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TABLE 2					
BODY SPECIFICATION					
ROW/OPTION USE BODY					
-S, -S-NA/-NE	HTSW-50-S-LCP				
-S-RA/-S-RE	HTSW-50-SRA-LCP				
-D, -D-NA/NE	HTSW-50-D-LCP				
-D-RA	HTSW-50-DRA-LCP				
-T, -T-NA/-NE	HTSW-50-T-LCP				
-T-RA, -Q-RA	HTSW-50-TRA-LCP				
-Q	HTSW-50-T-LCP				

TERMINAL SPACE SPEC-POSITION IN BODY) NUMBER OF POSITIONS -1: -01 THRU -50 -2: -02 THRU -25

-1= .100 [2.54] (FILL EVERY POSITION) -2= .200 [5.08] (FILL EVERY OTHER POSITION STARTING WITH THE 1st AND ENDING WITH THE LAST "A"= NUMBER OF POS x .100[2.54] "A"= (NUMBER OF POS x .200[5.08])-.100[2.54] LEAD STYLE -

SEE TABLE 1, SHT 6

PLATING SPECIFICATIONS -

-G: 10μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL

-T: MATTE TIN CONTACT AND TAIL

-S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

-H: 30µ" HEAVY GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL

-L: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

-F: 3µ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

-E: 50μ" EXTRA HEAVY GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL

(AVAILABLE ON LEAD STYLES -07, -08, -09 STRAIGHT AND -08-D-RA) -TL: TIN/LEAD (90/10 $\pm 5\%$) CONTACT AND TAIL, (AVAILABLE ONLY ON LEAD STYLES -07, -08 & -09)

-TM: MATTE TIN CONTACT AND TAIL

-SM: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

-LM: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL -FM: 3µ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

-STL: 30µ" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10 ±5%) TAIL

-LTL: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10 +/-5%) TAIL, (AVAILABLE ONLY ON LEAD STYLE -15)

-SS: 30µ" STRIPE SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ONTAIL, (SEE NOTE 9)

OPTION 3 *-MW: METAL WASHER (STRAIGHT TAIL OPTION ONLY) ÎAVAILABLE ON 05, 06, 07, 08, 16, 17, 18, 22, 23,24, 25, 41 & 42 LEAD STYLES ONLY) (N/A WITH -LC OPTION. 20 POS MIN, 30 POS MAX. SEE FIG 6, SHT 5)

OPTION 2 -POLARIZING SPECIFICATION XXX INDICATES POS TO BE OMITTED

OPTION 1

HTSW-XXX-XX-XXX-X-XX-XX

-BLANK: STRAIGHT (SEE FIG. 1, SHT. 2) -RA: RIGHT ANGLE (SEE TABLE 3 & 4, FIG. 5, SHT. 4)

-RE: EXTENDED RIGHT ANGLE (SEE TABLE 3 & 4, FIG 5, SHT 4) (SINGLE ROW ONLY)

-NA: RA OPTION WITH STRAIGHT OPTION BODY (SEE TABLE 3 & 4, FIG 5, SHT 4)
-NE: RE OPTION WITH STRAIGHT OPTION BODY (SEE TABLE 3 & 4, FIG 5, SHT 4)

-LC: LOCKING CLIP (4 POS MINIMUM; ONLY AVAILABLE ON:

LEAD STYLES -08 THRU -13 & -22, WITH ROW OPTIONS -S & -D; N/A WITH -MW, -RA OR -RE OPTIONS; SEE FIG 2, SHT 2) -LA: -RA OPTION WITH -LL OPTION (SEE SHT 3)

-LL: LOCKING LEAD (SEE FIG 4, SHT'3) (N/A WITH -RE OR -NE OPTIONS)

N/A IN SINGLE ROW, 1 OR 2 POSITIONS)

ROW SPECIFICATION (SEE TABLE 2)

-S: SINGLE

-D: DOUBLE

-T: TRIPLE

-Q: TRIPLE ROW, FILL OUTER ROWS ONLY

* - MW OPTION, DO NOT DESIGN IN. SAMTEC WILL ONLY SUPPORT EXISTING BUSINESS 2/12/02.

CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE						
ASSEMBLY OPERATION	IN-PROCESS INSPECTION					
FILL	C1					
MULTI-CUT	C2					
RIGHT ANGLE	C4					
RIGHT ANGLE	C5					
RIGHT ANGLE	C6					
CRIMP	C7					
CPCs INTENTIONALLY DELETED:	C3					

NOTES:

- © REPRESENTS CRITICAL DIMENSION FOR STATISTICAL PROCESS CONTROL.
- 2. MINIMUM TERMINAL PUSHOUT FORCE: 3 LBS.
- 3. MAXIMUM HEIGHT VARIATION: .005[.127] (N/A ON -RA TAIL).
- 4. ASSEMBLE GOLD PLATE END AS SHOWN IN FIG 1.
- 5. STYLE -26: ROUND END OF PIN TO APPEAR ON BOTTOM (SEE FIG 7, SHT 6).
- 6. MINIMUM GOLD PLATED CONTACT AREA: .165[4.19] REF; PINS -18, -21 & -25: .050[1.27] REF. 7. CRIMP TWO PINS CLOSEST TO CENTER OF THE PART IF THERE IS A POLARIZED POSITION
- IN THE MIDDLE/CENTER.
- 8. MAXIMUM CUT FLASH: .010 [.25]. 9. -SS PLATING OPTION ONLY AVAILABLE ON -07, -08, -09 STRAIGHT AND -08 -RA LEAD STYLES. MATES WITH SSQ, SSW, SSM, BCS, ESQ & ESW.
- 10. MEASURE FROM THE BEND RADIUS OF THE TERMINALS.
- 11. ORIENTATE PINS TO PREVENT BANDOLIER MARKS FROM SHOWING IN THE POST AREA. (SEE TABLE 6, SHT 7).

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: **DECIMALS** .XX: ±.01 [.25] .XXX: ±.005 [.13]

.XXXX: ±.0020 [.051]

