



**THE DATASHEET OF  
HMTSW-102-08-F-S-185-RA**



DO NOT SCALE FROM THIS PRINT

NOTES:

1.  $\text{\textcircled{C}}$  REPRESENTS A CRITICAL DIMENSION FOR STATISTICAL PROCESS CONTROL.
2. MINIMUM TERMINAL PUSHOUT FORCE: 3 LBS
3. MAXIMUM HEIGHT VARIATION BETWEEN ANY TWO ROWS: .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.
6. NOTE DELETED.
7. MAXIMUM CUT FLASH: .010 [0.25]
8. NOTE DELETED.

HMTSW-XXX-XX-XXX-X-XXXX-XX-XX

TERMINAL SPACE SPEC.

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

TERMINAL SPECIFICATION

(SEE TABLE 1, SHT 3)

PLATING SPECIFICATION

- G: 10 $\mu$ " GOLD IN CONTACT AREA, 3 $\mu$ " GOLD ON TAIL
- T: MATTE TIN ON CONTACT AND TAIL
- S: 30 $\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H: 30 $\mu$ " GOLD IN CONTACT AREA, 3 $\mu$ " GOLD ON TAIL
- L: 10 $\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- F: 3 $\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- E: 50 $\mu$ " GOLD IN CONTACT AREA, 3 $\mu$ " GOLD ON TAIL (ONLY AVAILABLE ON TERMINAL SPECIFICATIONS -07, -08, -09, -13, -14) (NOT AVAILABLE ON -RA, -RE, -NA, -NE, -LA)
- TL: TIN/LEAD (90/10 $\pm$ 5%) CONTACT AND TAIL (ONLY AVAILABLE ON LEAD STYLES -07, -08, & -09)
- TM: MATTE TIN CONTACT AND TAIL
- SM: 30 $\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- LM: 10 $\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- FM: 3 $\mu$ " SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- STL: 30 $\mu$ " SELECTIVE GOLD IN CONTACT AREA, TIN LEAD (90/10 $\pm$ 5%) TAIL

OPTION #2

-POLARIZATION SPEC  
XXX INDICATES POSITION TO BE OMITTED (SEE FIG 2, SHT 2)

OPTION #1

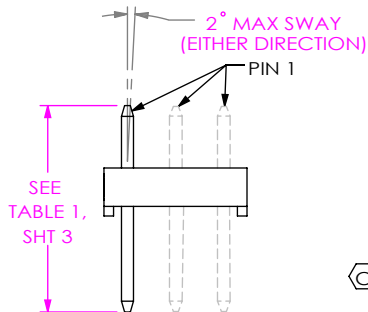
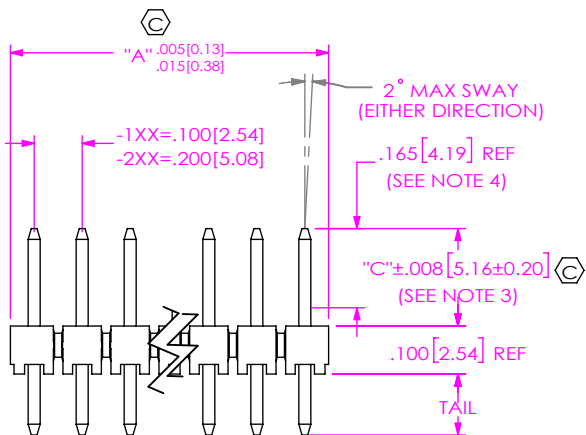
- BLANK: STRAIGHT
- RA: RIGHT ANGLE (SEE TABLE 3, SHT 3 & FIG 3, SHT 2) (-RA OPTION WITH -LL OPTION EQUALS TO -LA OPTION)
- RE: EXTENDED RIGHT ANGLE (SEE TABLE 3, SHT 3 & FIG 3, SHT 2) (SINGLE ROW ONLY) (-07,-23,-24 N/A)
- NA: RA OPTIONS WITH STRAIGHT OPTION BODY (-NA OPTION WITH -LL OPTION IS VALID)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

