

REVISION CT  
DO NOT SCALE  
FROM THIS PRINT

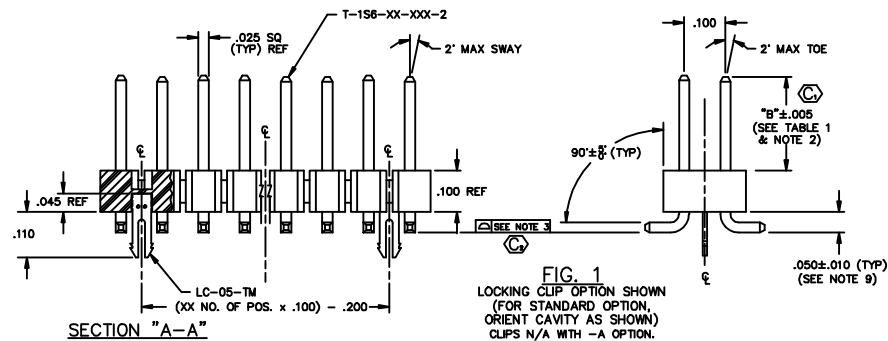
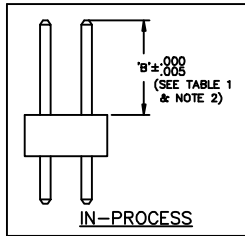
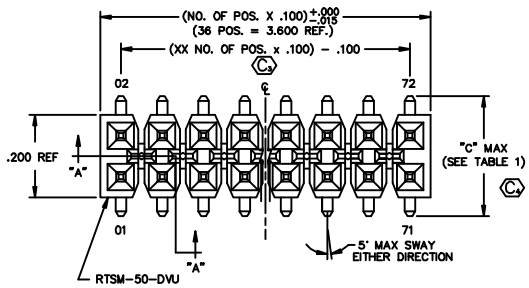


FIG. 1  
LOCKING CLIP OPTION SHOWN  
(FOR STANDARD OPTION,  
ORIENT CAVITY AS SHOWN)  
CLIPS N/A WITH -A OPTION.

UNLESS OTHERWISE NOTED  
DIMENSIONS ARE IN INCHES  
TOLERANCES AND  
ONE PLACE DECIMALS ± .1  
TWO PLACE DECIMALS ± .01  
THREE PLACE DECIMALS ± .005  
FOUR PLACE DECIMALS ± .0020  
ANGLES  
± 2°  
TITLE  
DOUBLE ROW,  
GULLWING ASM.  
DWG NO.  
TSM-1XX-XX-XXX-XX-X-XXX-X  
SHEET 1 OF 2

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

- NO. OF POSITIONS  
-02 THRU -50  
-TM/-TV (-02 THRU -30 ONLY)
- LEAD STYLE  
(SEE TABLE 1)
- PLATING SPEC.  
-T: TIN -SPECIFY -T IN TERMINAL SUFFIX -X  
-S: SELECTIVE -SPECIFY -S IN TERMINAL SUFFIX -X  
-G: GOLD -SPECIFY -G IN TERMINAL SUFFIX -X  
-L: SELECTIVE -SPECIFY -L IN TERMINAL SUFFIX -X  
-TL: TIN/LEAD -SPECIFY -TL IN TERMINAL SUFFIX -XX (AVAILABLE ONLY ON LEAD STYLES -01, -02 & -04)  
-STL: SELECTIVE TIN/LEAD -SPECIFY -STL IN TERMINAL SUFFIX -XXX (AVAILABLE ONLY ON LEAD STYLES -01, -02 & -04)  
-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  
-TM: MATTE TIN -SPECIFY -TM IN TERMINAL SUFFIX -XX  
-SM: SELECTIVE HEAVY GOLD, MATTE TIN TAIL -SPECIFY -SM IN TERMINAL SUFFIX -XX  
-LM: SELECTIVE LIGHT GOLD, MATTE TIN TAIL -SPECIFY -LM IN TERMINAL SUFFIX -XX  
-FM: FLASH SELECTIVE GOLD, MATTE TIN TAIL -SPECIFY -FM IN TERMINAL SUFFIX -XX
- MOUNT STYLE  
-DV: DOUBLE VERTICAL  
-TV: TRIPLE VERTICAL (USE HTSW-50-T-LOP) (SEE NOTE 11)  
\* -TM: TRIPLE MIXED TECHNOLOGY (USE HTSW-50-T-LOP)  
\* = USE -01 LEAD STYLE ONLY
- OPTION #1  
(OPTIONS N/A FOR -TV AND AND -TM MOUNT STYLES)  
-P: PICK & PLACE PAD (USE MPP-06 (SEE FIG. 3) (AVAILABLE ON POS -02 & -03 WITH -TR OPTION ONLY, SEE NOTE 8))  
-M: METAL PICK & PLACE PAD (USE LMP-01 or MPP-01 (SEE FIG. 4) (NOT RECOMMENDED FOR -P OR -SM PLATING))  
(LEAD STYLES -01 & -04 ONLY) (AVAILABLE ON POS -04 THRU 36) (AVAILABLE ON POS -02 & -03 WITH -TR OPTION ONLY, SEE NOTE 8))  
-TR: TAPE AND REEL (SEE FIG. 7) (-02 THRU -28 POS)
- OPTION #2  
POLARIZED POSITION  
SPECIFY OMITTED PIN  
(AVAILABLE FOR -DV MOUNT STYLE ONLY)
- OPTION #3 (SEE FIG. 1)  
-LC: LOCKING CLIP (USE LC-05-TM03-36 POS USE 2 PER STRIP) (02 POS USE 1 PER STRIP) (USE RTSM-XX-DVU) (SEE NOTE 12)  
-A: ALIGNMENT PIN (SEE FIG. 2) (FOR MOLDED TO POSITION, USE RTSM-XX-DVU-XX BODY) (FOR STAKED, USE RTSM-50-DVU BODY, 5 POS MIN) LEAVE BLANK FOR NO HOLD DOWN OPTION (USE RTSM-50-DVU SEE FIG. 1, CAN BE CUT TO POSITION)

