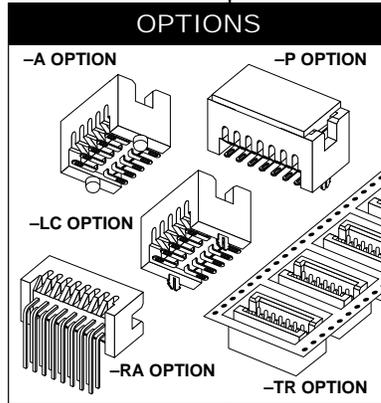


# .050" X .050" MICRO STRIPS TFM SERIES

**Specifications:**  
**TFM**  
**HI-TEMP**

**Insulator Material:** Black Liquid Crystal Polymer  
**Terminal Material:** Phosphor Bronze  
**Current Rating:** 2A @ 80°C ambient  
**Operating Temp Range:** -65°C to +125°C  
**Max Processing Temp:** 230°C for 60 seconds  
**Plating:** Au over 50µ" (1.27µm) Ni  
**SMT Lead Coplanarity:** .006" (0,15mm) max (30-50)  
.004" (0,10mm) max (05-25)

Mates with:  
SFM, SFMC



Shrouded body for blind mating

.050" x .050"  
(1,27mm x 1,27mm)  
micro pitch

Choice of four body heights



Mated with SFM  
**Impedance:** 50Ω average (system @ 50Ω)  
**Capacitance:** 0.4pF average @ 1MHz  
**Inductance:** 7nH average  
**Propagation Delay:** 57pS @ 1:1; 83pS @ 7:1  
**Cross Talk:** -26.0 dB G/S/S/G

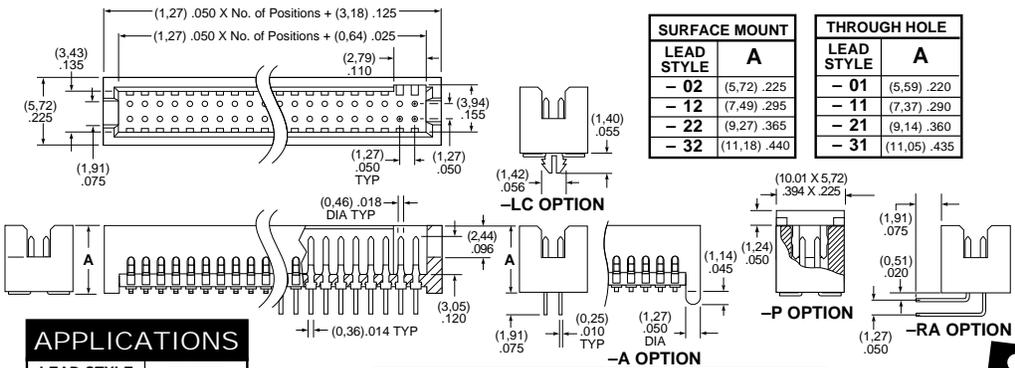
**Note:**  
Some sizes, styles and options are non-standard, non-returnable.



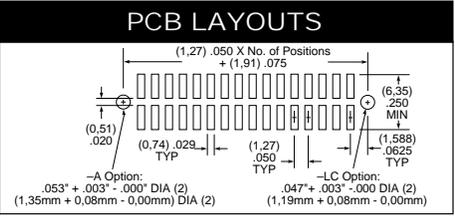
**05, 10, 15, 20, 25, 30, 35, 40, 45, 50**  
(Call Samtec for other sizes)

Specify LEAD STYLE from chart  
**-S**  
= 30µ" (0,76µm) Gold post, 150µ" (3,81µm) Tin tail

- A**  
= Alignment Pin (Metal or plastic at Samtec discretion) (Style -01 & -02 only) (N/A with -LC or -RA)
- LC**  
= Locking Clip (N/A with -A or -RA)
- P**  
= Pick & Place Pad
- RA**  
= Right Angle (Style -01 only)
- TR**  
= Tape & Reel (Surface mount only. N/A with -A or -LC)



APPLICATIONS		
LEAD STYLE	MATED	HEIGHT
-01	SFM	(5,97) .235
-11	-01	(7,75) .305
-21	-01	(9,53) .375
-31	-01	(11,43) .450
-02	-02	(6,35) .250
-12	-02	(8,13) .320
-22	-02	(9,91) .390
-32	-02	(11,81) .465



**TAPE & REEL AVAILABILITY**  
No tooling charges.  
125 piece minimum order.  
Order any quantity above minimum.  
In-house design, manufacture.  
Quick turn-around.  
Call Samtec for specifications and ordering information.

Note: Due to technical progress, all designs, specifications and components are subject to change without notice.