

REVISION CJ  
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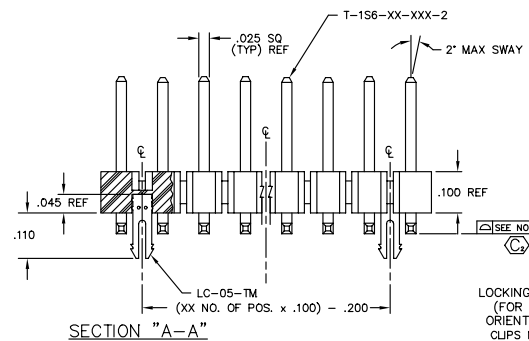
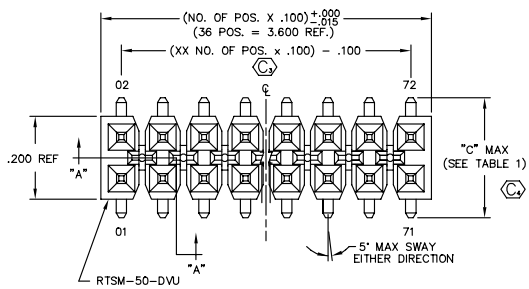
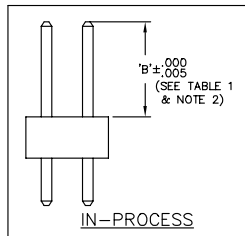


FIG. 1  
LOCKING CLIP OPTION SHOWN  
(FOR STANDARD OPTION,  
ORIENT CAVITY AS SHOWN)  
CLIPS N/A WITH -A OPTION.



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)  
-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-LCP)  
\* -TM: TRIPLE MIXED TECHNOLOGY (USE HTSW-50-T-LCP)  
\* = USE -01 LEAD STYLE ONLY

OPTION #3  
(OPTIONS N/A FOR -TV AND -TM MOUNT STYLES)  
-P: PICK & PLACE PAD  
USE PPP-06 (SEE FIG. 3)  
(AVAILABLE ON POS -04 THRU 36)  
(AVAILABLE ON POS -02 & -03 WITH -TR OPTION ONLY; SEE NOTE B)  
-M: METAL PICK & PLACE PAD  
USE LMP-01 or MPP-01 (SEE FIG. 4)  
(LEAD STYLES -01 & -04 ONLY)  
(AVAILABLE ON POS -04 THRU 36)  
(AVAILABLE ON POS -02 & -03 WITH -TR OPTION ONLY; SEE NOTE B)  
-TR: TAPE AND REEL (SEE FIG. 7)  
(-02 THRU -26 POS)

OPTION #2  
POLARIZED POSITIONED PIN

OPTION #1 (SEE FIG. 1)  
(AVAILABLE FOR -DV MOUNT STYLE ONLY)  
-LC: LOCKING CLIP  
USE LC-05-TM(03-36 POS USE 2 PER STRIP)  
(02 POS USE 1 PER STRIP)  
(USE RTSM-XX-DVU)  
-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	"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.

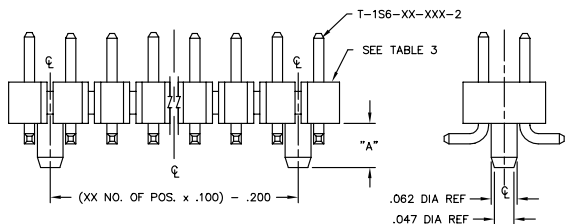
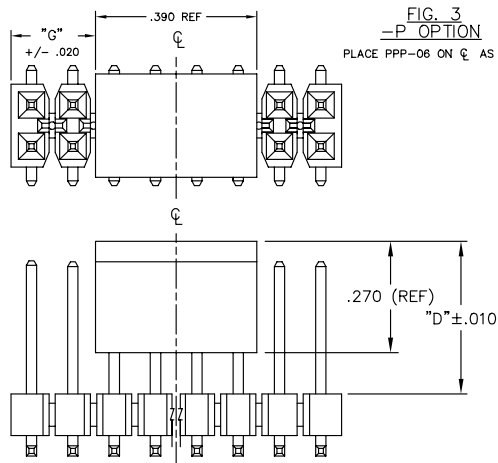


