

REVISION BG

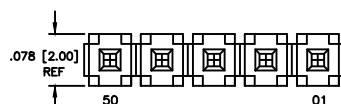
DO NOT SCALE  
FROM THIS PRINTUNLESS OTHERWISE NOTED  
DIMENSIONS ARE IN INCHES TOLERANCES ARE:ONE PLACE DECIMALS  $\pm .1$  [2.54mm] THREE PLACE DECIMALS  $\pm .005$  [0.13mm]  
TWO PLACE DECIMALS  $\pm .01$  [0.25mm] FOUR PLACE DECIMALS  $\pm .0020$  [0.05mm]TITLE: HIGH TEMP  
2mm  
TERMINAL STRIP  
(BOARD STACKING)DWG NO:  
TW-XX-XX-X-X-XXX-XXX-XXX-XX  
SHEET 1 OF 3

TABLE 1

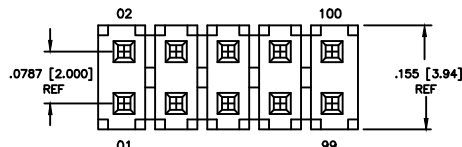
| LEAD STYLE | TERMINAL      | "L"            |        | "C"  |      |
|------------|---------------|----------------|--------|------|------|
|            |               | OVERALL LENGTH |        |      |      |
| -01        | T-1S13-20-X-2 | .3228          | 8.199  | .100 | 2.54 |
| -02        | T-1S13-02-X-2 | .3770          | 9.576  | .150 | 3.81 |
| -03        | T-1S13-03-X-2 | .5347          | 13.581 | .150 | 3.81 |
| -04        | T-1S13-06-X-2 | .5550          | 14.097 | .100 | 2.54 |
| -05        | T-1S13-09-X-2 | .5940          | 15.088 | .100 | 2.54 |
| -06        | T-1S13-10-X-2 | .6730          | 17.094 | .100 | 2.54 |
| -07        | T-1S13-11-X-2 | .7510          | 19.075 | .100 | 2.54 |
| -08        | T-1S13-12-X-2 | .8300          | 21.082 | .100 | 2.54 |
| -09        | T-1S13-13-X-2 | .4560          | 11.582 | .100 | 2.54 |
| -10        | T-1S13-14-X-2 | .6140          | 15.596 | .100 | 2.54 |
| -11        | T-1S13-05-X-2 | .3970          | 10.084 | .100 | 2.54 |
| -12        | T-1S13-16-X-2 | 1.110          | 28.194 | .100 | 2.54 |

NOTE: LEAD STYLE -08 & -12 NOT AVAILABLE IN -T,  
-Q-5 & 6 ROW OPTION.

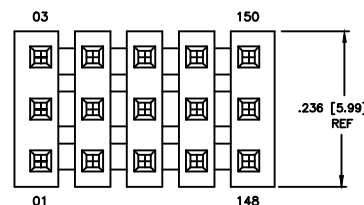
FIG 1

SCALE: .75x  
(SEE NOTE 6)

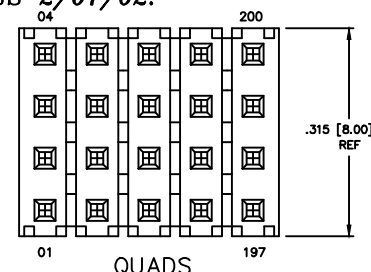
SINGLES



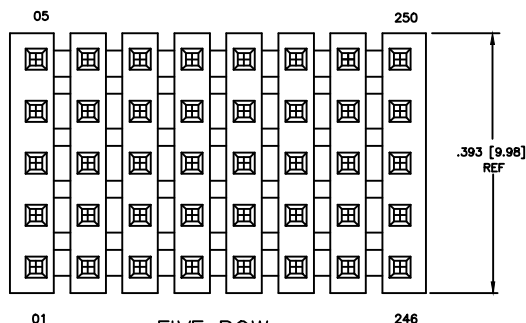
DOUBLES



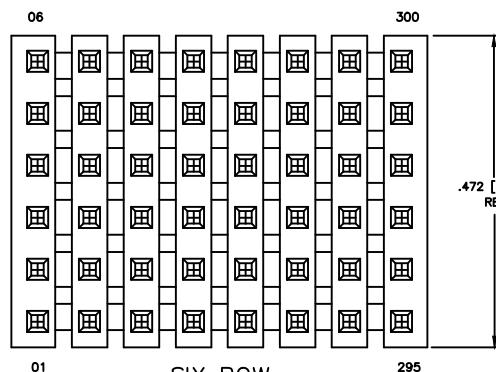
TRIPLES



QUADS



FIVE ROW



SIX ROW

FIG 1

TW-XX-XX-X-X-XXX-XXX-XXX-XX

NO. OF POSITIONS  
EXPRESSED IN # OF POS.  
-01 THRU -50  
"XX" = NO. OF POS. X .07874 [2.00]

LEAD STYLE  
(SEE TABLE 1)  
(SEE \*NOTE)