COLOR: NATURAL

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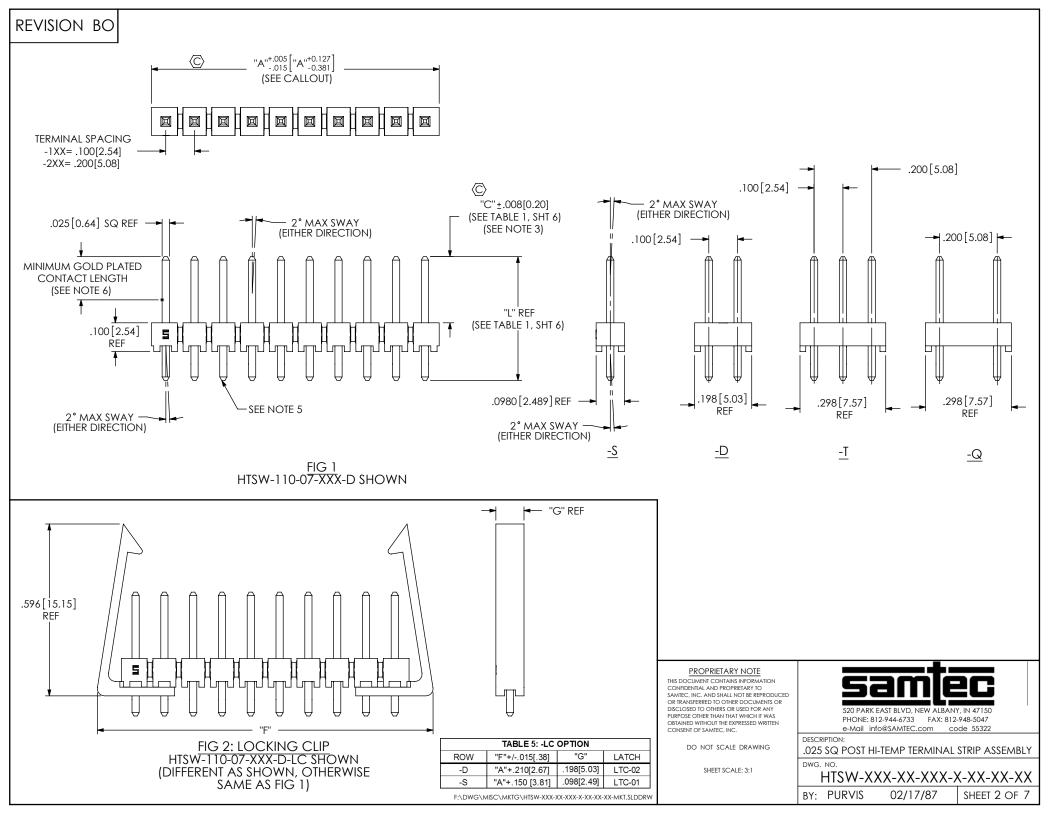
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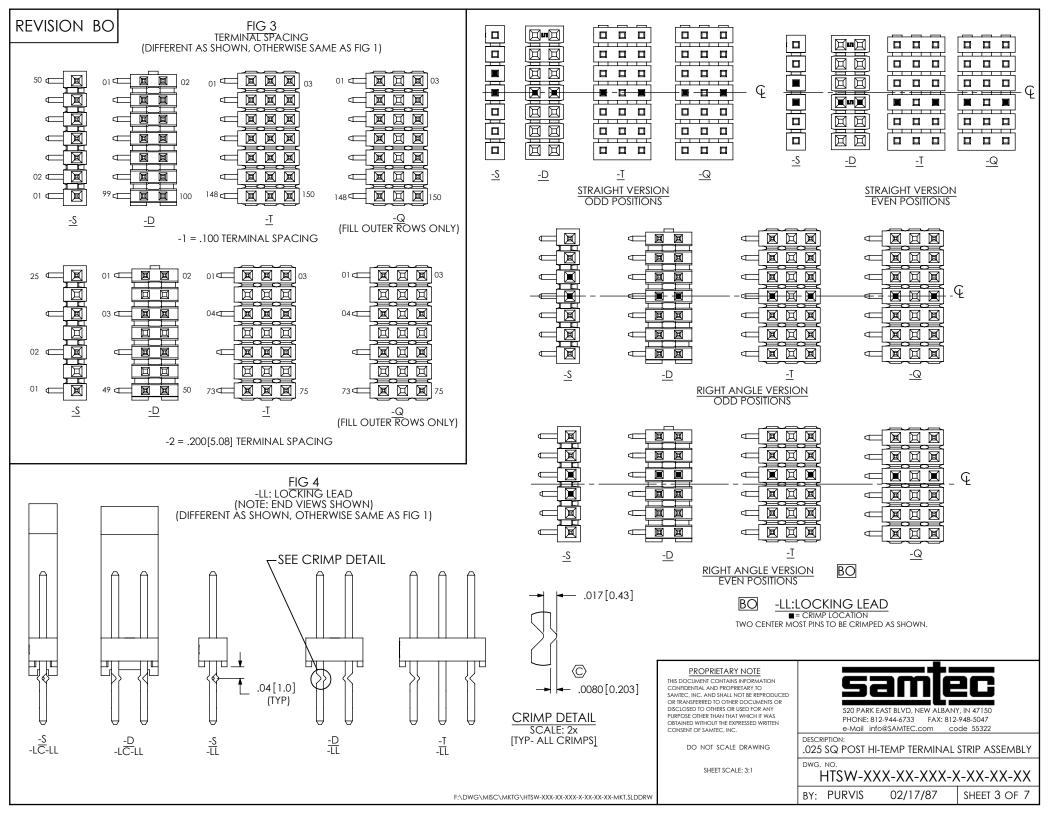
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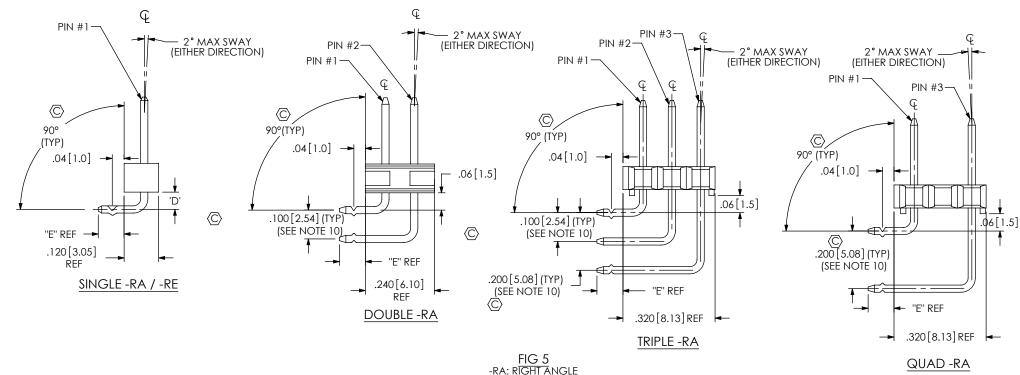
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BY: PURVIS 02/17/87 SHEET 1 OF 7





