

REVISION CK  
DO NOT SCALE  
FROM THIS PRINT

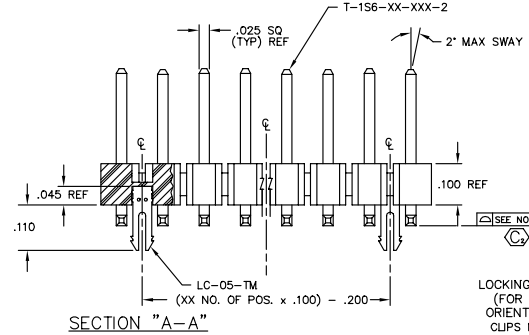
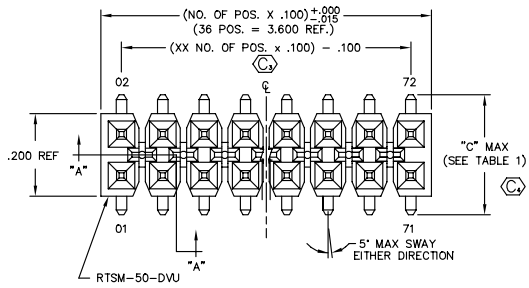
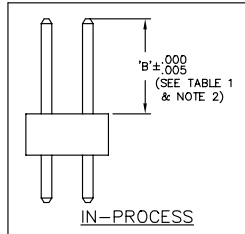


FIG. 1  
LOCKING CLIP OPTION SHOWN  
(FOR STANDARD OPTION,  
ORIENT CAVITY AS SHOWN)  
CLIPS N/A WITH -A OPTION.



UNLESS OTHERWISE NOTED TOLERANCES ARE:  
ONE PLACE DECIMALS ±.1 THREE PLACE DECIMALS ±.005 ANGLES ±.2°  
TWO PLACE DECIMALS ±.01 FOUR PLACE DECIMALS ±.0020

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  
-LCP: LOCKER PIN (SEE FIG. 2)  
\* -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 (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.

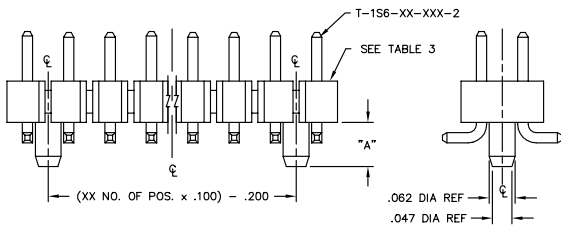
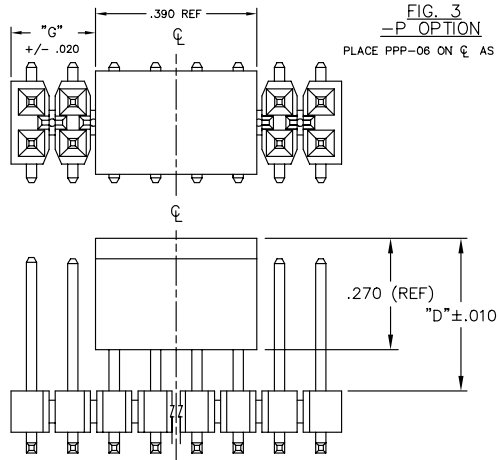


TABLE 3

	"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 C AS SHOWN



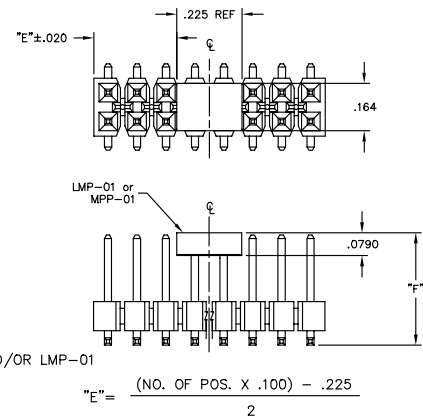
"G" +/- .020 = (NO. OF POS. X .100) - .390  
2

FIG. 4  
-M OPTION  
SCALE .7X  
PLACE LMP-01 or MPP-01  
ON C 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

EXISTPROD/ASSEMBLY 100  
TSM-DVAM1  
**samtec**  
520 PARK EAST BLVD., NEW ALBANY, INDIANA 47150  
PHONE (812) 944-8733 F.O. BOX 1147  
CODE 55322

MADE BY: BRYANT 4-24-91 TSM-1XX-XX-XXX-XX-X-XXX-X  
SHEET 1 OF 2

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DIMENSIONS ARE IN INCHES		TOLERANCES ARE:	
ONE PLACE DECIMALS ±.1 [2.5mm]	THREE PLACE DECIMALS ±.005 [0.13mm]	ANGLES	± 2°
TWO PLACE DECIMALS ±.010 [0.25mm]	FOUR PLACE DECIMALS ±.0020 [0.05mm]		