TABLE 3

	"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



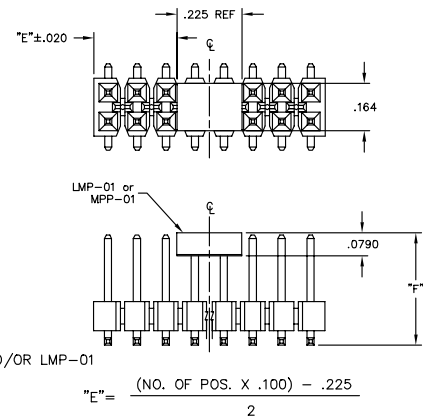
"G" +/- .020 = (NO. OF POS. X .100) - .390

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

TABLE 2

LEAD STYLE	"F"
-01	.388
-04	.278

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



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

EXISTPRO/ASSEMBLY100  
TSM/DVAM1

**samtec**

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MADE BY: BRYANT 4-24-91

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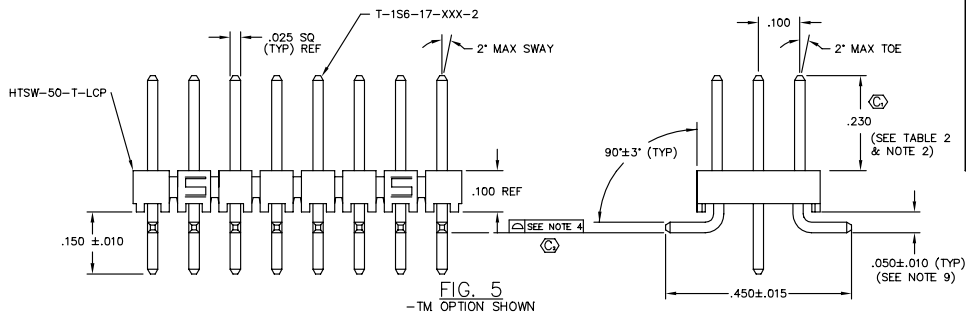
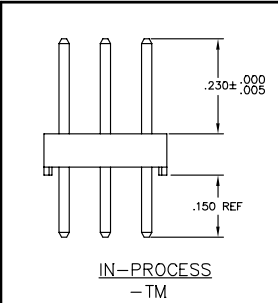


FIG. 5  
-TM OPTION SHOWN



IN-PROCESS  
-TM

ONE PLACE DECIMALS ±.1	THREE PLACE DECIMALS ± .005	ANGLES ± 2°	TITLE: DOUBLE ROW, GULLWING ASM.	DWG NO: TSM-1XX-XX-XXX-XX-Y-XXX-Y
TWO PLACE DECIMALS ±.01	FOUR PLACE DECIMALS ± .0020			SHEET 2 OF 2

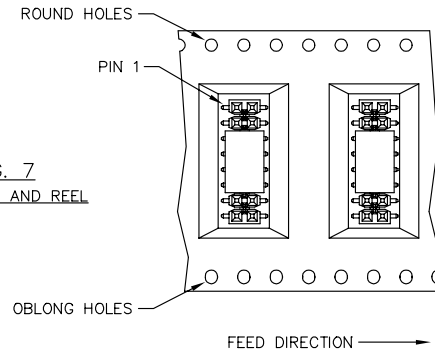
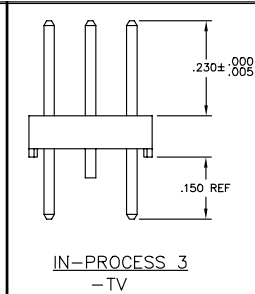
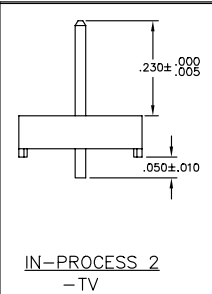
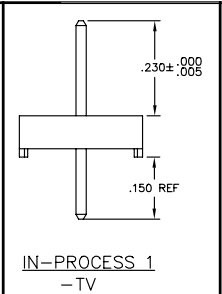
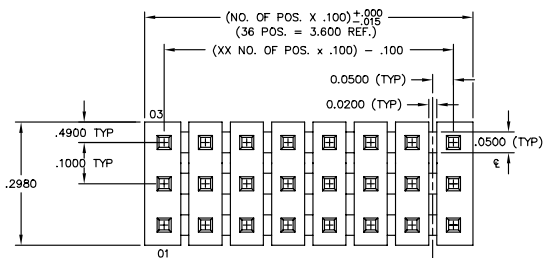
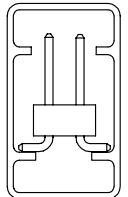


