

(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 or www.samtec.com?TEMS

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze

Plating:

Au or Sn over
50 μ" (1.27 μm) Ni

Current Rating:
2.9 A per pin

(2 pins powered)

Voltage Rating:
235 VAC/330 VDC

Operating Temp Range:
-55 °C to +125 °C

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



FILE NO. E111594

OTHER SOLUTIONS

- Latching option:
See TEM-L1 in Discrete Wire Cable section.
- Board Stacking:
See SFM, TFM Series
- Cable Assemblies:
See SFSD, TFSD, SESDT Series

ALSO AVAILABLE (MOQ Required)

- Other sizes
- Other platings

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

TYPE STRIP	1	NO. OF POSITIONS	02	STACK HEIGHT	PLATING OPTION	D	OPTION	OTHER OPTION
TEM = Tiger Eye™ Strip		05, 10, 15, 20, 25 (Per Row)		-03.0 = 6 mm Stack Height	-FG = Gold Flash		Leave blank for TEMS	-K = (5.50 mm) .217" DIA Polyimide film Pick & Place Pad (Required for TEMS)
TEMS = Tiger Eye™ Slim Strip		30, 35, 40, 45, 50 (Per Row) (TEM only) (Standard sizes)		-04.0 = 7 mm Stack Height	-G = 10 μ" (0.25 μm) Gold on contact, Gold Flash on tail		-A = Alignment Pin (Not available with -LC or -WT)	-TR = Tape & Reel (Required for TEMS)
				-07.0 = 10 mm Stack Height	-H = 30 μ" (0.76 μm) Gold on contact, Gold Flash on tail		-LC = Locking Clip (Not available with -A or -WT) (Manual placement required)	-WT = Weld Tab (Not available with -A or -LC)

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.

10 YEAR MFG
WITH 30 μ" GOLD

EXTENDED LIFE
PRODUCT

HIGH MATING
CYCLES

POWER/SIGNAL APPLICATION



TEM	1	NO. OF POSITIONS	02	DH1	PLATING OPTION	D	OPTION
		10, 15, 20, 25, 30, 35, 40, 45, 50 (Per Row) (Standard sizes)			-F = Gold Flash on contact, Matte Tin on tail		-A = Alignment Pin
					-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail		
					-S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail		

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

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All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Mouser Electronics

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Samtec:

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