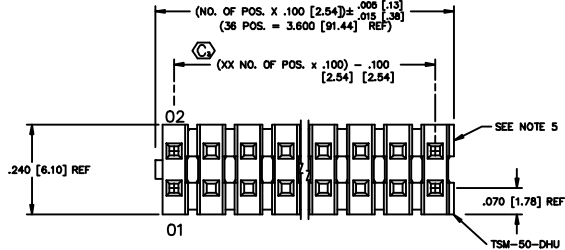
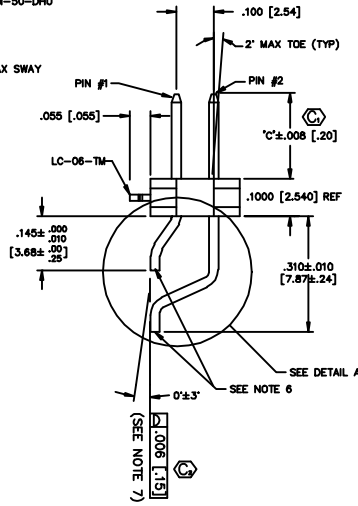
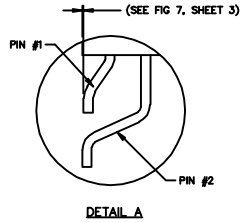


FIG. 1
-LC: LOCKING CLIP OPTION
CLIPS N/A WITH -A OPTION.

ROW OPTION	LEAD STYLE	BOTTOM ROW PIN #1	TOP ROW PIN #2	"C"
-DH	-01	T-156-09-X-2	T-156-20-X-2	.230 [5.84]
-DH	-02	T-156-09-X-2	T-156-20-X-2	.320 [8.13]
-DH	-03	T-156-09-X-2	T-156-20-X-2	.420 [10.67]
-DH	-04 (SEE NOTE 11)	T-156-09-X-2	T-156-20-X-2	.120 [3.05]
-MT	-01	T-156-08-X-2	T-156-20-X-2	.230 [5.84]
-MT	-02	T-156-15-X-2	T-156-20-X-2	.320 [8.13]
-MT	-03	T-156-09-X-2	T-156-20-X-2	.420 [10.67]



NOTES:

- ① REPRESENTS A CRITICAL DIMENSION.
- DELETED
- DELETED
- DELETED
- .005 [.13] MAX CUT FLASH.
- .002 [.51] MAX BURR. MUST BE AWAY FROM SMT BOARD SIDE.
- DELETED
- CUT TO POSITION BODIES TO BE MULTI-CUT OR ROTO-CUT ONLY, NEVER AIR CUT.
- TUBE POSITIONS 5-36, BULK PACKAGE POSITIONS 2-4.
- 3 LBS. MIN PUSHOUT FORCE.
- 04 LEAD STYLE DOES NOT MATE WITH SSM-DH.
- ORIENTATION OF PART IN TAPE AND REEL TO BE CONTROLLED BY POCKET DESIGN.
- 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.
- SS OPTION ONLY AVAILABLE IN LEAD STYLE -01 AND CAN ONLY MATE WITH SSW, SSO, SSM, ESW, ESQ AND BCS.

INDICATED ARE IN INCHES	MILS PER SQUARE INCH	TOLERANCES ARE:	TITLE:	DWG NO.:
ONE PLACE DECIMALS ± .1 [3]	THREE PLACE DECIMALS ± .005 [.13]	ANGLES ± 2'	TERMINAL SRTP DOUBLE SURFACE MOUNT	TSM-1XX-XX-XXX-XX-XX-XXX-XX
TWO PLACE DECIMALS ± .01 [3]	FOUR PLACE DECIMALS ± .0020 [.061]			SHEET 1 OF 3

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

NO. OF POSITIONS
-02 THRU -36

LEAD STYLE
(SEE TABLE 1)

PLATING SPEC.

