



**THE DATASHEET OF  
TW-14-03-F-D-350-SM**



DO NOT SCALE FROM THIS PRINT

LEAD STYLE	TERMINAL	OVERALL LENGTH	"L"	"C"
-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)

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)

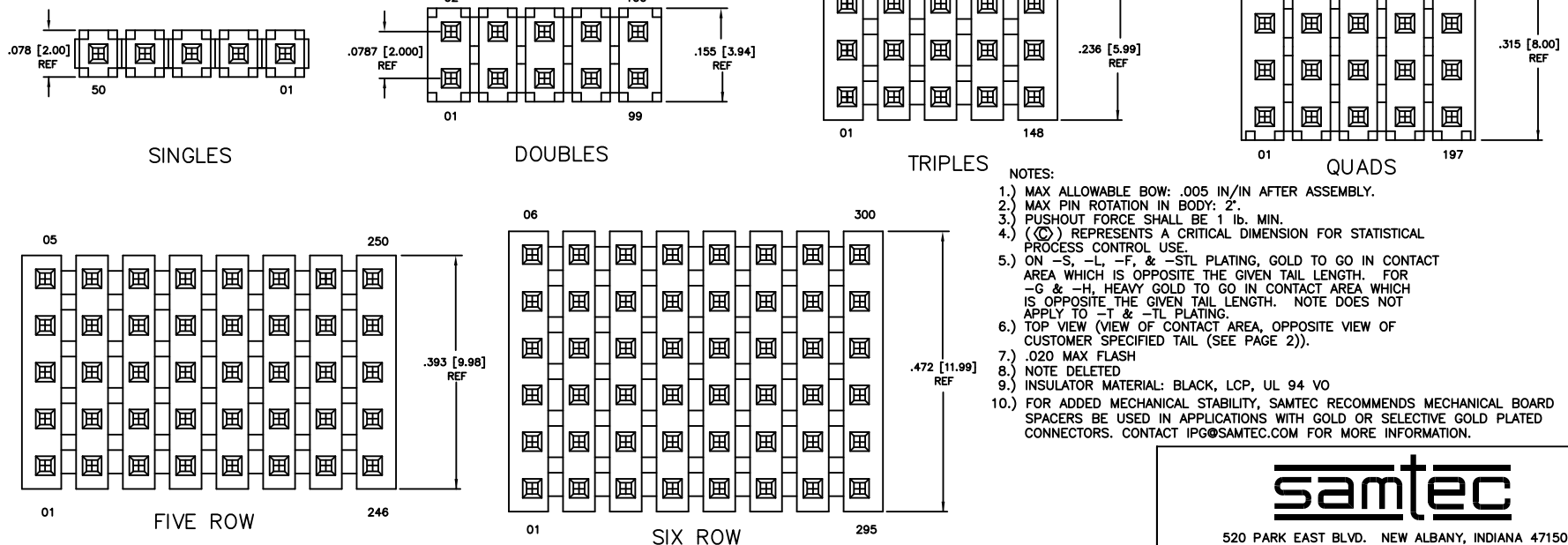
TAIL LENGTH

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)

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: 10µ" 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: 10µ" 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

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.

FIG 1

**PROPRIETARY NOTE**  
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