

DO NOT SCALE FROM THIS PRINT

| 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.

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

TAIL LENGTH

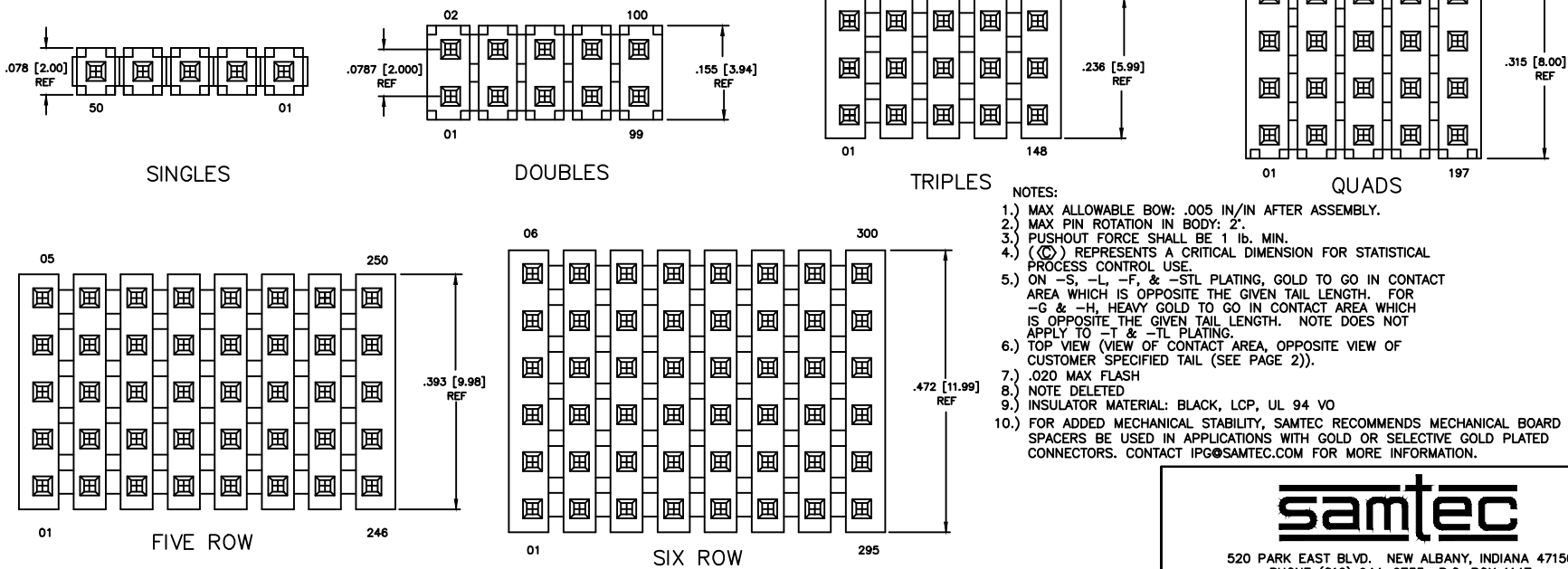
SPACE OPTION

-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)

FIG 1  
SCALE: .75x  
(SEE NOTE 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.

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MADE BY: MATT CARTER 6-19-98  
TW-XX-XX-X-X-XXX-XXX-XXX-XX MKT1  
TW-XX-XX-X-X-XXX-XXX-XXX-XX  
SHEET 1 OF 3

FIG 1

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[TW-04-03-F-S-300-090](#) [TW-15-04-F-D-345-090](#) [TW-16-04-F-D-350-090](#) [TW-28-03-F-S-340-090](#) [TW-11-01-F-D-130-095](#)