FIG. 7  
-TR TAPE AND REEL

NOTES:

- ⊗ REPRESENTS A CRITICAL DIMENSION.
- POST HEIGHT VARIATION BETWEEN ANY TWO PINS SHALL BE .005 MAX.
- ⊗ COPLANARITY; POSITIONS -02 THRU -05: .004  
POSITIONS -06 THRU -10: .005  
POSITIONS -11 THRU -36: .006
- ⊗ COPLANARITY; POSITIONS -02 THRU -10: .004  
POSITIONS -11 THRU -20: .005  
POSITIONS -21 THRU -30: .006.
- LOAD PARTS POS 1 IN SAME DIRECTION AS ARROW.
- NOTE DELETED
- TUBE POSITIONS -03 THROUGH -50.
- TAPE & REEL AVAILABLE ON POSITION -02 THRU -28 ONLY; LEADS MAY NOT BE VISIBLE FOR CUSTOMER'S VISUAL INSPECTION ON SMALLER POSITIONED PARTS WHEN USED WITH -P OR -M OPTION.
- MEASURE AT BEND RADIUS.



IN-PROCESS 1  
-TV

IN-PROCESS 2  
-TV

IN-PROCESS 3  
-TV

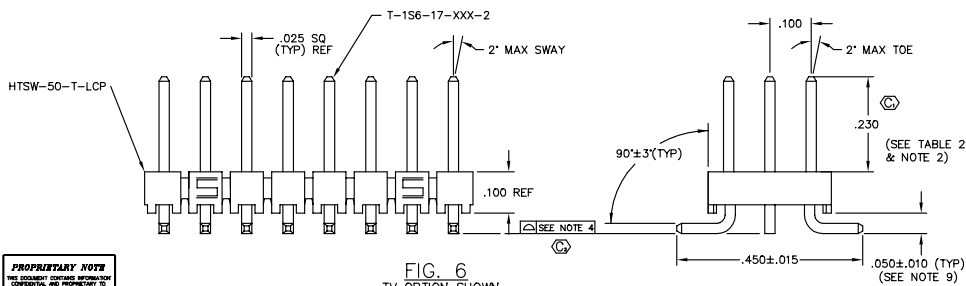
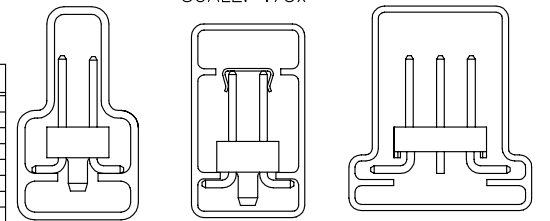


FIG. 6  
-TV OPTION SHOWN

PACKAGE AS SHOWN  
TABLE 4

LEAD STYLE	MOUNT STYLE	OPTION	TUBE	PLUG	NOTE
01, 02, 04, 05	-DV	NONE	PT-1-24-01-29	TP-03	7
01, 02	-DV	-LC, -A	PT-1-24-01-29	TP-03	7
01, 04, 05	-DV	-P	PT-1-24-08-29	TP-03	7
01, 04, 05	-DV	-LC-P, -A-P	PT-1-24-08-29	TP-03	7
02	-DV	-P	PT-1-24-15-29	TP-03	7
02	-DV	-LC-P, -A-P	PT-1-24-15-29	TP-03	7
03	-DV	NONE	PT-1-24-09-29	TP-03	7
03	-DV	-LC, -A	PT-1-24-09-29	TP-03	7
03	-DV	-P	PT-1-24-16-29	TP-03	7
03	-DV	-LC-P, -A-P	PT-1-24-16-29	TP-03	7
04, 05	-DV	-A, -LC	PT-1-24-03-15	TP-03	7
04	-DV	-M, -LC-M, -A-M	PT-1-24-03-15	TP-03	7
01	-DV	-M, -LC-M, -A-M	PT-1-24-06-29	TP-03	7
04, 05	-DV	-LC-A-M	PT-1-24-03-15	TP-03	7
01	-TM	NONE	PT-1-24-02-08	TP-13	7
01	-TV	NONE	PT-1-24-01-70	TP-07	7

SCALE: .75x



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