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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
-1= .100 [2.54] (FILL EVERY POSITION)
-2= .200 [5.08] (FILL EVERY OTHER
POSITION STARTING WITH THE 1st
AND ENDING WITH THE LAST
POSITION IN BODY)

NUMBER OF POSITIONS
-1: -01 THRU -50
"A"= NUMBER OF POS x .100[2.54]
-2: -02 THRU -25
"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 ±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 ON TAIL, (SEE NOTE 9)

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

OPTION 3
*-MW: METAL WASHER
(STRAIGHT TAIL OPTION ONLY)
(AVAILABLE 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
-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:
- 1. Ⓞ 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 | ANGLES |
| .XX: ±.01 [.25] | 2° |
| .XXX: ±.005 [.13] | |
| .XXXX: ±.0020 [.051] | |

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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3.5:1

INSULATOR: LCP, UL-94-V-0

COLOR: NATURAL

DESCRIPTION:
.025 SQ POST HI-TEMP TERMINAL STRIP ASSEMBLY

DWG. NO.
HTSW-XXX-XX-XXX-X-XX-XX-XX

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

F:\DWG\MISC\MKTG\HTSW-XXX-XX-XXX-X-XX-XX-XX-MKT.SLDDRW

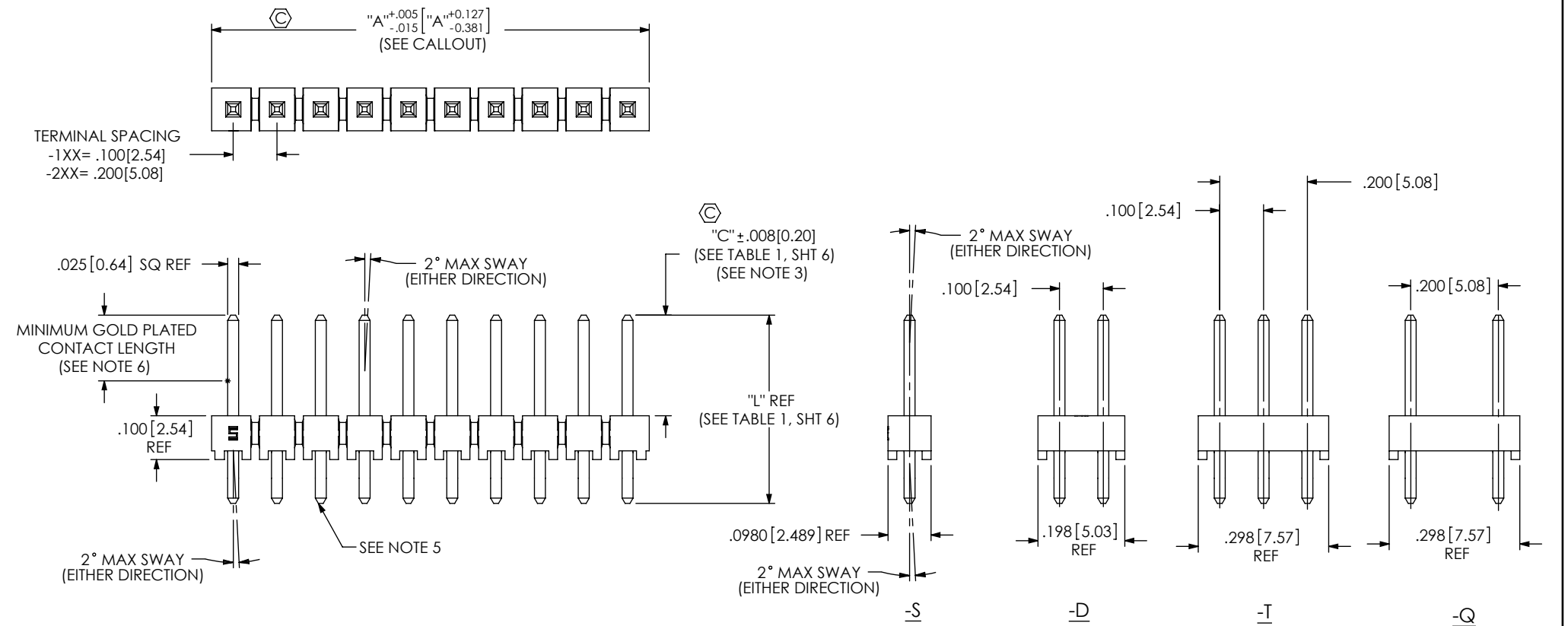


FIG 1
HTSW-110-07-XXX-D SHOWN

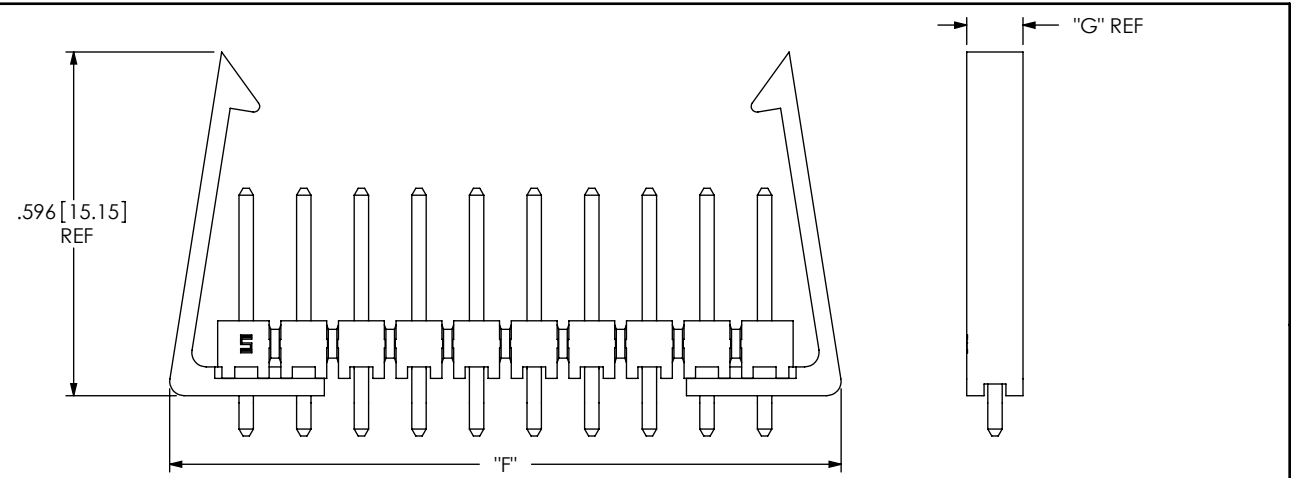


FIG 2: LOCKING CLIP
HTSW-110-07-XXX-D-LC SHOWN
(DIFFERENT AS SHOWN, OTHERWISE
SAME AS FIG 1)

| TABLE 5: -LC OPTION | | | |
|---------------------|------------------|------------|--------|
| ROW | "F" + .015[.38] | "G" REF | LATCH |
| -D | "A" + .210[2.67] | .198[5.03] | LTC-02 |
| -S | "A" + .150[3.81] | .098[2.49] | LTC-01 |

F:\DWG\MISC\MKTG\HTSW-XXX-XX-XXX-X-XX-XX-XX-MKT.SLDDRW

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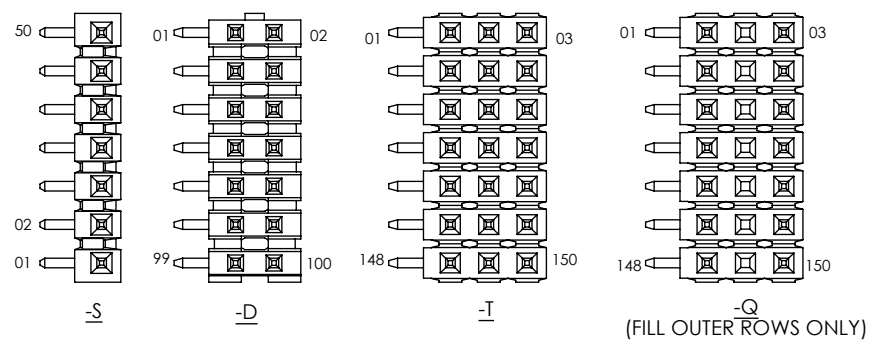
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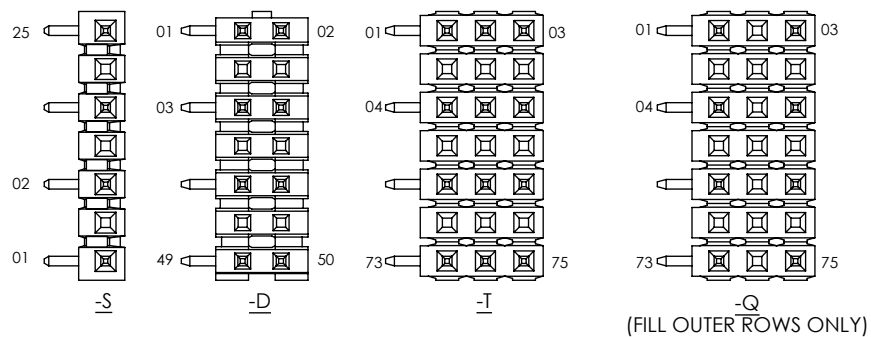
DWG. NO.
HTSW-XXX-XX-XXX-X-XX-XX-XX

