



Surface
SMT
Mount

1,27mm TIGER EYE™ HEADER TFM, TFML

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?TFM or www.samtec.com?TFML

Insulator Material: Black Liquid Crystal Polymer
Terminal Material: Phosphor Bronze
Plating: Au over 50µ" (1,27µm) Ni
Current Rating: 2A @ 80°C ambient
Voltage Rating: 350 VAC mated with SFM
Operating Temp Range: -55°C to +125°C
RoHS Compliant: Yes

Processing:

Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x
Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0,10mm) .004" max (05-25) (0,15mm) .006" max (30-50)

TFM Mates with: SFM, SFMC, SFSD

TFML Mates with: SFML

STACK HEIGHT

| LEAD STYLE | SFM | MATED HEIGHT |
|------------|------|--------------|
| - 02 | | (6,35) .250 |
| - 12 | - 02 | (8,13) .320 |
| - 22 | | (9,91) .390 |
| - 32 | | (11,81) .465 |

Shrouded body for blind mating

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

Locking feature increases unmating force (TFML)

Choice of four body heights



Surface Mount

Alignment pin or locking clip options available

COST-SAVING APPLICATIONS

See TFC Series for lower cost plating options

APPLICATION SPECIFIC OPTION

TFML solder nail option available. Call Samtec.

| TYPE STRIP | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | OPTION |
|------------|---|-------------------------------|--|------------------------------------|--|
| 1 | 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Call Samtec for other sizes) | Specify LEAD STYLE from chart | -L = 10µ" (0,25µm) Gold on post, Matte Tin on tail -S = 30µ" (0,76µm) Gold on post, Matte Tin on tail | -S = Single Row -D = Double Row | -A = Alignment Pin (N/A with -LC or 07 positions) -LC = Locking Clip (N/A with -A) -K = (5,50mm) .216" DIA Polyimide Film Pick & Place Pad -P = Plastic Pick & Place Pad -TR = Tape & Reel -WT = Weld Tabs -02 lead style & 05 thru 30 positions only (N/A with -A, -LC, 07 positions or TFML Series) Mates to SFSS/SFSD -SR & -DR option |

| LEAD STYLE | A |
|------------|--------------|
| -02 | (5,72) .225 |
| -12* | (7,49) .295 |
| -22* | (9,27) .365 |
| -32* | (11,18) .440 |

* N/A WITH 07 OR -S

Note: Other Gold plating options available. Contact Samtec.

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

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

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