- T: MATTE TIN, CONTACT AND TAIL
- S: SELECTIVE, 30 Au / 50 NI MIN ON CONTACT, MATTE TIN TAIL
- L: LIGHT SELECTIVE, 10 Au / 50 NI MIN ON CONTACT, MATTE TIN 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
- STL: SELECTIVE, 30 Au / 50 NI MIN ON CONTACT, TIN/LEAD (90/10+/-5%) 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
- TM: MATTE TIN CONTACT AND TAIL
- SS: STRIPED SELECTIVE, 30 Au / 50 NI MIN ON CONTACT, MATTE TIN 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)

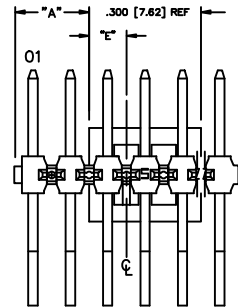
OPTION #1

- 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. 2) (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)

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

DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1.

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



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

FIG. 3
-P: PICK & PLACE PAD
PLACE PPP-08 ON ⊕ AS SHOWN

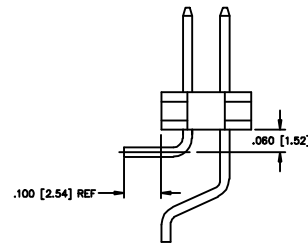
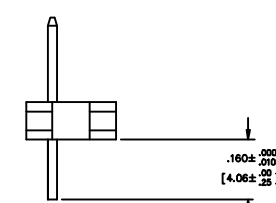
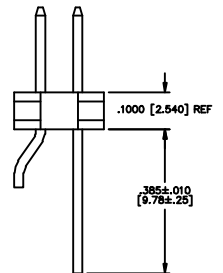


FIG. 4
-MT: MIXED TECHNOLOGY
DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG. 1
(SEE NOTE 7)

IN-PROCESS 1



IN-PROCESS 2



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MATERIAL:
INSULATOR:
LIQUID CRYSTAL POLYMER
COLOR: BLACK
TERMINALS:
PHOSPHOR BRONZE

EXISPROD\ASSEMBLY\100
TSM0H
samtec
520 PARK EAST BLDG. NEW ALBANY, INDIANA 47150
PHONE (812) 944-8733 P.O. BOX 1147
CODE 58322

DATE: 07/95
BRATCHER 7-27-95
TSM-1XX-XX-XXX-XX-XX-XXX-XX
SHEET 1 OF 3

NOTE: "R" = USED MEASURED DIMENSION (REF)
 "S" = $\{("R" - .1969 [5.000]) / 2\} \pm .020 [51]$

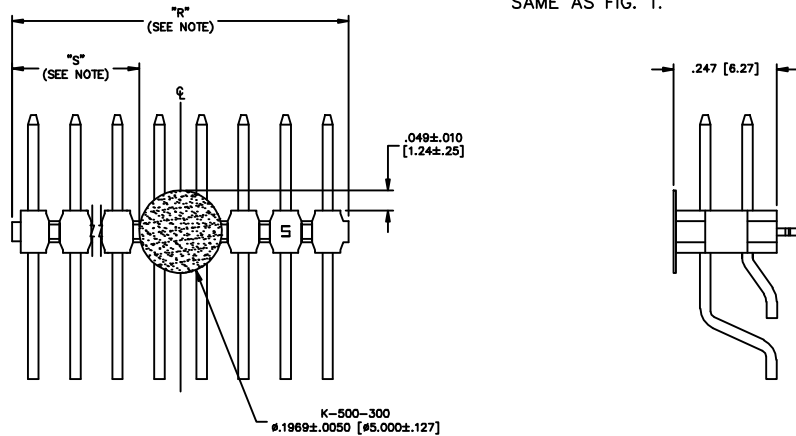
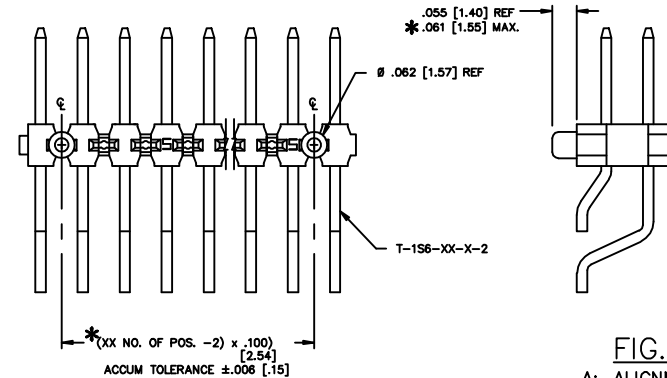


FIG. 5
 -K: POLYIMIDE FILM
 DIFFERENT AS SHOWN, OTHERWISE
 SAME AS FIG. 1.

DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE NOTED		TOLERANCES ARE:		TITLE		DWG NO:
ONE PLACE DECIMALS ± .1 [3]	THREE PLACE DECIMALS ± .005 [13]	ANGLES	± 2°			TERMINAL STRIP DOUBLE SURFACE MOUNT		TSM-XX-XX-XX-XX-XX-XX
TWO PLACE DECIMALS ± .01 [3]	FOUR PLACE DECIMALS ± .0020 [65]							SHEET 2 OF 3



DIFFERENT AS SHOWN, OTHERWISE
 SAME AS FIG. 1.

FIG. 2

-A: ALIGNMENT PIN
 ALIGNMENT PINS APPEAR ON -A OPTION ONLY.
 * STAKED: USE (2) SM-A10H AND TSM-50-DHU
 (CAN BE CUT TO POSITION)
 NOT STAKED: USE TSM-XX-DHU-XX
 (CAN BE CUT TO POSITION)

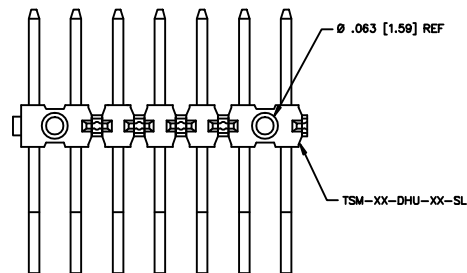
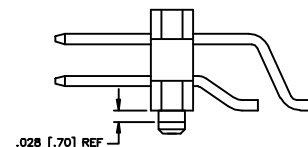
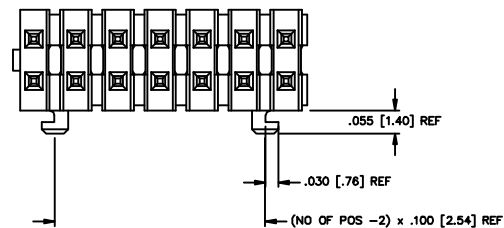


FIG. 6
 -SL: SOLDER LOCK

DIFFERENT AS SHOWN, OTHERWISE
 SAME AS FIG. 1.

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 CODE 65322

MADE BY: BRATCHEX 7-27-95

TSM-XX-XX-XX-XX-XX-XX
 SHEET 2 OF 3

REV. CA

DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE NOTED		TOLERANCES ARE:		TITLE	DWG. NO.
ONE PLACE DECIMALS ± .1 [.3]	TWO PLACE DECIMALS ± .01 [.3]	THREE PLACE DECIMALS ± .005 [.13]	FOUR PLACE DECIMALS ± .0020 [.051]	ANGLES	± 2°	TERMINAL STRIP DOUBLE SURFACE MOUNT	TSM-XX-XX-XX-XX-XX-XX SHEET 3 OF 3