BY: PURVIS 02/17/87 SHEET 2 OF 7

FIG 3
TERMINAL SPACING
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

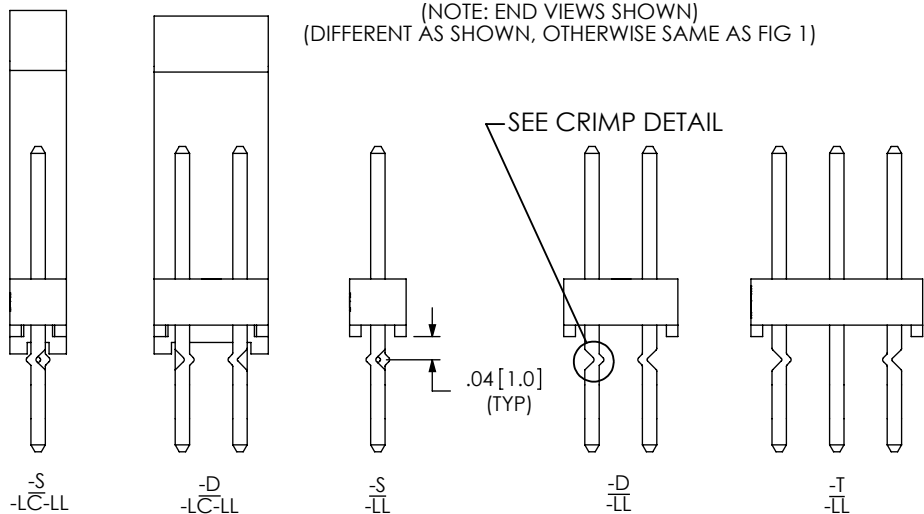


-1 = .100 TERMINAL SPACING



-2 = .200[5.08] TERMINAL SPACING

FIG 4
-LL: LOCKING LEAD
(NOTE: END VIEWS SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



-S
-LC-LL

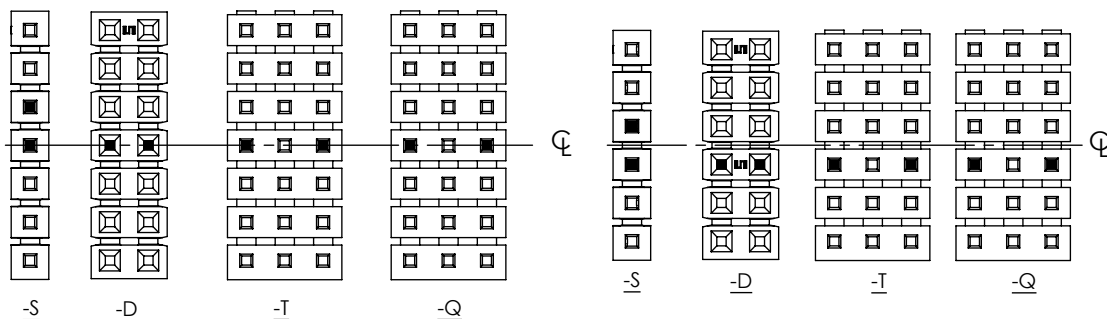
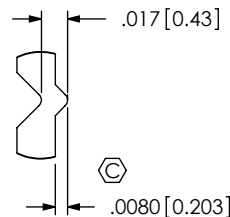
-D
-LC-LL

