



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)



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 Contact Samtec.

## ALSO AVAILABLE (MOQ Required)

- Other sizes
  - Other platings
- Contact Samtec.

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

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

TEMS

| STACK HEIGHT | A             | MATED HEIGHT*<br>(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.

# 28+

G b p s

28+  
G b p s

**E.L.P.**™  
EXTENDED LIFE PRODUCT  
10 year Mixed Flowing Gas with 30µ" Gold  
Call Samtec for maximum mated cycles

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

DH1

A OPTION