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-RA: R ĪGHT A NGLE
(-LA OPTION IS SHOWN ON ALL -RA VIEWS
FOR DIMENSIONAL PURPOSES)
(SEE CRIMP DETAIL VIEW, SHT 3)
(DIFFERENT AS SHOWN, OTHERWISE SAMÉ AS FIG 1)

TABLE 4 - "E"								
LEAD STYLE	RA SINGLE	RE SINGLE	RA DOUBLE	RA TRIPLE	NA SINGLE	NE SINGLE	NA DOUBLE	NA TRIPLE
08	.090 [2.29]	N/A	.090 [2.29]	.090 [2.29]	.109 [2.77]	N/A	.109 [2.77]	.109 [2.77]
09	.290 [7.37]	.190 [4.83]	.290 [7.37]	.290 [7.37]	.309 [7.85]	.209 [5.31]	.309 [7.85]	.309 [7.85]
10	.390 [9.91]	.290 [7.37]	.390 [9.91]	.390 [9.91]	.409 [10.39]	.309 [7.85]	.409 [10.39]	.409 [10.39]
11	.490 [12.45]	.390 [9.91]	.490 [12.45]	.490 [12.45]	.509 [12.93]	.409 [10.39]	.509 [12.93]	.509 [12.93]
12	.590 [14.99]	.490 [12.45]	.590 [14.99]	.590 [14.99]	.609 [15.47]	.509 [12.93]	.609 [15.47]	.609 [15.47]
13	.790 [20.07]	.690 [17.53]	.790 [20.07]	N/A	.809 [20.55]	.709 [18.01]	.809 [20.55]	N/A
16	.200 [5.08]	.100 [2.54]	.200 [5.08]	.200 [5.08]	.219 [5.56]	.119 [3.02]	.219 [5.56]	.219 [5.56]
21	.990 [25.15]	.890 [22.61]	N/A	N/A	1.009 [25.63]	.909 [23.09]	N/A	N/A
22	.190 [4.83]	.090 [2.29]	.190 [4.83]	.190 [4.83]	.209 [5.31]	.109 [2.77]	.209 [5.31]	.209 [5.31]
25	.100 [2.54]	N/A	.100 [2.54]	.100 [2.54]	.119 [3.02]	N/A	.119 [3.02]	.119 [3.02]
27	.890 [22.61]	.790 [20.07]	N/A	N/A	.909 [23.09]	.809 [20.55]	N/A	N/A
28	.690 [17.53]	.590 [14.99]	.690 [17.53]	N/A	.709 [18.01]	.609 [15.47]	.709 [18.01]	N/A
29	.800 [20.32]	N/A	N/A	N/A	.819 [20.80]	N/A	N/A	N/A
30	.600 [15.24]	N/A	.600 [15.24]	N/A	.619 [15.72]	N/A	.619 [15.72]	N/A

TAB	LE 3
-XX	"D"
-RA / -NA	.06 [1.5]
-RE / -NE	.16 [4.1]

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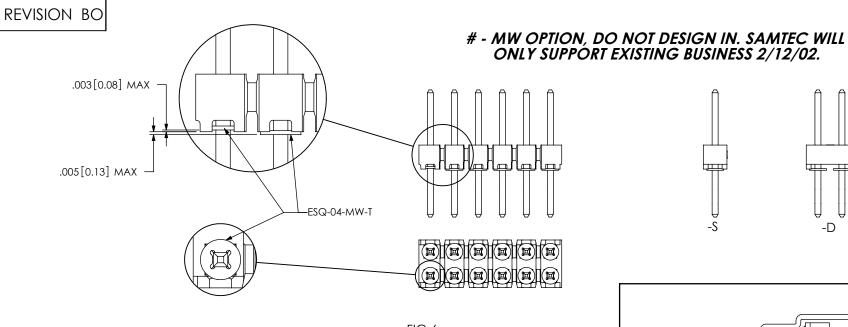