-S
-LL

-D
-LL

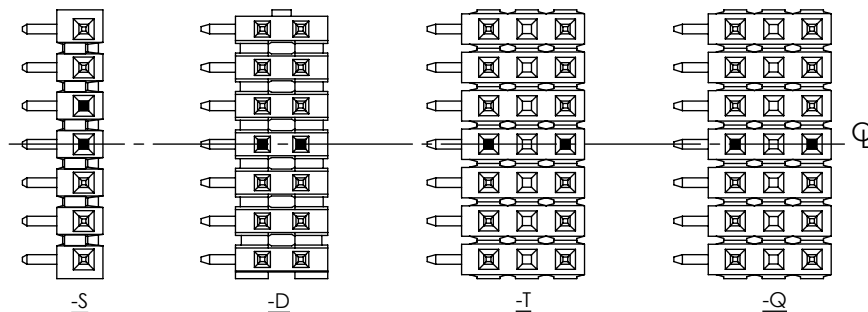
-I
-LL

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

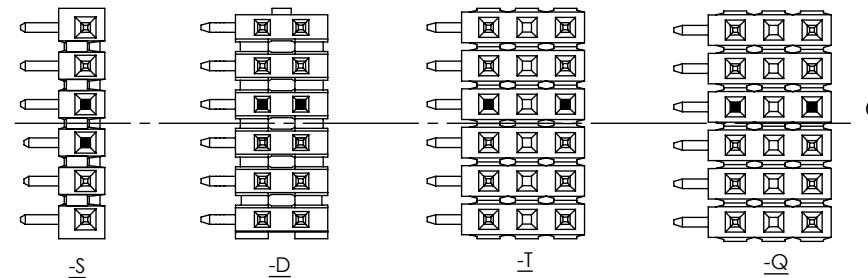


STRAIGHT VERSION
ODD POSITIONS

STRAIGHT VERSION
EVEN POSITIONS



RIGHT ANGLE VERSION
ODD POSITIONS



RIGHT ANGLE VERSION
EVEN POSITIONS

BO -LL: LOCKING LEAD

■ = CRIMP LOCATION

TWO CENTER MOST PINS TO BE CRIMPED AS SHOWN.

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DESCRIPTION:
.025 SQ POST HI-TEMP TERMINAL STRIP ASSEMBLY

DWG. NO.

