

micro pitch



1,27mm TIGER EYE" HEADER TEM,

Shrouded body for

blind mating

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:

SMT Lead Coplanarity: (0,10mm) .004" max (05-25) (0,15mm) .006" max (30-50)

APPLICATION SPECIFIC OPTION

TFML solder nail option available. Call Samtec.

TFM Mates with: SFM, SFMC, SFSD

TFML Mates with:

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

body COST-SAVING APPLICATIONS Surface Mount

(1,27mm x 1,27mm) .050" x .050" Locking feature

increases unmating force (TFML)

of four heights RUGGEDIZED SAMTEC

> Alignment pin or locking clip options available

See TFC Series for lower cost plating options

NO. PINS LEAD **PLATING** TYPE **STRIP** PER ROW STYLE **OPTION**

ROW OPTION

OPTION

–A

= Alignment Pin (N/A with -LC or

07 positions)

TFM = Standard TFML

= Locking (Lead style -02 only)

05, 07, 10, 15, 20 25, 30, 35, 40, 45, 50 (Call Samtec for

other sizes)

(1,27) .050 x No. of Positions + (3,18) .125 -

With –WT = (1,27) .050 x No. of Positions + (6,68) .263

Specify LEAD STYLE from chart

= 10μ" (0,25μm) Gold on post, Matte Tin on tail

·S = 30µ" (0,76µm) Gold on post, Matte Tin on tail

(10,01) .394

(5,72) .225

(1.27)

.Ó50

* (5,72)

: Single Row (TFM only) −D = Double Row

-LC

(1,40) .055

-S

(1,42)

.Ó56

(0.45)

.018

-LC = Locking Clip (N/A with -A)

= (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)

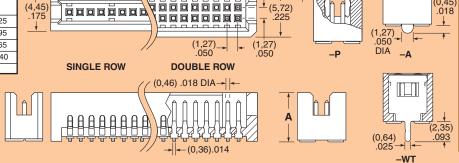
(2,35)Mates to SFSS/SFSD -SR & -DR option

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