

REVISION BY

DO NOT SCALE THIS DRAWING

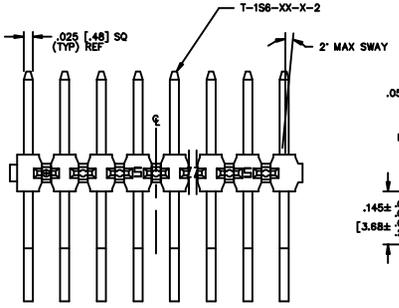
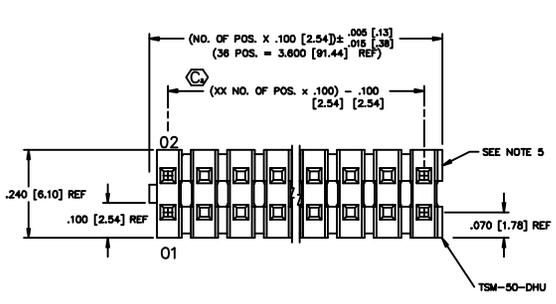
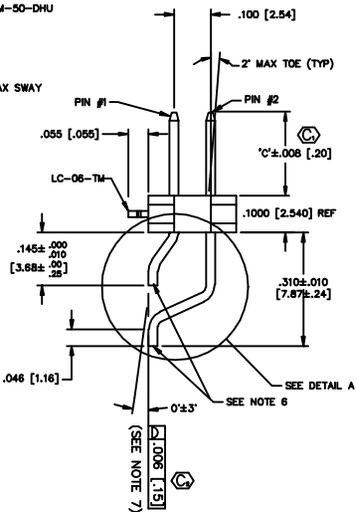
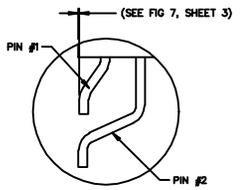


FIG. 1  
-LC: LOCKING CLIP OPTION  
CLIPS N/A WITH -A OPTION.



PLATING SPEC.  
 -T: TIN - SPECIFY -T IN TERMINAL SUFFIX -X  
 -S: SELECTIVE - SPECIFY -S IN TERMINAL SUFFIX -X  
 -L: SELECTIVE - SPECIFY -L IN TERMINAL SUFFIX -X  
 -F: FLASH SELECTIVE - SPECIFY -F IN TERMINAL SUFFIX -X  
 -H: HEAVY GOLD - SPECIFY -H IN TERMINAL SUFFIX -X  
 -P: GOLD FLASHED PALLADIUM NICKEL - SPECIFY -P IN TERMINAL SUFFIX -X  
 -TL: TIN/LEAD - SPECIFY -TL IN TERMINAL SUFFIX -X  
 -STL: SELECTIVE TIN/LEAD - SPECIFY -STL IN TERMINAL SUFFIX -X  
 -SM: SELECTIVE HEAVY GOLD, MATTE TIN TAIL  
 -LM: SELECTIVE LIGHT GOLD, MATTE TIN TAIL  
 -FM: FLASH SELECTIVE GOLD, MATTE TIN TAIL  
 -TM: MATTE TIN

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)

- NOTES:
- ⊕ REPRESENTS A CRITICAL DIMENSION.
  - DELETED
  - DELETED
  - DELETED
  - .005 [0.13] MAX CUT FLASH.
  - .002 [0.05] 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 OPTIONS 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.

ROW OPTION	LEAD STYLE	BOTTOM ROW PIN #1	TOP ROW PIN #2	C'
-DH	-01	T-158-09-X-2	T-158-20-X-2	.230 [5.84]
-DH	-02	T-158-09-X-2	T-158-20-X-2	.320 [8.13]
-DH	-03	T-158-09-X-2	T-158-20-X-2	.420 [10.67]
-DH	-04 (SEE NOTE 11)	T-158-09-X-2	T-158-20-X-2	.120 [3.05]
-MT	-01	T-158-08-X-2	T-158-20-X-2	.230 [5.84]
-MT	-02	T-158-15-X-2	T-158-20-X-2	.320 [8.13]
-MT	-03	T-158-09-X-2	T-158-20-X-2	.420 [10.67]

ONE PLACE DECIMALS ± .1 [3]	THREE PLACE DECIMALS ± .005 [0.13]	ANGLES ± 2'	TITLE: TERMINAL SRTP DOUBLE SURFACE MOUNT	DWG NO: TSM-1XX-XX-XXX-XX-XX-XXX-XX
TWO PLACE DECIMALS ± .01 [0.3]	FOUR PLACE DECIMALS ± .0020 [0.051]			SHEET 1 OF 3

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

NO. OF POSITIONS  
 -02 THRU -36

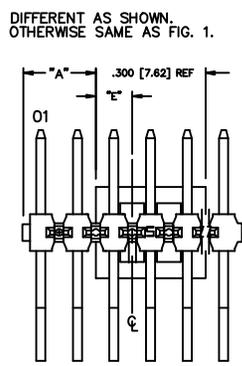
LEAD STYLE  
 (SEE TABLE 1)

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 OPTION ONLY) (NOT AVAILABLE WITH -K OPTION)  
 -TR: TAPE & REEL (28 POS MAX) (AVAILABLE FOR -DH ONLY)  
 -K: POLYIMIDE FILM (SEE FIG. 5, SHT. 2) (NOT AVAILABLE WITH -P OPTION) (USE K-500-300) (AVAILABLE ON POS -04 THRU -36) (AVAILABLE ON POS -02 THRU -03 WITH -TR OPTION ONLY)

OPTION #2  
 POLARIZED POSITION: SPECIFY OMITTED PIN

OPTION #1  
 -LC: LOCKING CLIP (USE LC-06-TM - SEE FIG. 1) (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)

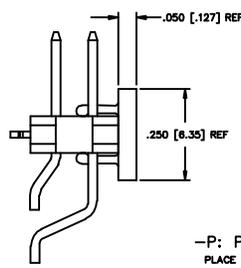
No Of POS	S/S BOW
02 - 10	.0030 [0.080]
11 - 20	.0050 [0.127]
21 - 30	.0070 [0.178]
31 - 36	.0080 [0.203]



DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1.

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

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



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

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

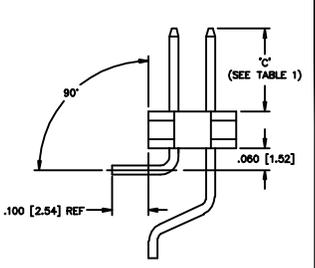
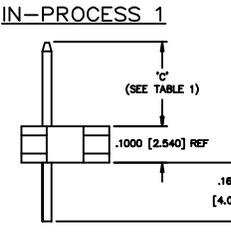
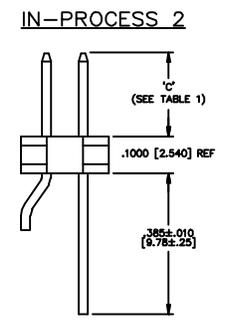


FIG. 4  
 -MT: MIXED TECHNOLOGY  
 DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1 (SEE NOTE 7)



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



EXSPROD ASSEMBLY 100 TSM01  
**samtec**  
 520 PARK EAST BLVD., NEW ALBANY, INDIANA 47150  
 PHONE (812) 944-8733 P.O. BOX 1147  
 CODE 55322

PROPRIETARY NOTE  
 THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF SAMTEC CORPORATION. IT IS TO BE USED FOR THE SPECIFIC PROJECT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF SAMTEC CORP.