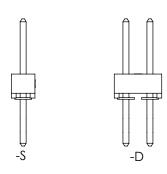
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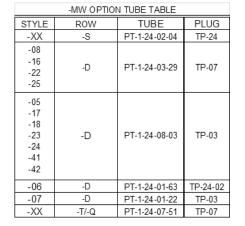
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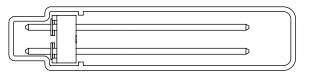
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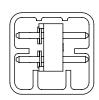




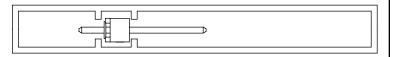




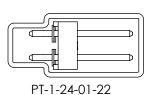
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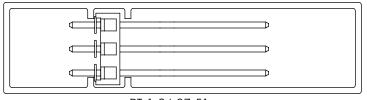


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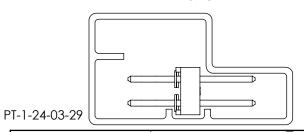


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REVISION BO

TABLE 1									
TERMINAL SPECIFICATIONS									
TERMINAL SPEC	PN #1	RN #1 "L" RN #2 (2) PN #3		"C"					
-05 (3)	T-1S6-21-XXX-2	.335 [8.51]	N/A	N/A	.105 [2.67]	(5)			
-06 (3)	T-1S6-18-XXX-2	.300 [7.62]	N/A	N/A	.105 [2.67]	(5)			
-07 (3)	T-1S6-07-XXX-2	.430 [10.92]	N/A	N/A	.230 [5.84]	(5)			
-08 (4)	T-1S6-08-XXX-2	.530 [13.46]	T-1S6-09-XXX-2	T-1S6-11-XXX-2	.230 [5.84]	(5) (6) (7)			
-09	T-1S6-09-XXX-2	.730 [18.54]	T-1S6-11-XXX-2	T-1S6-20-XXX-2	.230 [5.84]	(6)			
-10	T-1S6-10-XXX-2	.830 [21.08]	T-1S6-12-XXX-2	T-1S6-13-XXX-2	.230 [5.84]				
-11	T-1S6-11-XXX-2	.930 [23.62]	T-1S6-20-XXX-2	T-1S6-19-XXX-2	.230 [5.84]				
-12	T-1S6-12-XXX-2	1.030 [26.16]	T-1S6-13-XXX-2	T-1S6-14-XXX-2	.230 [5.84]				
-13	T-1S6-13-XXX-2	1.230 [31.24]	T-1S6-14-XXX-2	N/A	.230 [5.84]				
-14 (3)	T-1S6-08-XXX-2	.530 [13.46]	N/A	N/A	.320 [8.13]	(5)			
-15 (3)	T-1S6-09-XXX-2	.730 [18.54]	N/A	N/A	.520 [13.21]	(5)			
-16	T-1S6-09-XXX-2	.730 [18.54]	T-1S6-11-XXX-2	T-1S6-20-XXX-2	.320 [8.13]	(5) (6)			
-17 (3)	T-1S6-10-XXX-2	.830 [21.08]	N/A	N/A	.620 [15.75]	(5)			
-18 (3)	T-1S6-11-XXX-2	.930 [23.62]	N/A	N/A	.720 [18.29]	(5)			
-19 (3)	T-1S6-12-XXX-2	1.030 [26.16]	N/A	N/A	.820 [20.83]	(5)			
-20 (3)	T-1S6-13-XXX-2	1.230 [31.24]	N/A	N/A	1.020 [25.91]	(5)			
-21	T-1S6-14-XXX-2	1.430 [36.32]	N/A	N/A	1.220 [30.99]	(5)			
-21 (1)	T-1S6-14-XXX-2	1.430 [36.32]	N/A	N/A	.230 [5.84]				
-22	T-1S6-15-XXX-2	.630 [16.00]	T-1S6-10-XXX-2	T-1S6-12-XXX-2	.230 [5.84]	(5) (6)			
-23 (3)	T-1S6-16-XXX-2	.445 [11.30]	N/A	N/A	.230 [5.84]	(5)			
-24 (3)	T-1S6-17-XXX-2	.480 [12.19]	N/A	N/A	.265 [6.73]	(5)			
-25 (4)	T-1S6-15-XXX-2	.630 [16.00]	T-1S6-10-XXX-2	T-1S6-12-XXX-2	.320 [8.13]	(5) (6)			
*-26 (3)	T-1RS7-01-XXX-2	.456 [11.58]	N/A	N/A	.230 [5.84]				
-27	T-1S6-19-XXX-2	1.330 [33.78]	N/A	N/A	.230 [5.84]				
-28	T-1S6-20-XXX-2	1.130 [28.70]	T-1S6-19-XXX-2	N/A	.230 [5.84]				
-29 (4)	T-1S6-19-XXX-2	1.330 [33.78]	N/A	N/A	.320 [8.13]				
-30 (4)	T-1S6-20-XXX-2	1.130 [28.70]	T-1S6-19-XXX-2	N/A	.320 [8.13]				
-41	T-1S6-25-XXX-2	.365 [9.27]	N/A	N/A	.230 [5.84]				
-42	T-1S6-26-XXX-2	.470 [11.94]	N/A	N/A	.320 [8.13]				

