

REVISION BF

TABLE 1  
TERMINAL SPECIFICATIONS

TERMINAL SPEC	PIN #1	PIN #2	PIN #3
-05	T-1S6-21-X-2	N/A	N/A
-06	T-1S6-18-X-2	N/A	N/A
-07	T-1S6-07-X-2	T-1S6-15-X-2	T-1S6-10-X-2
-08	T-1S6-08-X-2	T-1S6-09-X-2	T-1S6-11-X-2
-09	T-1S6-09-X-2	T-1S6-11-X-2	T-1S6-20-X-2
-10	T-1S6-10-X-2	T-1S6-12-X-2	T-1S6-13-X-2
-11	T-1S6-11-X-2	T-1S6-20-X-2	T-1S6-19-X-2
-12	T-1S6-12-X-2	T-1S6-13-X-2	T-1S6-14-X-2
-13	T-1S6-13-X-2	T-1S6-14-X-2	N/A
-21	T-1S6-14-X-2	N/A	N/A
-22	T-1S6-15-X-2	T-1S6-10-X-2	T-1S6-12-X-2
-23	T-1S6-16-X-2	N/A	N/A
-24	T-1S6-17-X-2	N/A	N/A
-27	T-1S6-19-X-2	N/A	N/A
-28	T-1S6-20-X-2	T-1S6-19-X-2	N/A

TABLE 4  
FOR -RX OPTION: TAIL = L-C-B-.15 REF  
FOR -NX OPTION: TAIL = L-C-B-.13 REF  
(CALCULATIONS APPLY TO FIRST ROW PIN LENGTHS ONLY)

LEAD STYLE	MAXIMUM STRAIGHT	MAXIMUM W/RA	MAXIMUM W/RE
-05	.235 [5.97]	N/A	N/A
-06	.200 [5.08]	N/A	N/A
-07	.330 [8.38]	.130 [3.30]	N/A
-08	.430 [10.92]	.230 [5.84]	.130 [3.30]
-09	.630 [16.00]	.430 [10.92]	.330 [8.38]
-10	.730 [18.54]	.530 [13.46]	.430 [10.92]
-11	.830 [21.08]	.630 [16.00]	.530 [13.46]
-12	.930 [23.62]	.730 [18.54]	.630 [16.00]
-13	1.130 [28.70]	.930 [23.62]	.830 [21.08]
-21	1.330 [33.78]	1.130 [28.70]	1.030 [26.16]
-22	.530 [13.46]	.330 [8.38]	.230 [5.84]
-23	.345 [8.76]	.145 [3.68]	N/A
-24	.380 [9.65]	.180 [4.57]	N/A
-27	1.230 [31.24]	1.030 [26.16]	.930 [23.62]
-28	1.030 [26.16]	.830 [21.08]	.730 [18.54]

UNLESS OTHERWISE NOTED TOLERANCES ARE:

ONE PLACE DECIMALS ±.1 [.3] THREE PLACE DECIMALS ±.005 [.13] ANGLES ±2°

TWO PLACE DECIMALS ±.01 [.3] FOUR PLACE DECIMALS ±.0020 [.051]

TITLE: ASSEMBLY, .025 [.64] SQ. POST  
TERMINAL STRIP

DWG NO: MTSW-XXX-XX-X-X-XXXX-XX-XXX  
SHEET 1 OF 3

MTSW-XXX-XX-X-X-XXXX-XX-XXX

TERMINAL SPACE SPEC. (SEE ASSEMBLY INSTR.)

- 1= .100 [2.54] (FILL EVERY POS.)
- 2= .200 [5.08] (FILL E/O POS. STARTING W/ 1st & ENDING W/ LAST POS. IN BODY)

BODY LENGTH SPEC. EXPRESSED IN # OF POS.

