

DO NOT  
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THIS PRINT

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 2 BODY SPECIFICATION	
ROW / OPTION	USE BODY
-S / -S-NA / -S-NE	TSW-50-S
-S-RA / -S-RE	TSW-50-S-RA
-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

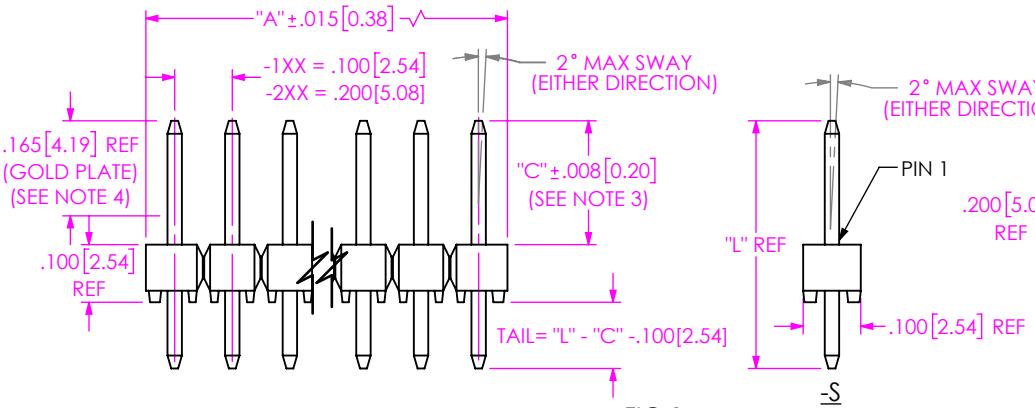


FIG 1  
MTSW-XXX-XX-X-S-XXXX SHOWN

NOTES:

1.  REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM TERMINAL PUSHOUT FORCE: 3 LBS.
3. MAXIMUM HEIGHT VARIATION BETWEEN ANY TWO ROWS SHALL BE .005[0.13] (RA TAIL N/A).
4. ASSEMBLE GOLD PLATE END AS SHOWN.
5. TOW & SWAY SPEC. OF 2° APPLIES TO ALL POSITIONS, POST & TAIL, IN ALL DIRECTIONS.

STRAIGHT THROUGH HOLE ONLY.

⑦. ORIENTATE PINS TO REDUCE THE NUMBER OF BANDOLIER MARKS IN THE POST AREA.  
(SEE TABLE 6)

8. MAXIMUM CUT FLASH: .020[0.51].

9. 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

10. MUST USE T-30193-13 (2 1/2 BLADES) TO CUT -T AND -Q PARTS.

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	.630 [16.00]
-16	.445 [11.30]
-17	.480 [12.19]
-18	.300 [7.62]
-19	1.330 [33.78]
-20	1.130 [28.70]
-21	.335 [8.51]

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

TERMINAL SPECIFICATION  
(SEE TABLE 1)

**PLATING SPECIFICATION**

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

Technical drawing showing two sets of pins. The left set is labeled D and the right set is labeled I. Dimensions are: .100 [2.54] for the height of the pins, .300 [7.62] for the distance between the sets, and .200 [5.08] for the distance between the pins in each set.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS                    ANGLES  
.XX: ±.01 [0.3]  
.XXX: ±.005 [0.13]  
.XXXX: ±.0020 [0.051]

**MATERIAL:** DO NOT SCALE DRAWING **sheet scale:** 3  
**BODY:** GLASS FILLED POLYESTER, COLOR: BLACK  
**TERMINAL:** PHOSPHER BRONZE

- OPTION #2
  - POLARIZATION SPEC.
  - XXX INDICATES POS TO BE OMITTED (SEE FIG 6, SHT 5)