TABLE 1

LEAD STYLE	MOUNT STYLE	"B"	"C" MAX (C)	"D"	TERMINAL	OVERALL PIN LENGTH (REF)
-01	-DV	.230	.303	.280	T-156-16-X-2	.445 [11.30] REF
-01	-TM, -TV	.230	-	-	T-156-17-X-2	.480 [12.19] REF
-02	-DV	.320	.293	.370	T-156-08-X-2	.530 [13.46] REF
-03	-DV	.420	.293	.470	T-156-15-X-2	.630 [16.00] REF
-04	-DV	.120	.303	.270	T-156-21-X-2	.335 [8.51] REF
-05	-DV	.075	.323	.270	T-156-18-X-2	.300 [7.62] REF

FIG. 2  
-A: ALIGNMENT PIN OPTION  
DIFFERENT AS SHOWN. OTHERWISE SAME AS FIG. 1.

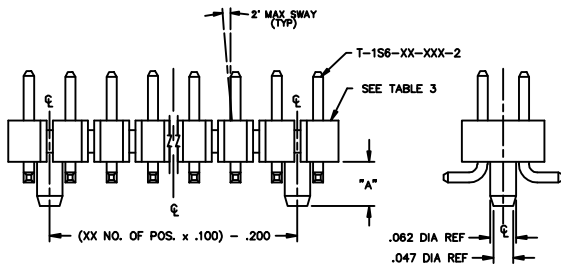
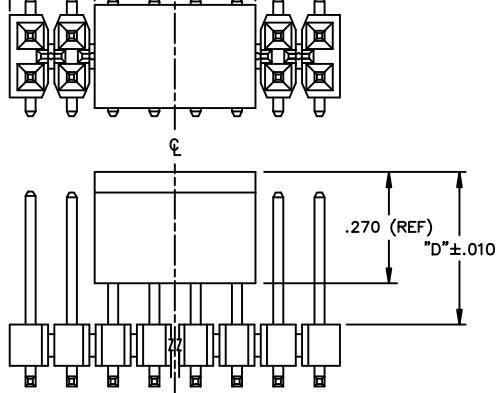


TABLE 3

	"A"	BODY	MIN # OF POS
MOLDED	.100 REF	RTSM-50-DVU-XX	2
* STAKED	.100 ± .005	RTSM-50-DVU	5

\* = USE TWO SM-AH'S

FIG. 3  
-P OPTION  
PLACE PPP-06 ON Q AS SHOWN



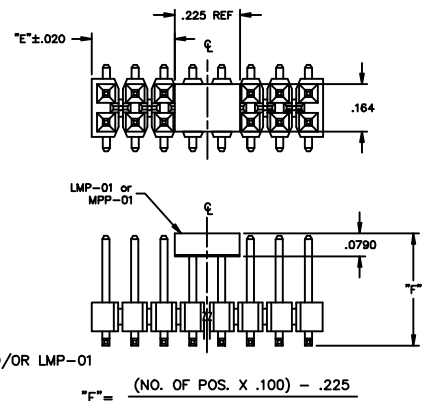
"G" +/- .020 =  $\frac{(\text{NO. OF POS. X .100}) - .390}{2}$

FIG. 4  
-M OPTION  
SCALE .7X  
PLACE LMP-01 or MPP-01 ON Q AS SHOWN

TABLE 2

LEAD STYLE	"F"
-01	.368
-04	.278

NOTE:  
HAND FILL - USE MPP-01 AND/OR LMP-01  
MACHINE FILL - USE LMP-01



"E" =  $(\text{NO. OF POS. X .100}) - .225$

PROPRIETARY NOTE  
THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN ARE UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. DATE OF DECLASSIFICATION IS INDEFINITE. THIS DOCUMENT IS IN THE PUBLIC DOMAIN.

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

EXISTING ASSEMBLY 100  
T360471  
**samtec**  
820 PARK EAST BLVD. NEW ALBANY, INDIANA 47150  
PHONE (812) 844-8733 P.O. BOX 1147  
CODE 88322  
MFG BY BRYANT 4-24-01  
TSM-1XX-XX-XXX-XX-X-XXX-X  
SHEET 1 OF 2