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

BY: PURVIS 02/17/87

SHEET 3 OF 7

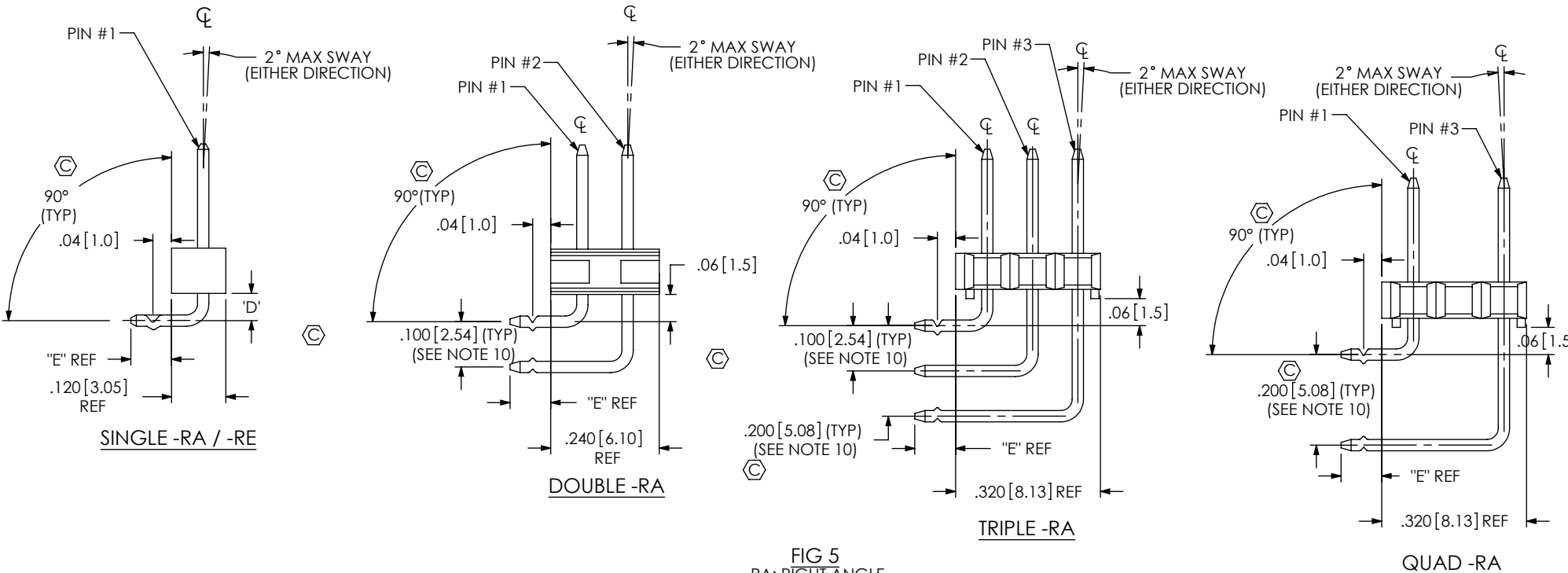


FIG 5
-RA: RIGHT ANGLE
(-LA OPTION IS SHOWN ON ALL -RA VIEWS
FOR DIMENSIONAL PURPOSES)
(SEE CRIMP DETAIL VIEW, SHT 3)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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 |

TABLE 3

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

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DESCRIPTION:
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DWG. NO.
HTSW-XXX-XX-XXX-X-XX-XX-XX

BY: PURVIS 02/17/87 SHEET 4 OF 7

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

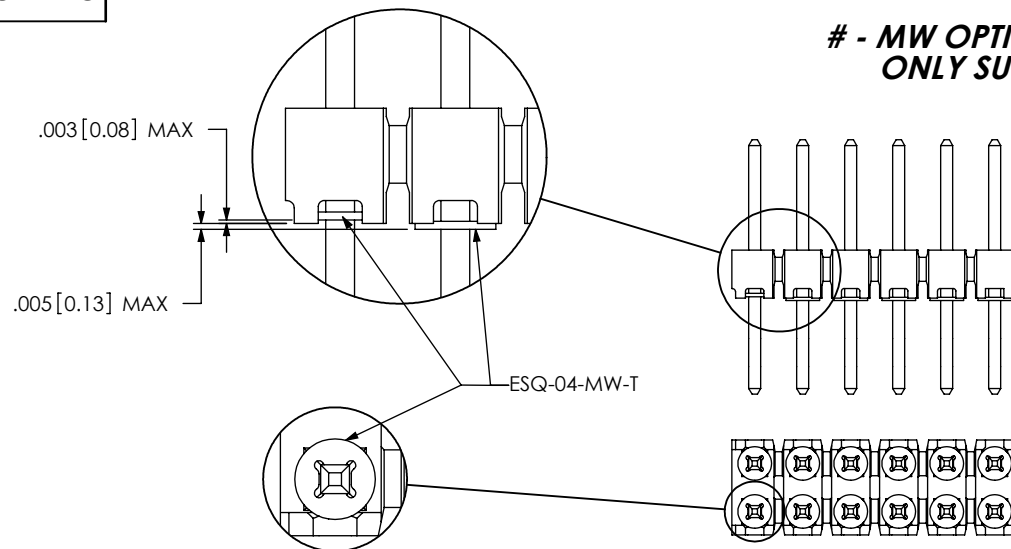
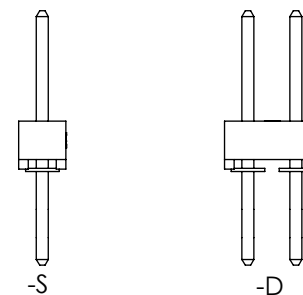
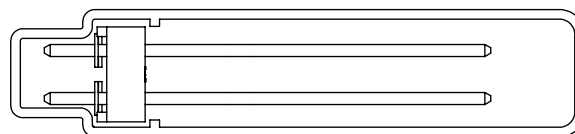


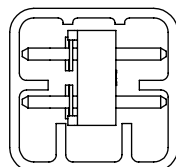
FIG 6
*-MW: METAL WASHER
(ONE PER POSITION)