## PLATING

-G: 20 $\mu$ " GOLD ON CONTACT AREA, 3 $\mu$ " GOLD ON TAIL  
-T: MATTE TIN CONTACT AND TAIL  
-S: 30 $\mu$ " SELECTIVE GOLD ON CONTACT AREA, MATTE TIN TAIL  
-L: 15 $\mu$ " SELECTIVE GOLD ON CONTACT AREA, MATTE TIN TAIL  
-TL: TIN/LEAD (90/10+/-5%) CONTACT AND TAIL  
-F: 3 $\mu$ " FLASH GOLD ON CONTACT AREA, MATTE TIN TAIL  
-H: 30 $\mu$ " GOLD ON CONTACT AREA, 3 $\mu$ " GOLD ON TAIL  
-STL: 30 $\mu$ " SELECTIVE GOLD ON CONTACT AREA, TIN/LEAD (90/10+/-5%) TAIL (-08 & -12 LEAD STYLES ONLY)  
-TM: MATTE TIN CONTACT AND TAIL  
-LM: 15 $\mu$ " SELECTIVE GOLD ON CONTACT AREA, MATTE TIN TAIL  
-FM: 3 $\mu$ " FLASH GOLD ON CONTACT AREA, MATTE TIN TAIL  
-SM: 30 $\mu$ " SELECTIVE GOLD ON CONTACT AREA, MATTE TIN TAIL

## OPTION

\*\* -MW: METAL WASHER  
(NOT AVAILABLE IN -12 LEAD STYLE)  
(NOT AVAILABLE FOR -S VERSION)  
(SEE FIG. 2, SHT. 3)  
(.090 [2.29] MIN TAIL)  
(.300 [7.62] MAX TAIL ONLY FOR  
-T & -TL OPTIONS.)  
(ALL -MW OPTIONS ARE TO BE TUBED)

POLARIZATION OPTION  
SPECIFY POS. TO BE REMOVED  
(SEE FIGURE 1)

## SPACE OPTION

-S, -D, -Q: (.120 MIN.)  
-T, -5, -6: (.160 MIN.)  
MAX = "L" - .050

## ROW OPTION

-S: SINGLE (USE BODY TMM-50-S)  
-D: DOUBLE (USE BODY TMM-50-D:  
.120-.1599 BOARD SPACE  
(ABOVE .160 MIN USE BODY TMMC-50-D)  
(CAN SUB TMMH-50-D OR TMMH-50-D-LC  
FOR TMMC-50-D)  
-T: TRIPLE (USE BODY TMMH-50-T)  
-Q: QUAD (USE BODY TMM-50-Q)  
-5: FIVE ROW (USE BODY TMMH-50-5)  
-6: SIX ROW (USE BODY TMMH-50-6)

\*\* - MW OPTION, DO NOT DESIGN IN. SAMTEC WILL  
ONLY SUPPORT EXISTING BUSINESS 2/07/02.

## NOTES:

- 1.) MAX ALLOWABLE BOW: .005 IN/IN AFTER ASSEMBLY.
- 2.) MAX PIN ROTATION IN BODY: 2°.
- 3.) PUSHOUT FORCE SHALL BE 1 lb. MIN.
- 4.) (C) REPRESENTS A CRITICAL DIMENSION FOR STATISTICAL PROCESS CONTROL USE.
- 5.) ON -S, -L, -F, & -STL PLATING, GOLD TO GO IN CONTACT AREA WHICH IS OPPOSITE THE GIVEN TAIL LENGTH. FOR -G & -H, HEAVY GOLD TO GO IN CONTACT AREA WHICH IS OPPOSITE THE GIVEN TAIL LENGTH. NOTE DOES NOT APPLY TO -T & -TL PLATING.
- 6.) TOP VIEW (VIEW OF CONTACT AREA, OPPOSITE VIEW OF CUSTOMER SPECIFIED TAIL (SEE PAGE 2)).
- 7.) .020 MAX FLASH
- 8.) NOTE DELETED
- 9.) INSULATOR MATERIAL: BLACK, LCP, UL 94 VO
- 10.) FOR ADDED MECHANICAL STABILITY, SAMTEC RECOMMENDS MECHANICAL BOARD SPACERS BE USED IN APPLICATIONS WITH GOLD OR SELECTIVE GOLD PLATED CONNECTORS. CONTACT IPG@SAMTEC.COM FOR MORE INFORMATION.

## PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION  
CONFIDENTIAL AND PROPRIETARY TO  
SAMTEC INC. AND SHALL NOT BE  
REPRODUCED OR TRANSFERRED TO  
OTHER DOCUMENTS OR DISCLOSED TO  
OTHERS OR USED FOR ANY PURPOSE  
OTHER THAN THAT FOR WHICH IT WAS  
OBTAINED WITHOUT THE EXPRESSED  
WRITTEN CONSENT OF SAMTEC INC.

**samtec**

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

MADE BY: MATT CARTER 6-19-98

TW-XX-XX-X-X-XXX-XXX-XXX-XX  
SHEET 1 OF 3MISC\MKTG  
TW-XX-XX-X-X-XXX-XXX-XXX-XX-MKT1