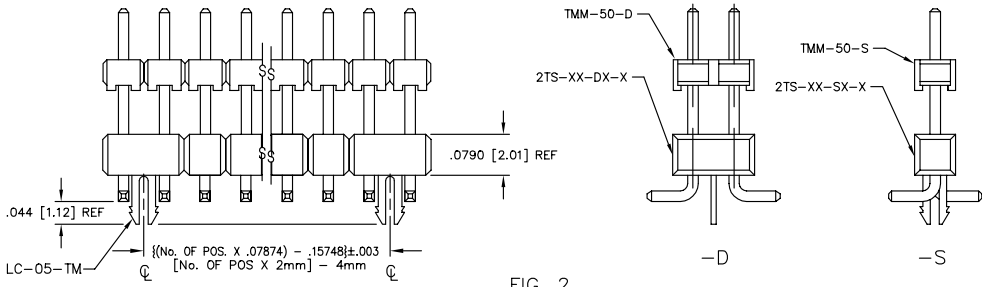
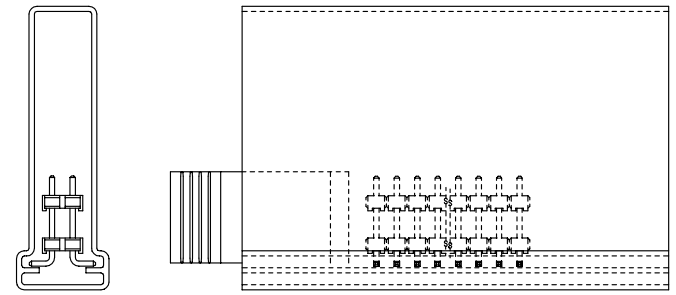


FIG. 2

(-LC OPTION)  
 SAME AS FIG 1 EXCEPT WHERE NOTED.



PAGAGING VIEW  
 SCALE: .5X

PT-1-24-02-47  
 TP-03

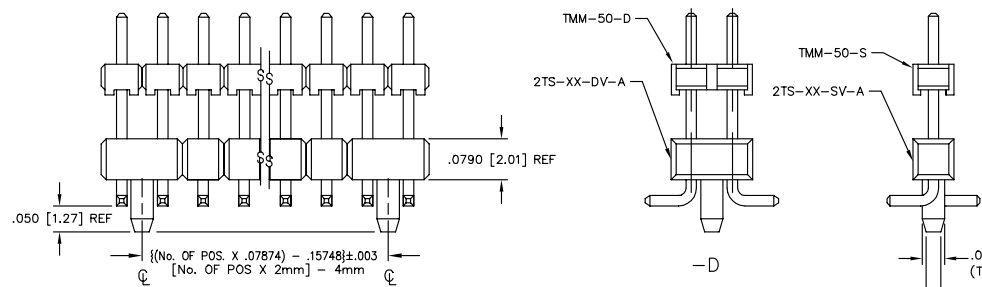


FIG. 3

(-A MOLDED ALIGNMENT PIN OPTION)  
 SAME AS FIG 1 EXCEPT WHERE NOTED.

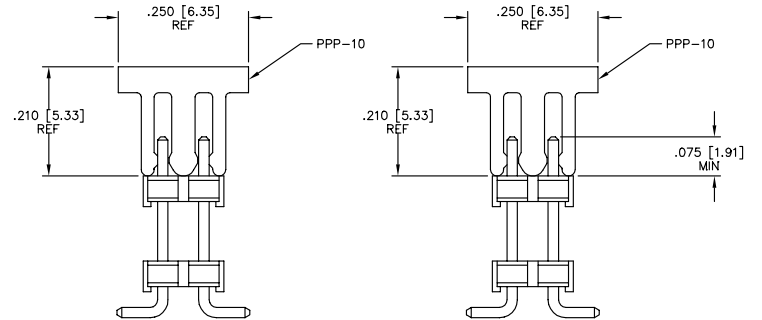


FIG. 5

(-M OPTION)  
 (SEE NOTE 10)

FIG. 6

(-P OPTION)  
 (SEE NOTE 10)

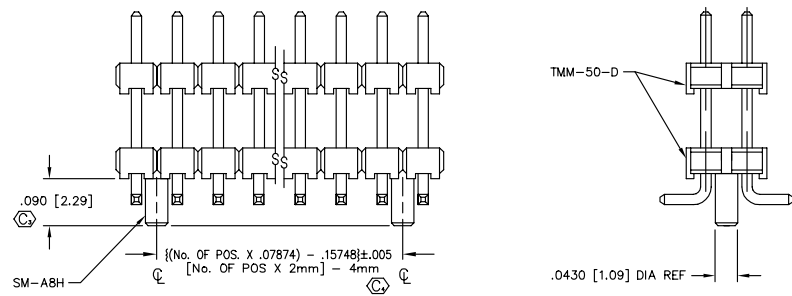
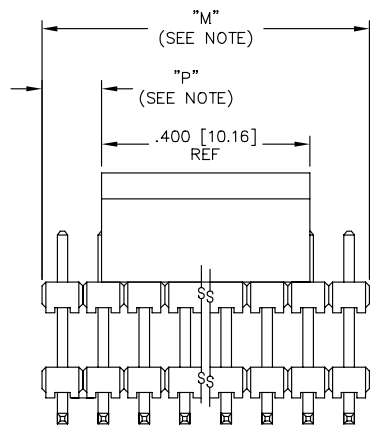