- 1: 01 THRU -50 (-S,-D,-T)
- 1A= NO. OF POS. x .100 [2.54]
- 2: 02 THRU -25 (-S,-D,-T)
- 2A= (NO OF POS. x .200) -100 [2.54] [5.08]

TERMINAL SPECIFICATION SEE TABLE 1

OPTION #2 -POLARIZATION SPEC. XXX INDICATES POS. TO BE OMITTED (SEE FIG. 2)

OPTION #1

- BLANK= STRAIGHT
- RA= RIGHT ANGLE (SEE TABLE 3 & FIG. 3) (-05 N/A)
- RE= EXTENDED RIGHT ANGLE (SEE TABLE 3 & FIG. 3) (SINGLE ROW ONLY) (-05,-07,-23,-24 N/A)
- NA= RA OPTION WITH STRAIGHT OPTION BODY
- NE= RE OPTION WITH STRAIGHT OPTION BODY
- LL= LOCKING LEAD (SEE FIG 1) (N/A WITH -RE OPTION OR SINGLE ROW 1 OR 2 POSITION)
- LA= -RA OPTION WITH -LL OPTION (SEE FIG 2 & 3) (N/A WITH SINGLE ROW 1 OR 2 POSITION) (TAILS FROM .090 [2.29] TO .310 [7.87] ONLY)
- POST = .530 [13.46] MAX.

POST HEIGHT XXXX = "C" (SEE TABLE 4)

ROW SPECIFICATION (SEE TABLE #2)

- S: SINGLE
- D: DOUBLE
- T: TRIPLE
- Q: TRIPLE ROW (FILL OUTER ROWS ONLY)

PLATING SPECIFICATIONS

- G: 10µ" GOLD CONTACT, 3µ" GOLD TAIL
- I: MATTE TIN CONTACT AND TAIL
- S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- E: 50µ" HEAVY GOLD ON CONTACT AREA, 3µ" GOLD ON TAIL
- H: 30µ" HEAVY GOLD CONTACT, 3µ" GOLD ON TAIL
- F: 3µ" FLASH SELECTIVE GOLD, MATTE TIN TAIL
- STL: 30µ" GOLD SELECTIVE ON CONTACT TIN/LEAD (90/10+/-5%) TAIL
- TM: MATTE TIN CONTACT AND TAIL
- SM: 30µ" SELECTIVE GOLD CONTACT MATTE TIN TAIL
- LM: 10µ" LIGHT SELECTIVE GOLD MATTE TIN TAIL
- FM: 3µ" GOLD FLASH SELECTIVE ON CONTACT MATTE TIN TAIL

- NOTES:
- TERMINAL PUSHOUT FORCE: 3 LBS. MIN.
  - HEIGHT VARIATION BETWEEN ANY TWO ROWS SHALL BE .005 [.13] MAX (R.A. TAIL N/A).
  - ASSEMBLE GOLD PLATE END AS SHOWN.
  - NOTE DELETED
  - (C) REPRESENTS CRITICAL DIMENSION.
  - TOW & SWAY SPEC. OF 2' APPLIES TO ALL POSITIONS, POST & TAIL, IN ALL DIRECTIONS.
  - STL PLATING AVAILABLE IN LEAD STYLES -07, -08, -10, 16, 17 & 21. STRAIGHT THROUGH HOLE ONLY.
  - ORIENTATE PINS TO REDUCE THE NUMBER OF BANDOLIER MARKS IN THE POST AREA. (SEE TABLE 6)
  - NOTE DELETED
  - MAXIMUM GUT FLASH: .010 [.25]
  - TABLE 5 IS A REFERENCE FOR INDIVIDUAL PIN LENGTHS AS LISTED ON THE T-1S6 COMPONENT PRINT AND NOT THE TERMINAL SPEC IN TABLE 1 OR IN THE PART CALLOUT.

