



TEMS-125-02-03.0-H-D

TEM-145-02-07.0-H-D-WT



TEM-120-02-DH1-S-D-A



TEM-110-02-DH1-S-D-A

(0,80 mm) .0315"

TEM, TEMS, TEM-DH SERIES

# MICRO TIGER EYE™ HEADER

TEM, TEM-DH Mates with:  
SEM, SEML

TEMS Mates with:  
SEMS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?TEM](http://www.samtec.com?TEM) or [www.samtec.com?TEMS](http://www.samtec.com?TEMS)

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Terminal Material:**  
Phosphor Bronze  
**Plating:**  
Au or Sn over 50µ" (1,27 µm) Ni  
**Operating Temp Range:**  
-55°C to +125°C  
**Current Rating:**  
2.6 A per pin  
(1 pin powered per row)  
**RoHS Compliant:**  
Yes

**Processing:**  
Lead-Free Solderable:  
Yes  
SMT Lead Coplanarity:  
(0,10 mm) .004" max

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



TYPE STRIP	1	NO. PINS PER ROW	02	STACK HEIGHT	PLATING OPTION	D	OPTION	OTHER OPTION
TEM = Tiger Eye™ Strip		05, 10, 15, 20, 25 30, 35, 40, 45, 50 (TEM only) (Standard sizes)		-03.0 = 6 mm Stack Height -04.0 = 7 mm Stack Height -07.0 = 10 mm Stack Height	-FG = Gold Flash -G = 10µ" (0,25 µm) Gold on contact, Gold Flash on tail -H = 30µ" (0,76 µm) Gold on contact, Gold Flash on tail		-A = Alignment Pin (Not available with -LC or -WT) -LC = Locking Clip (Not available with -A or -WT) (Manual placement required) -WT = Weld Tab (Not available with -A or -LC)	-K = (5,50 mm) .217" DIA Polyimide film Pick & Place Pad (Required for TEMS) -TR = Tape & Reel (Required for TEMS)

28+ Gbps

STACK HEIGHT	A	MATED HEIGHT* (WHEN MATED WITH SEM/SEMS)
-03.0	(5,610) .2209	6 mm
-04.0	(6,610) .2602	7 mm
-07.0	(9,610) .3783	10 mm

\*Processing conditions will affect mated height.



## OTHER SOLUTIONS

- (1,27 mm) .050" board-to-board and cable-to-board Tiger Eye™ systems available.
- Board Stacking: See SFM, TFM Series
- Cable Assemblies: See SFSD, TFSD Series Contact Samtec.

## ALSO AVAILABLE (MOQ Required)

- Other sizes
  - Other platings
- Contact Samtec.

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

TEM	1	NO. OF POSITIONS	02	DH1	PLATING OPTION	D	OPTION
		10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)			-F = Gold Flash on contact, Matte Tin on tail -L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail -S = 30µ" (0,76 µm) Gold on contact, Matte Tin on tail		-A = Alignment Pin

-A OPTION

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

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