POST HEIGHT

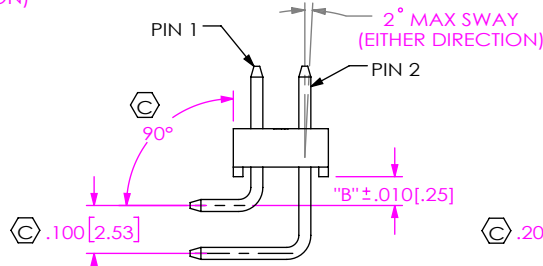
XXXX = "C" (SEE TABLE 4, SHT 3)

ROW SPECIFICATION (SEE TABLE 2)

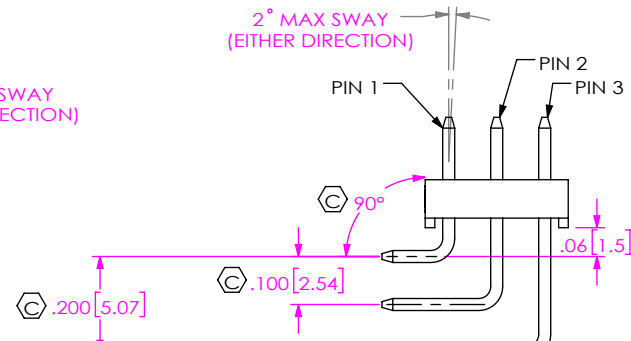
- S: SINGLE
- D: DOUBLE
- T: TRIPLE
- Q: TRIPLE TOW (FILL OUTER TWO ROWS)



STRAIGHT



SINGLE -RA/-RE  
DOUBLE -RA



TRIPLE -RA

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

- DECIMALS ANGLES
- .XX:  $\pm$ .01[0.3]
- .XXX:  $\pm$ .005[0.13]
- .XXXX:  $\pm$ .0020[0.051]

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MATERIAL:

LCP, UL 94 VO, COLOR: NATURAL

DESCRIPTION:

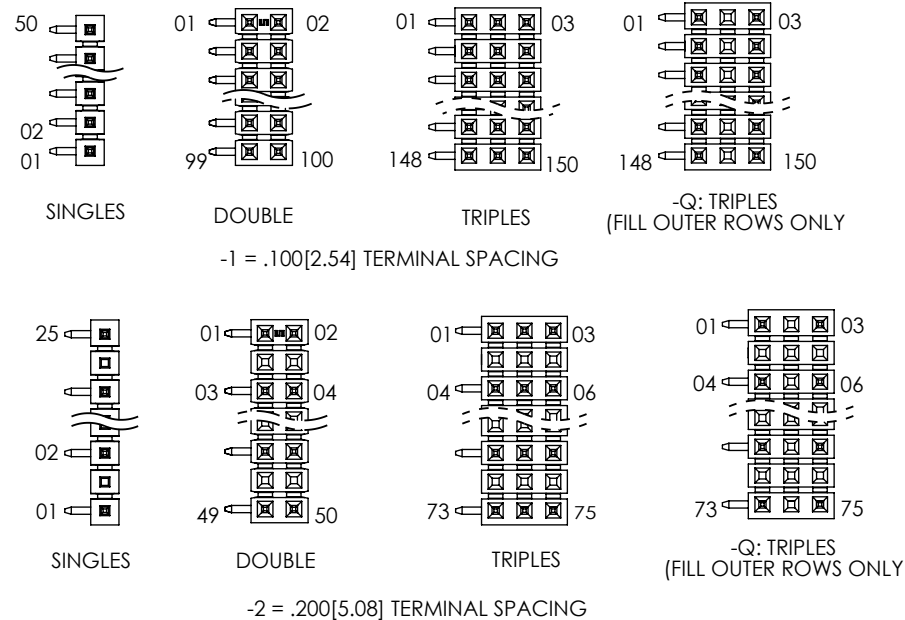
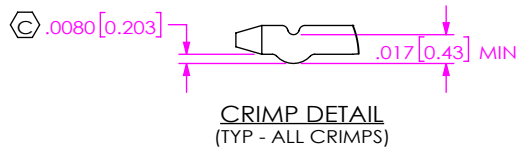
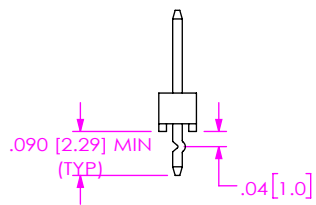
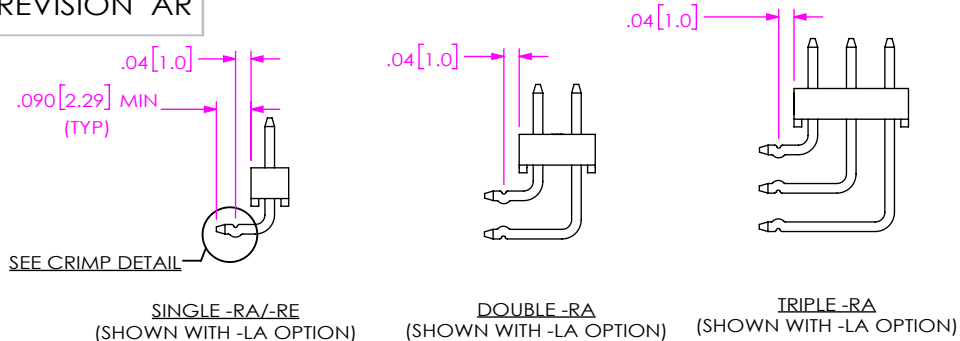
.025 SQ POST HI-TEMP TERMINAL STRIP