- BLANK = STRAIGHT
- RA = RIGHT ANGLE (SEE TABLE 3 & FIG 2, SHT 2)  
(-05 N/A) -RA OPTION WITH -LL OPTION EQUALS TO -LA OPTION)
- RE = EXTENDED RIGHT ANGLE (SEE TABLE 3 & FIG 2, SHT 2) (SINGLE ROW ONLY)  
(-05, -07, -23 -24 N/A)
- NA = RA OPTION WITH STRAIGHT OPTION BODY (SEE TABLE 3 & FIG 3, SHT 2) (-NA OPTION WITH -LL OPTION IS VALID)
- NE = RE OPTION WITH STRAIGHT OPTION BODY (SEE TABLE 3 & FIG 3, SHT 2)
- LL = LOCKING LEAD (SEE FIG 4, SHT 3 & FIG 5, SHT 4)  
(N/A WITH -RE OPTION OR SINGLE ROW 1 OR 2 POSITIONS)  
(TAILS FROM .090[2.29] TO .400[10.16] ONLY)  
(N/A IN SINGLE ROW, 1 OR 2 POSITIONS)
- LA = -RA OPTION WITH -LL OPTION (SEE FIG 4, SHT 3 & FIG 5, SHT 4)  
(N/A IN SINGLE ROW 1 OR 2 POSITION)  
(TAILS FROM .090[2.29] TO .310[7.87] ONLY)  
(N/A IN SINGLE ROW, 1 OR 2 POSITIONS)  
POST = .530[13.46] MAX

POST HEIGHT  
XXXX = "C" (SEE TABLE 4)  
LOW SPECIFICATION (SEE TABLE 2)  
: SINGLE

ANGLE  
DOUBLE  
TRIPLE  
TRIPLE ROW (FILL OUTER ROWS ONLY)

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	"C" MAXIMUM STRAIGHT	"C" MAXIMUM W/ RA	"C" 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]	
-27	1.230 [31.24]	1.030 [26.16]	.930 [23.62]
-28	1.030 [26.16]	.830 [21.08]	.730 [18.54]

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

DWG. NO. 147011-00000000000000000000000000000000

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

BY: PURVIS 02/17/1987 SHEET 1 OF 6

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TABLE 3 BODY SPECIFICATION	
-XX	"B"
-RA	.060 [1.52]
-RE	.160 [4.06]

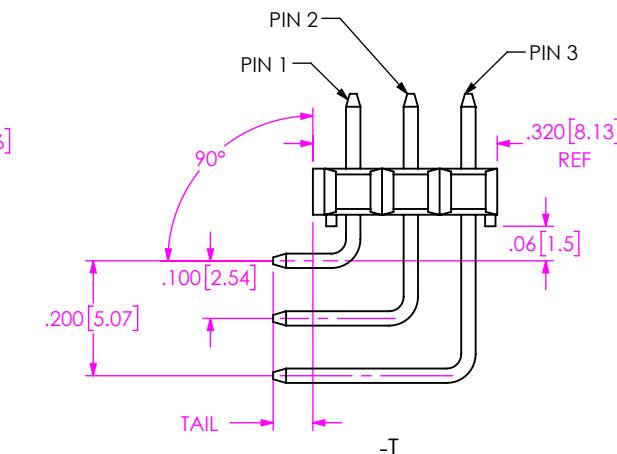
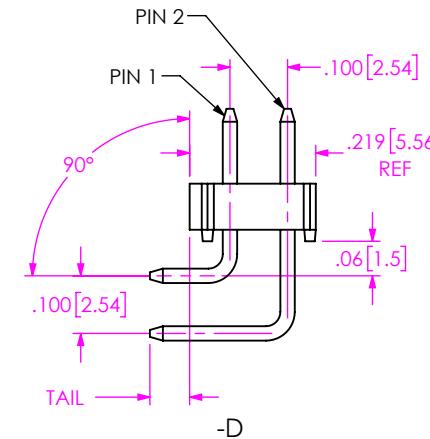
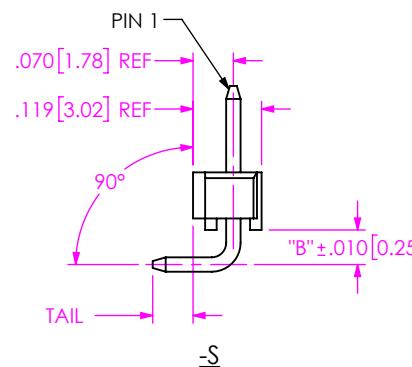
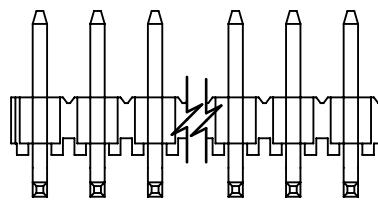