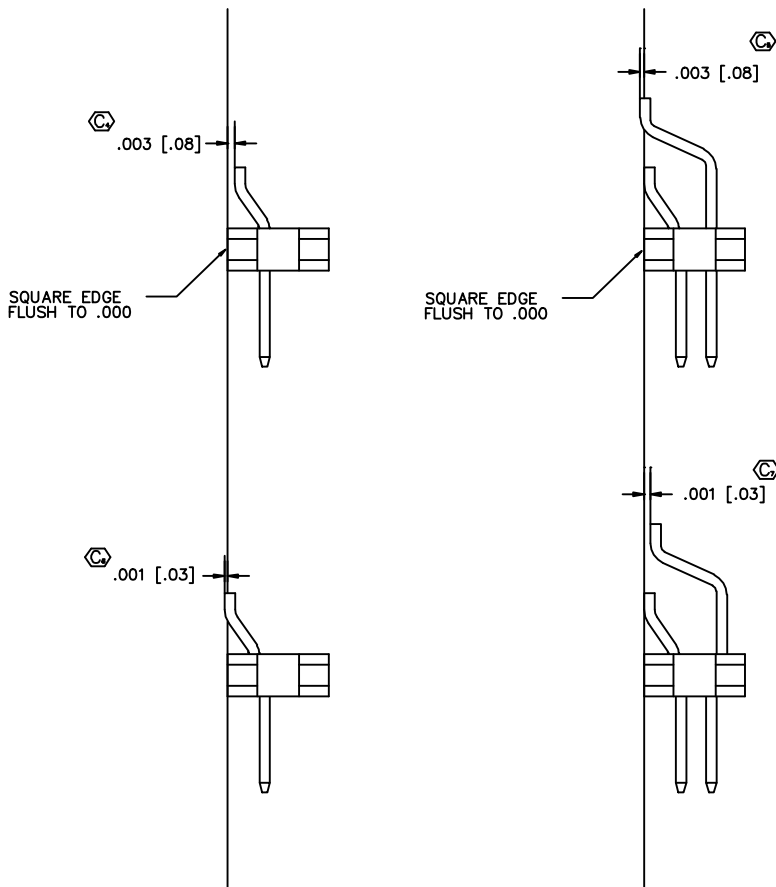
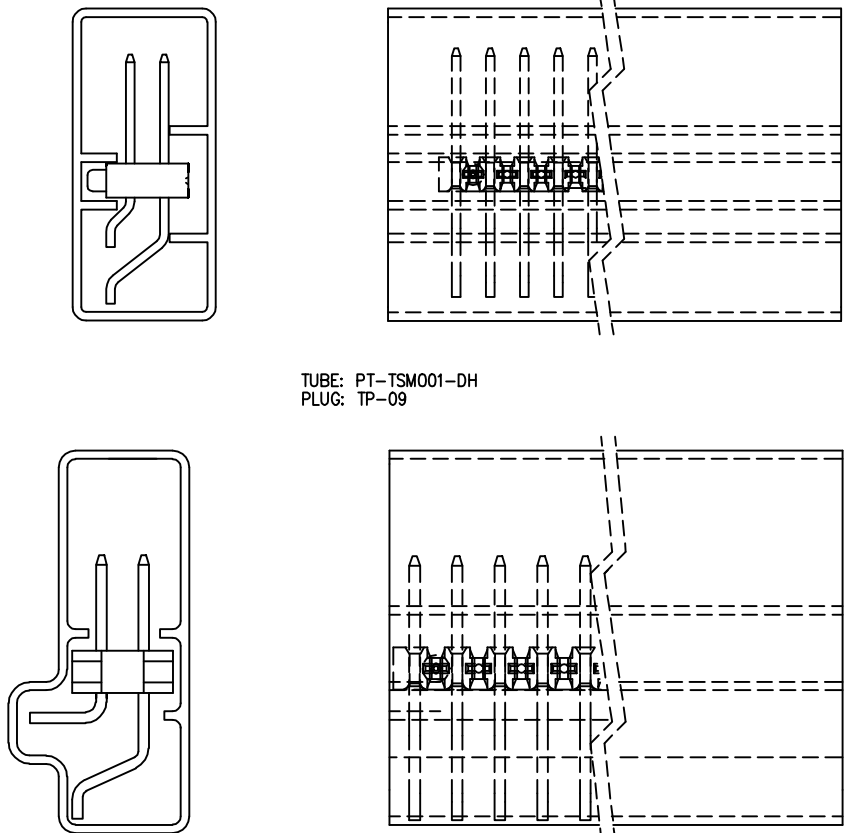


FIG. 7
-DH SURFACEMOUNT DIAGRAM

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SCALE .75



TUBE: PT-TSM001-DH
PLUG: TP-09

-MT OPTION
TUBE: PT-TSM005-DH-MT
PLUG: TP-29

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TSM043

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