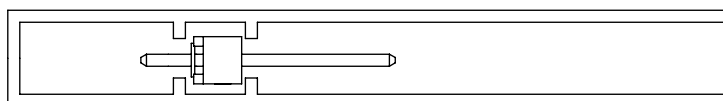
| -MW OPTION TUBE TABLE | | | |
|---|-------|---------------|----------|
| STYLE | ROW | TUBE | PLUG |
| -XX | -S | PT-1-24-02-04 | TP-24 |
| -08 -16 -22 -25 | -D | PT-1-24-03-29 | TP-07 |
| -05 -17 -18 -23 -24 -41 -42 | -D | PT-1-24-08-03 | TP-03 |
| -06 | -D | PT-1-24-01-63 | TP-24-02 |
| -07 | -D | PT-1-24-01-22 | TP-03 |
| -XX | -T/-Q | PT-1-24-07-51 | TP-07 |



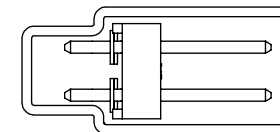
PT-1-24-08-03



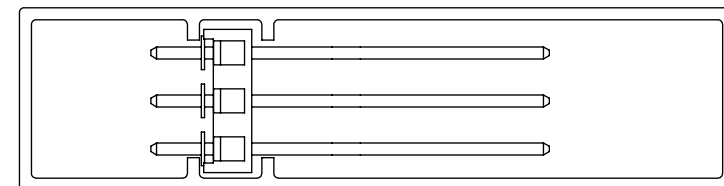
PT-1-24-01-63



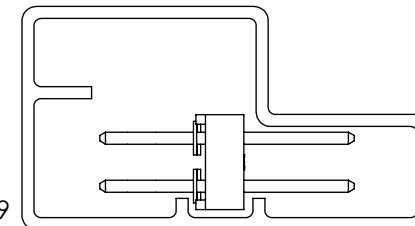
PT-1-24-02-04



PT-1-24-01-22



PT-1-24-07-51



PT-1-24-03-29

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DESCRIPTION:
.025 SQ POST HI-TEMP TERMINAL STRIP ASSEMBLY

DWG. NO.
HTSW-XXX-XX-XXX-X-XX-XX-XX

BY: PURVIS 02/17/87 SHEET 5 OF 7

TABLE 1
TERMINAL SPECIFICATIONS

| TERMINAL SPEC | PIN #1 | "L" | PIN #2 (2) | PIN #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] |

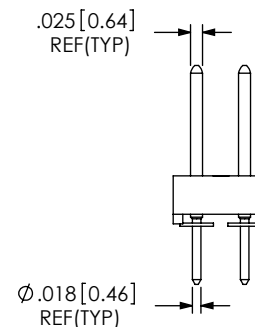


FIG 7
-26 LEAD STYLE
(SAME AS FIG 1, DIFFERENT AS SHOWN)

- (1) WITH -RA or -RE OPTION
 (2) OMIT WITH -Q ROW SPECIFICATION
 (3) NOT AVAILABLE IN -RA OR -RE OPTION.
 (4) NOT AVAILABLE IN -RE OPTION.
 (5) AVAILABLE IN -LL OPTION.
 (6) AVAILABLE IN -LA OPTION.
 (7) ON STYLE -08 -RA & -LA
 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)

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DESCRIPTION:
.025 SQ POST HI-TEMP TERMINAL STRIP ASSEMBLY

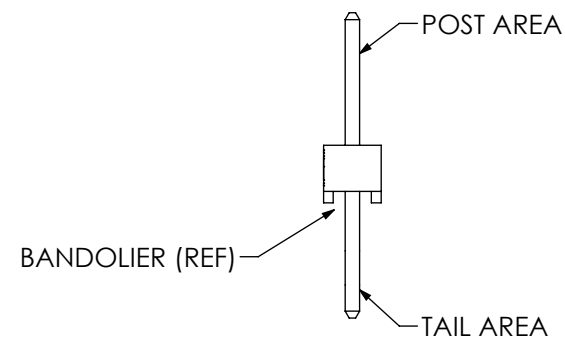
DWG. NO.
HTSW-XXX-XX-XXX-X-XX-XX-XX

BY: PURVIS 02/17/87 SHEET 6 OF 7

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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