### 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

#### 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.

### POWER/SIGNAL APPLICATION

Compatible with UMPT/UMPS for flexible two-piece power/signal solutions

#### HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

- **Gbps**

#### OTHER

- **–A** = Alignment Pin  
- **–F** = Gold Flash on contact, Matte Tin on tail  
- **–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

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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.