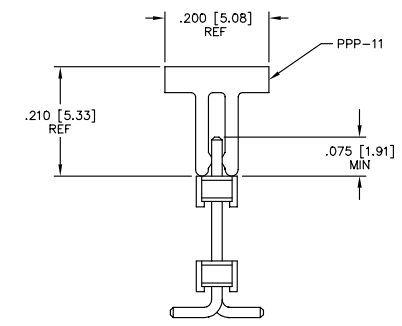
FIG. 4

(-A STAKED ALIGNMENT PIN OPTION)  
 SAME AS FIG 1 EXCEPT WHERE NOTED.



NOTE: "M" = USED MEASURED DIMENSION (REF)  
 "P" = {( "M" - .400 ) / 2 } ± .020 [0.51]

-APPLIES TO BOTH SINGLE & DOUBLE-



-S

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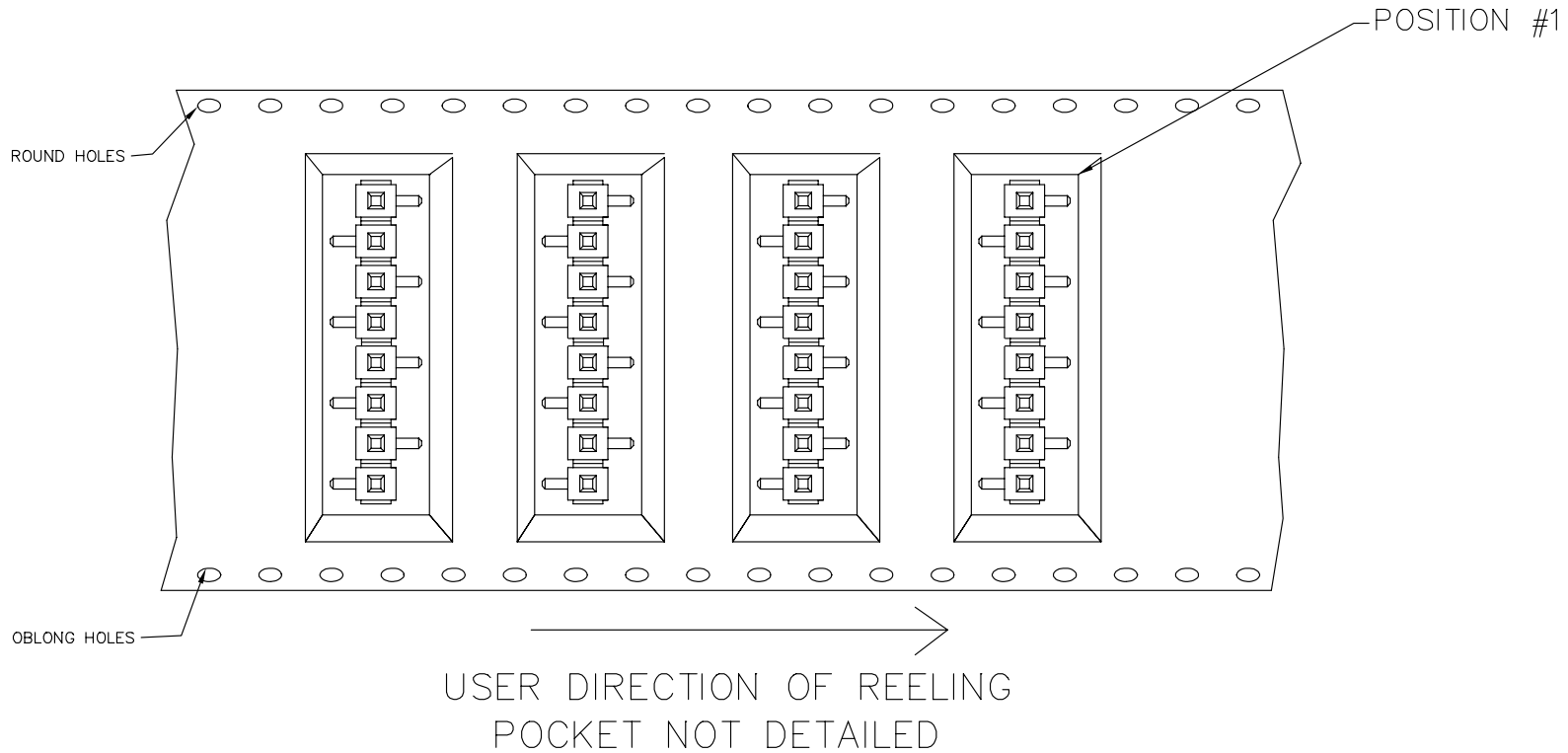
EXISPROD\_ASSEMBLY\2MM TW-SM2

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


MADE BY:  
 BRYANT 3-8-93

TW-XX-XX-XXX-X-XXX-SM-XX-XXX

-TR VIEW FOR -S (SINGLE ROW)



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