FIG 2  
MTSW-XXX-XX-X-S-XXXX-RX SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

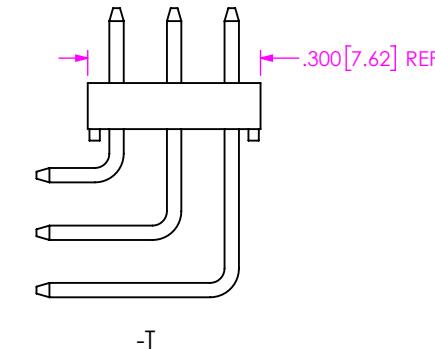
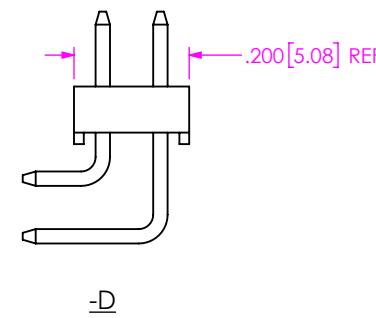
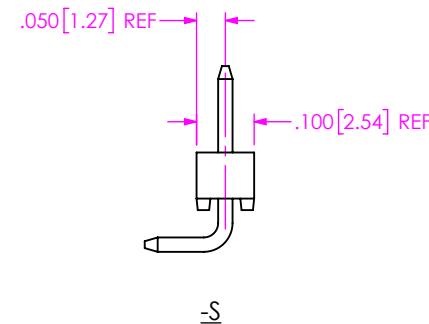
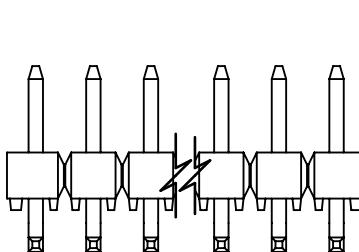


FIG 3  
MTSW-XXX-XX-X-S-XXXX-NX SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

