


ELP
 EXTENDED LIFE PRODUCT

 10 Year Mixed Flowing Gas (MFG)
 2,500 cycles when mated with SFM

 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

COST-SAVING APPLICATIONS

See TFC Series for lower cost plating options

 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

APPLICATION SPECIFIC OPTION

 TFML solder nail
 option available.
 Call Samtec.

TYPE STRIP

1

NO. PINS PER ROW

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

LEAD STYLE

 Specify
 LEAD
 STYLE
 from
 chart

PLATING OPTION

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

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

ROW OPTION

-S
 = Single
 Row

-D
 = Double
 Row

OPTION

-A
 = Alignment Pin
 (N/A with -LC or
 07 positions)

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

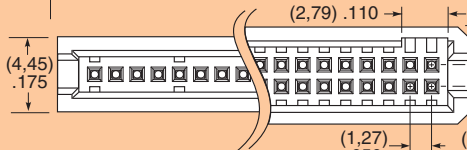
-K
 = (5,50mm) .216" DIA
 Polyimide Film
 Pick & Place Pad

-P
 = Plastic Pick &
 Place Pad

-TR
 = Tape & Reel

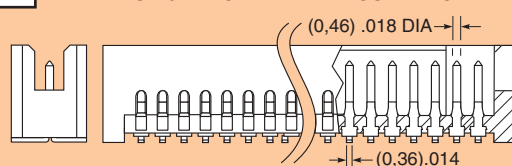
-WT
 = Weld Tabs
 -02 lead style & 05 thru
 30 positions only
 (N/A with -A, -LC,
 07 positions or
 TFML Series)
 Mates to SFSS/SFSD
 -SR & -DR option

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	

 $(1,27) .050 \times \text{No. of Positions} + (3,18) .125$
 With -WT = $(1,27) .050 \times \text{No. of Positions}$
 $+ (6,68) .263$


SINGLE ROW

DOUBLE ROW


 $(1,40) .055$
 $(1,42) .056$
-LC
 $(10,01) .394$
 $(5,72) .225$
-P
 $(1,27) .050$
-A
 $(0,45) .018$
 $(1,27) .050$
-WT
 $(0,64) .025$
 $(2,35) .093$
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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