ASSEMBLY INSTRUCTIONS

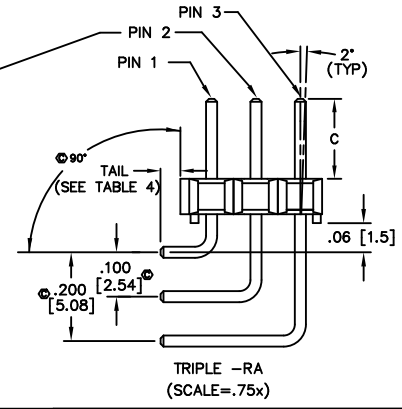
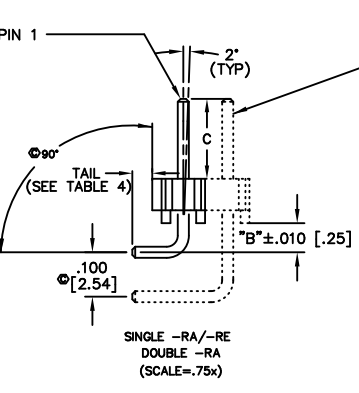
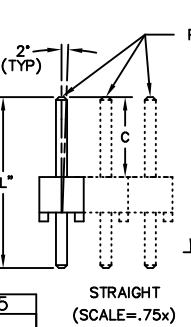
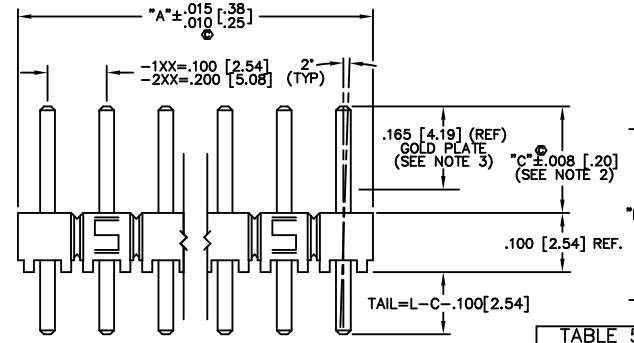


TABLE 2 BODY SPECIFICATION		TABLE 3	
ROW/OPTION	USE BODY	-XX	"B"
-S/-S-NA/-S-NE	TSW-50-S	-RA	.060 [1.52]
-S-RA/-S-RE	TSW-50-S-RA	-RE	.160 [4.06]
-D/-D-NA/-D-NE	RTSW-50-D *		
-D-RA	TSW-50-D-RA		
-T/-T-NA/-T-NE	TSW-50-T		
-T-RA	TSW-50-T-RA		
-Q	TSW-50-T		

LENGTH	"L"
-07	.430 [10.92]
-08	.530 [13.46]
-09	.730 [18.54]
-10	.830 [21.08]
-11	.930 [23.62]
-12	1.030 [26.16]
-13	1.230 [31.24]
-14	1.430 [36.32]
-15	1.630 [41.40]
-16	1.830 [46.48]
-17	2.030 [51.56]
-18	2.230 [56.64]
-19	2.430 [61.72]
-20	2.630 [66.80]
-21	2.830 [71.88]

\* RTSW FOR HAND FILL. TSW FOR MACHINE FILL.  
TSW AND RTSW ARE INTERCHANGEABLE.

SEE NOTE 11  
\* REF FOR PIN LENGTH, SHT 1

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MATERIAL:  
BODIES: GLASS FILLED POLYESTER  
COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE



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

MADE BY: PURVIS 2-17-87

MTSW-XXX-XX-X-X-XXXX-XX-XXX  
SHEET 1 OF 3

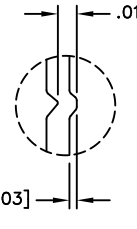
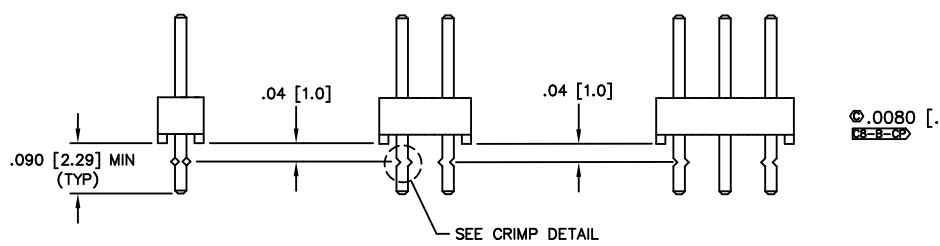
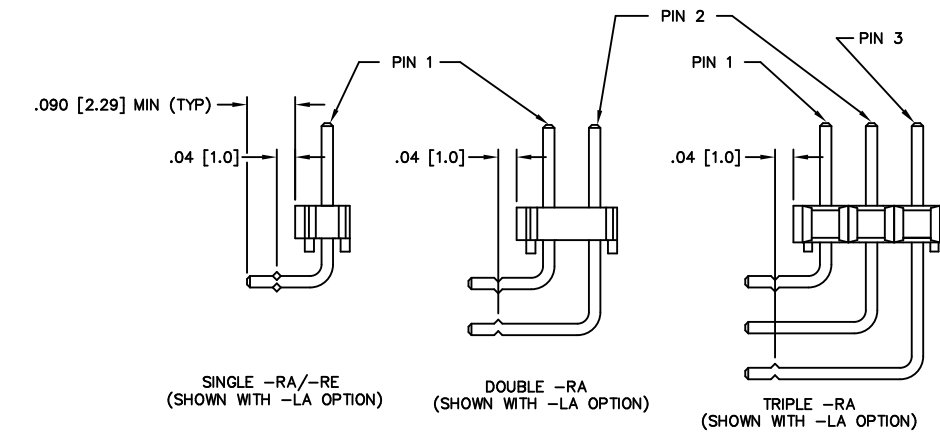
REV BF

UNLESS OTHERWISE NOTED  
 DIMENSIONS ARE IN INCHES TOLERANCES ARE:  
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 TWO PLACE DECIMALS ±.01 [.3] FOUR PLACE DECIMALS ±.0020 [.051] ANGLES ± 2°

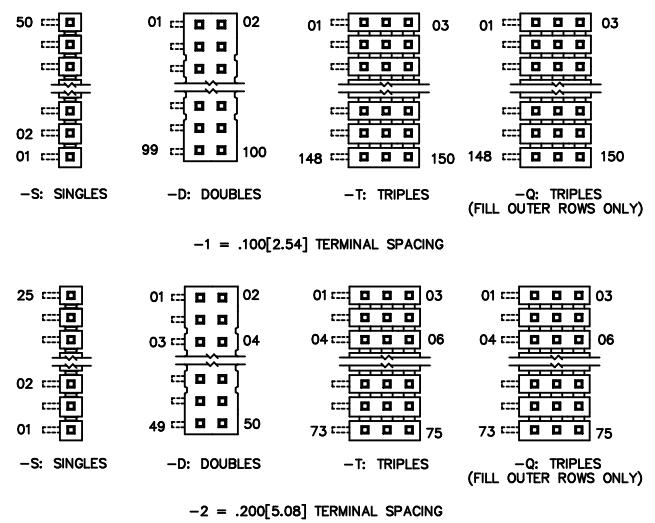
TITLE: ASSEMBLY  
 .025 [.64] SQ POST  
 TERMINAL STRIP