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

DWG. NO. MTSW-XXX-XX-X-X-XXXX-XX-XXX

BY: PURVIS 02/17/1987 SHEET 2 OF 6

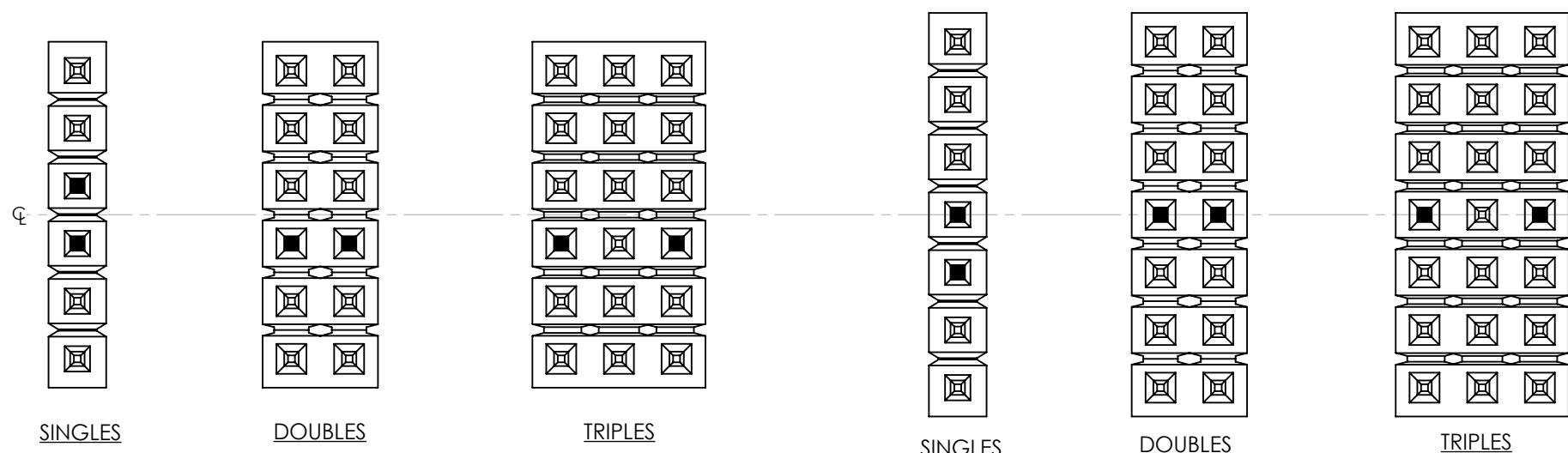
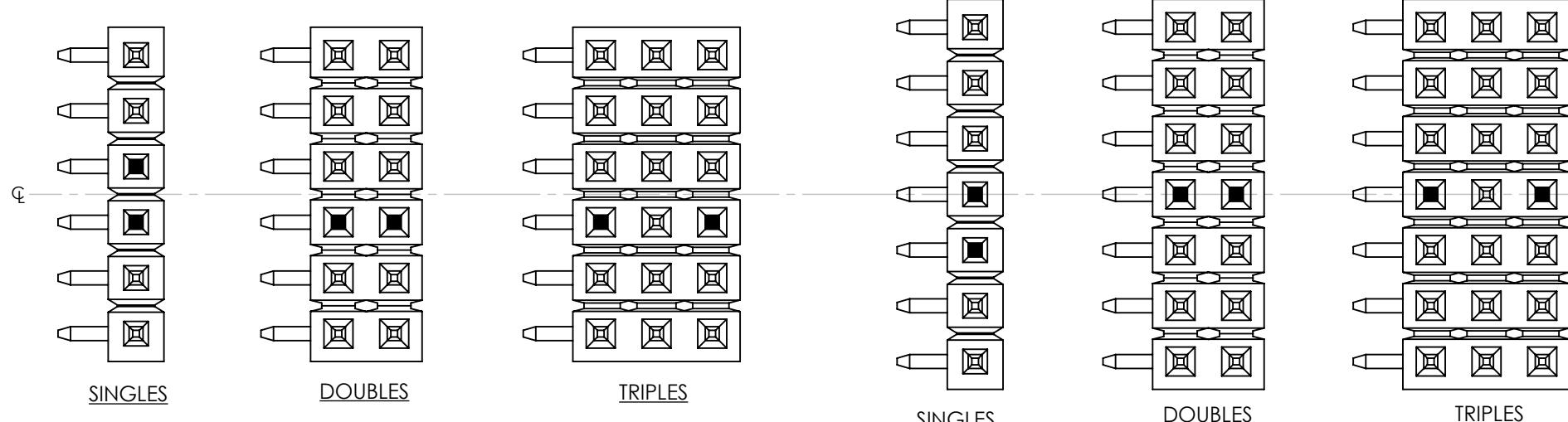
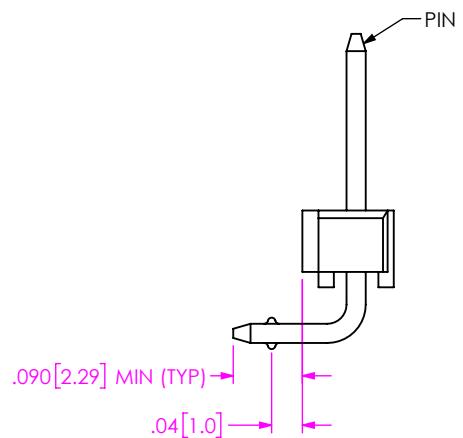