DWG. NO.

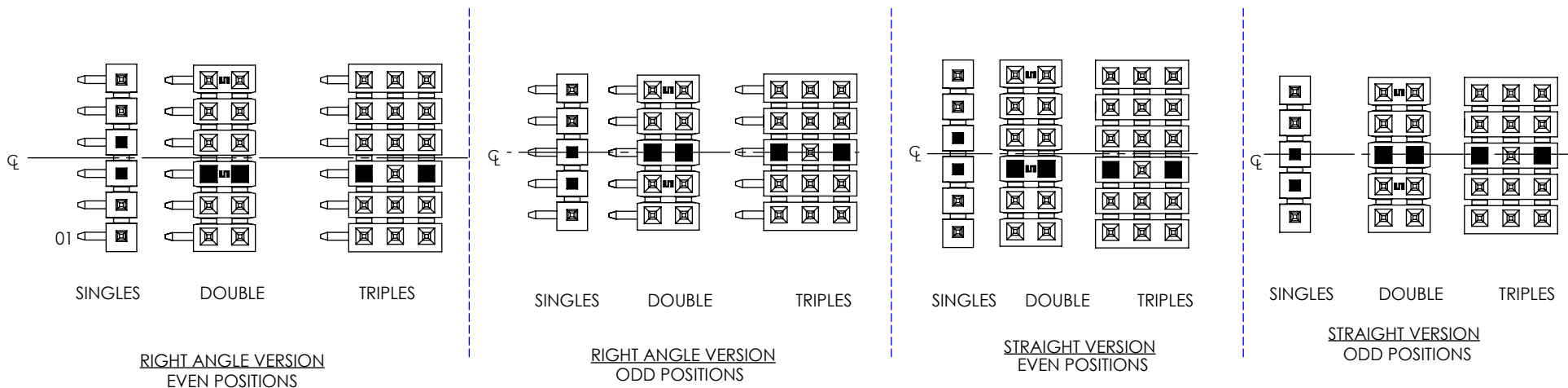
HMTSW-XXX-XX-XXX-X-XXXX-XX-XX

BY: JORDAN 03/25/1987

SHEET 1 OF 3



**FIG 2**  
**POLARIZATION**  
(STRAIGHT & RA VERSIONS)



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DESCRIPTION:  
.025 SQ POST HI-TEMP TERMINAL STRIP  
DWG. NO.  
HMTSW-XXX-XX-XXX-X-XXXX-XX-XX  
BY: JORDAN 03/25/1987 SHEET 2 OF 3