(1) WITH -RA or -RE OPTION

(5) AVAILABLE IN -LL OPTION.

(2) OMIT WITH -Q ROW SPECIFICATION (6) AVAILABLE IN -LA OPTION.
(3) NOT AVAILABLE IN -RA OR -RE OPTION. (7) ON STYLE -08 -RA & -LA
(4) NOT AVAILABLE IN -RE OPTION. OPTIONS ONLY; 'C' = .230+.005/-.008 [5.84+.13/-.20]
*SQUARE END OF PIN(T-1RS7-01-XXX-2)SHOULD BE LOCATED AT "C" DIMENSION DURING FILL PROCESS. (SEE FIG 7)

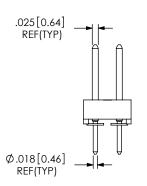


FIG 7
-26 LEAD STYLE
(SAME AS FIG 1, DIFFERENT AS SHOWN)

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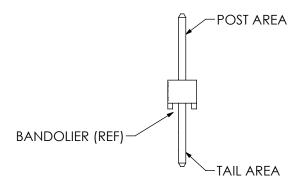
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TABLE 6 (-T PLATING ONLY)								
	NUMBER OF BAND MARKS ALLOWED IN POST AREA				NUMBER OF BAND MARKS ALLOWED IN POST AREA			
LEAD STYLE	PIN #1	PIN #2	PIN #3	LEAD STYLE	PIN #1	PIN #2	PIN #3	
*-05	*0	N/A	N/A	*-17	2	N/A	N/A	
-06	1	N/A	N/A	*-18	2	N/A	N/A	
-07	1	N/A	N/A	*-19	2	N/A	N/A	
-08	0	0	0	*-20	2	N/A	N/A	
-08 RA	0	0	0	*-21	2	N/A	N/A	
-09	0	0	0	-21-RA	0	N/A	N/A	
-09 RA	0	0	0	-21-RE	0	N/A	N/A	
-09-RE	0	0	0	-22	0	0	0	
-10	0	0	0	-22-RA	0	0	0	
-10-RA	0	0	0	-22-RE	0	0	0	
-10-RE	0	0	0	-23	1	N/A	N/A	
-11	0	0	0	-24	1	N/A	N/A	
-11-RA	0	0	0	-25	1	1	1	
-11-RE	0	0	0	*-25-RA	1	0	0	
-12	0	0	0	*-26	1	N/A	N/A	
-12-RA	0	0	0	*-27	0	N/A	N/A	
-12-RE	0	0	0	*-27-RA	0	N/A	N/A	
-13	0	0	N/A	*-27-RE	0	N/A	N/A	
-13-RA	0	0	N/A	*-28	0	0	N/A	
-13-RE	0	0	N/A	*-28-RA	0	0	N/A	
-14	1	N/A	N/A	*-28-RE	0	0	N/A	
*-15	2	N/A	N/A	*-29	1	N/A	N/A	
*-16	1	1	1	*-29-RA	1	N/A	N/A	
*-16-RA	1	1	1	*-30	1	1	N/A	
*-16-RE	1	1	1	*-30-RA	1	1	N/A	

^{*} PINS TO BE FLIPPED OPPOSITE OF SELECTIVE PLATING BEFORE BEING INSERTED



IN PROCESS 1 (SAME AS FIG. 1, DIFFERENT AS SHOWN) -T PLATING ONLY

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DESCRIPTION:

.025 SQ POST HI-TEMP TERMINAL STRIP ASSEMBLY

WG NO

HTSW-XXX-XX-XXX-X-XX-XX

BY: PURVIS 02/17/87 SHEET 7 OF 7