FIG 4  
(STRAIGHT & RA VERSIONS)  
■ = CRIMP LOCATION

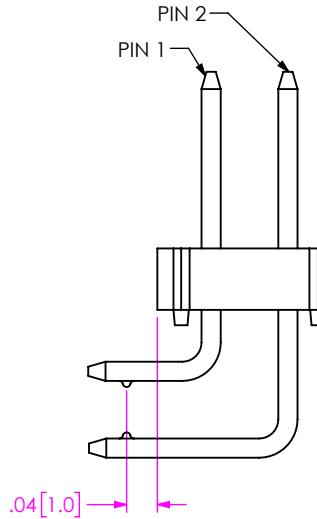
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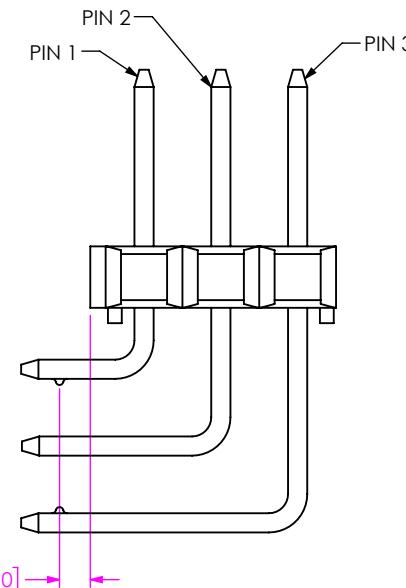
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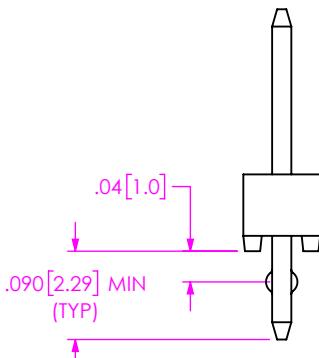
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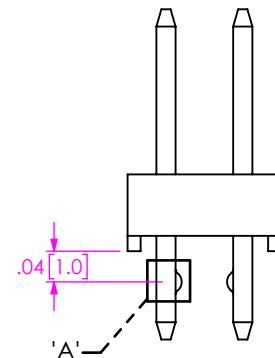
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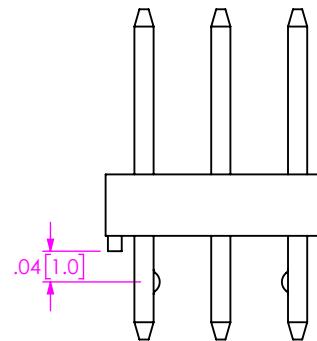
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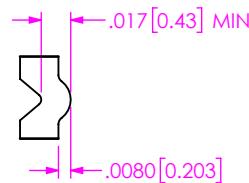
SINGLE  
(SHOWN WITH -LL OPTION)



DOUBLE  
(SHOWN WITH -LL OPTION)



TRIPLE  
(SHOWN WITH -LL OPTION)



DETAIL 'A'  
(CRIMP DETAIL)  
(TYP ALL CRIMPS)