DWG NO: MTSW-XXX-XX-X-XXXX-XX-XXX  
 SHEET 2 OF 3

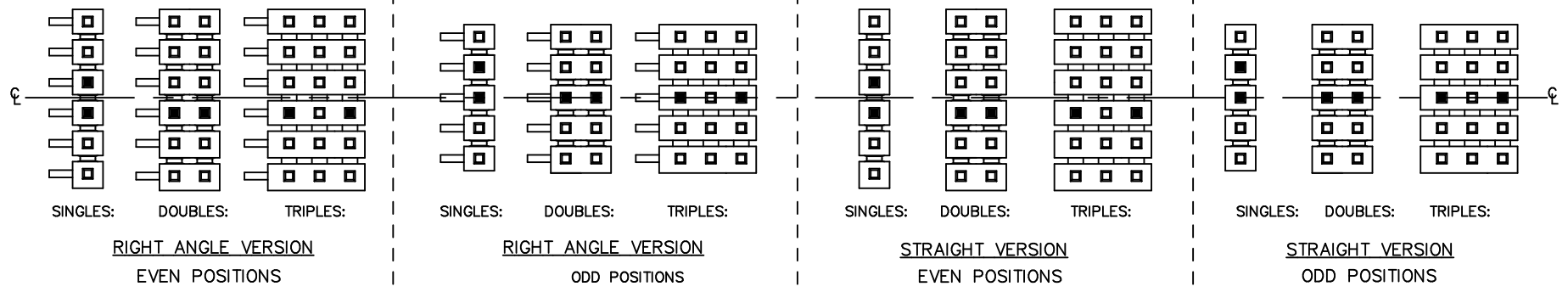
FIG. 3



CRIMP DETAIL  
 SCALE: 2x  
 [TYP- ALL CRIMPS]



POLARIZATION  
 (STRAIGHT & RA VERSIONS)  
 FIG. 2



LOCKING LEAD  
 ■ = CRIMP LOCATION  
 FIG. 1

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EXISPROD\ASSEMBLY\100  
 MTSW-AM2

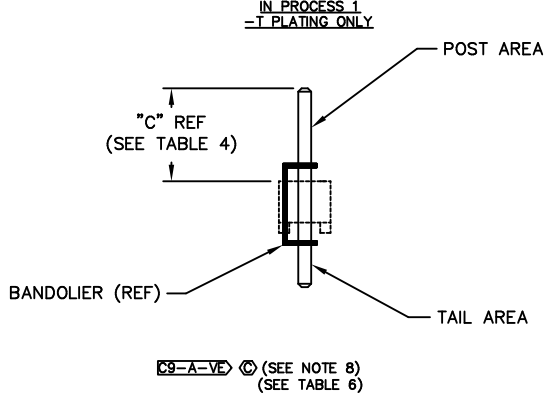
**samtec**

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

MADE BY: MTSW-XXX-XX-X-XXXX-XX-XXX  
 SHEET 2 OF 3

PLOT SCALE: 1=2

TABLE 6			
NUMBER OF BAND MARKS ALLOWED IN POST AREA			
LEAD STYLE	PIN #1	PIN #2	PIN #3
*-05	1	N/A	N/A
-06	1	N/A	N/A
-07	1	1	1
-07-RA	0	0	0
-08	2	2	2
-08-RA	0	0	0
-08-RE	0	0	0
*-09	2	2	2
*-09-RA	1	0	0
*-09-RE	0	0	0
*-10	2	2	2
*-10-RA	1	0	0
*-10-RE	0	0	0
*-11	2	2	2
*-11-RA	1	0	0
*-11-RE	0	0	0
*-12	2	2	2
*-12-RA	1	0	0
*-12-RE	0	0	0
*-13	2	2	N/A
*-13-RA	1	0	N/A
*-13-RE	0	0	N/A
*-21	2	N/A	N/A
*-21-RA	1	N/A	N/A
*-21-RE	0	N/A	N/A
-22	2	2	2
*-22-RA	1	0	0
*-22-RE	0	0	0
-23	2	N/A	N/A
-23-RA	0	N/A	N/A
-24	2	N/A	N/A
-24-RA	0	N/A	N/A
*-27	2	N/A	N/A
*-27-RA	1	N/A	N/A
*-27-RE	0	N/A	N/A
*-28	2	2	N/A
*-28-RA	1	0	N/A
*-28-RE	0	0	N/A



\* PINS TO BE FLIPPED OPPOSITE OF SELECTIVE PLATING BEFORE BEING INSERTED

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MADE BY:	MTSW-XXX-XX-X-XXXX-XX-XXX
SHEET 3 OF 3	