| TABLE 1                 |               |               |               |               |               |               |
|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| TERMINAL SPECIFICATIONS |               |               |               |               |               |               |
| TERMINAL                | PIN 1         | PIN 1 OAL     | PIN 2         | PIN 2 OAL     | PIN 3         | PIN 3 OAL     |
| -05                     | T-1S6-21-XX-2 | .335 [8.51]   | N/A           | N/A           | N/A           | N/A           |
| -06                     | T-1S6-18-XX-2 | .300 [7.62]   | N/A           | N/A           | N/A           | N/A           |
| -07                     | T-1S6-07-XX-2 | .430 [10.92]  | T-1S6-15-XX-2 | .630 [16.00]  | T-1S6-10-XX-2 | .830 [21.08]  |
| -08                     | T-1S6-08-XX-2 | .530 [13.46]  | T-1S6-09-XX-2 | .730 [18.54]  | T-1S6-11-XX-2 | .930 [23.62]  |
| -09                     | T-1S6-09-XX-2 | .730 [18.54]  | T-1S6-11-XX-2 | .930 [23.62]  | T-1S6-20-XX-2 | 1.130 [28.70] |
| -10                     | T-1S6-10-XX-2 | .830 [21.08]  | T-1S6-12-XX-2 | 1.030 [26.16] | T-1S6-13-XX-2 | 1.230 [31.24] |
| -11                     | T-1S6-11-XX-2 | .930 [23.62]  | T-1S6-20-XX-2 | 1.130 [28.70] | T-1S6-19-XX-2 | 1.330 [33.78] |
| -12                     | T-1S6-12-XX-2 | 1.030 [23.16] | T-1S6-13-XX-2 | 1.230 [31.24] | T-1S6-14-XX-2 | 1.430 [36.23] |
| -13                     | T-1S6-13-XX-2 | 1.230 [31.24] | T-1S6-14-XX-2 | 1.430 [36.23] | N/A           | N/A           |
| -21                     | T-1S6-14-XX-2 | 1.430 [36.23] | N/A           | N/A           | N/A           | N/A           |
| -22                     | T-1S6-15-XX-2 | .630 [16.00]  | T-1S6-10-XX-2 | .830 [21.08]  | T-1S6-12-XX-2 | 1.030 [26.16] |
| -23                     | T-1S6-16-XX-2 | .445 [11.30]  | N/A           | N/A           | N/A           | N/A           |
| -24                     | T-1S6-17-XX-2 | .480 [12.19]  | N/A           | N/A           | N/A           | N/A           |
| -27                     | T-1S6-19-XX-2 | 1.330 [33.78] | N/A           | 1.330 [33.78] | N/A           | N/A           |
| -28                     | T-1S6-20-XX-2 | 1.130 [28.70] | T-1S6-19-XX-2 | N/A           | N/A           | N/A           |

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

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

| TABLE 4  |                          |                        |                        |
|--|--------------------------|------------------------|------------------------|
| FOR TAIL = .000 (.090 [2.29] MIN FOR -RA & -RE)<br>(.110 [2.79] MIN FOR -NA & -NE) |                          |                        |                        |
| LEAD STYLE   | C<br>MAXIMUM<br>STRAIGHT | C<br>MAXIMUM<br>W / RA | C<br>MAXIMUM<br>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]           |

| TABLE 5   |            |              |      |               |       |
|-----------|------------|--------------|------|---------------|-------|
| No OF POS | LEAD STYLE | LENGTH       | TAIL | TUBE          | PLUG  |
| 5         | -08        | .120 [3.05]  | -RA  | PT-1-24-01-66 | TP-24 |
| 5         | -08        | .195 [4.95]  | -RA  | PT-1-24-01-24 | TP-24 |
| 6         | -08        | .120 [3.05]  | -RA  | PT-1-24-01-66 | TP-24 |
| 13        | -11        | .480 [12.19] |      | PT-1-24-02-47 | TP-36 |

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DESCRIPTION:  
 .025 SQ POST HI-TEMP TERMINAL STRIP  
 DWG. NO.  
**HMTSW-XXX-XX-XXX-X-XXXX-XX-XX**  
 BY: JORDAN 03/25/1987 SHEET 3 OF 3

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