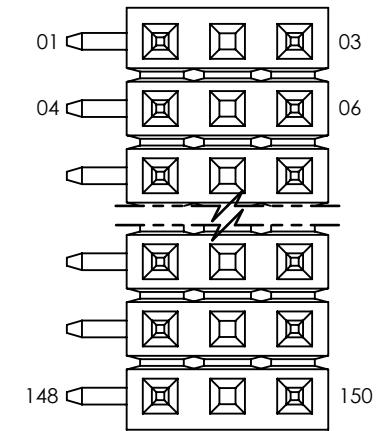
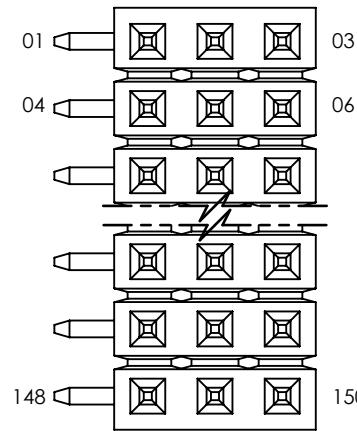
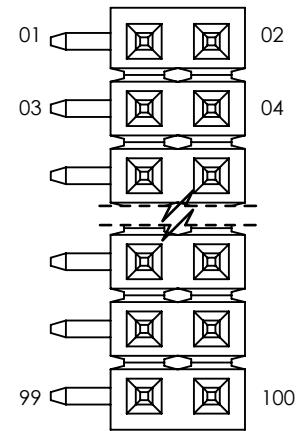
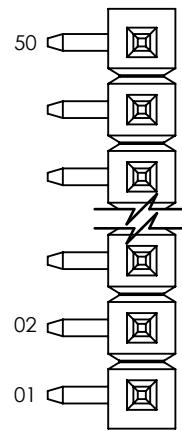
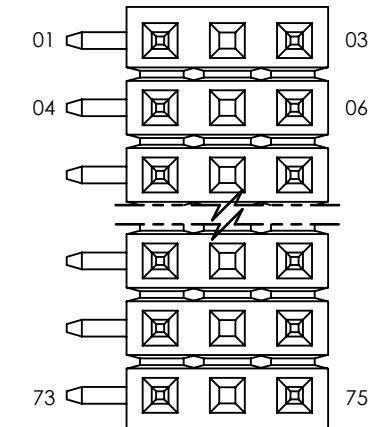
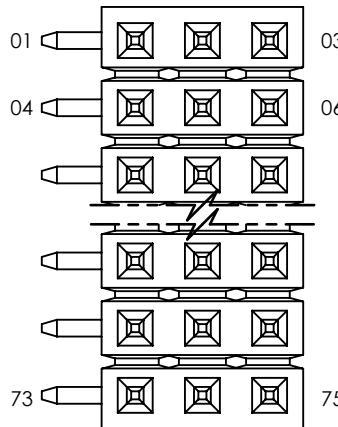
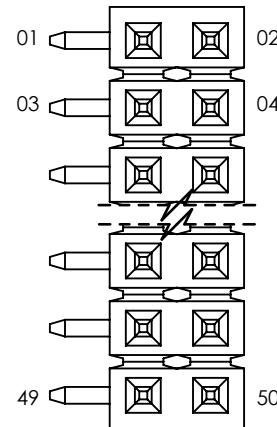
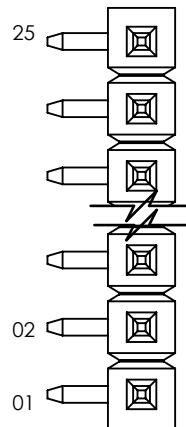
FIG 5

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BY: PURVIS 02/17/1987 SHEET 4 OF 6

-S: SINGLES-D: DOUBLES-T: TRIPLES-Q: TRIPLES  
(FILL OUTER ROWS ONLY)-1 = .100 TERMINAL SPACING-S: SINGLES-D: DOUBLES-T: TRIPLES-Q: TRIPLES  
(FILL OUTER ROWS ONLY)-2 = .200 TERMINAL SPACINGFIG 6  
POLARIZATION  
(STRAIGHT & RA VERSIONS)

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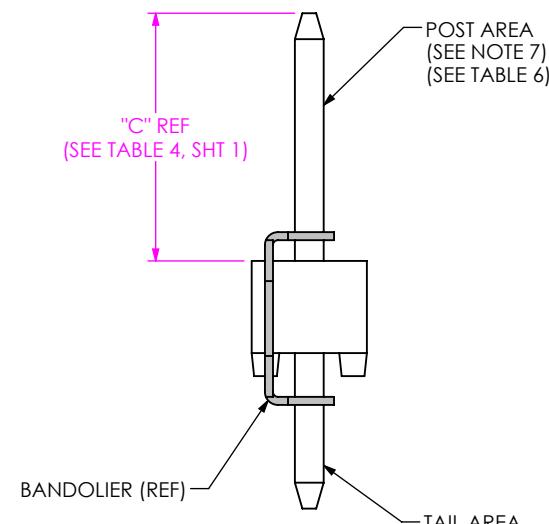
MTSW-XXX-XX-X-X-XXXX-XX-XXX

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TABLE 6

LEAD STYLE	NUMBER OF BAND MARKS ALLOWED IN POST AREA		
	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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