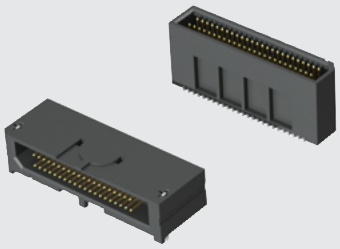
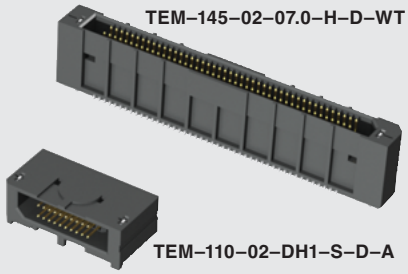
samtec

TIGER EYE SYSTEM™





(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 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

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

TYPE STRIP
- **TEM** = Tiger Eye™ Strip
- **TEMS** = Tiger Eye™ Slim Strip

NO. PINS PER ROW
05, 10, 15, 20, 25
30, 35, 40, 45, 50 (TEM only) (Standard sizes)

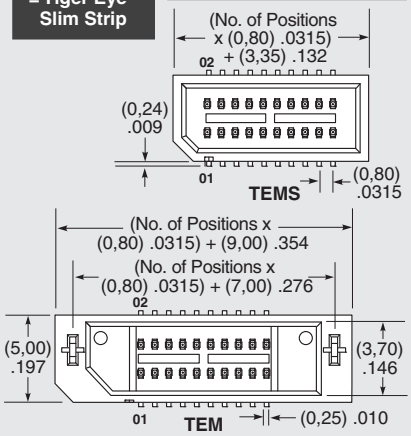
STACK HEIGHT
- **–03.0** = 6 mm Stack Height
- **–04.0** = 7 mm Stack Height
- **–07.0** = 10 mm Stack Height

PLATING OPTION
- **–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

D

OPTION
Leave blank for TEMS
- **–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)

OTHER OPTION
- **–K** = (5,50 mm) .217" DIA Polyimide film Pick & Place Pad (Required for TEMS)
- **–TR** = Tape & Reel (Required for TEMS)



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.

28+ Gbps

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

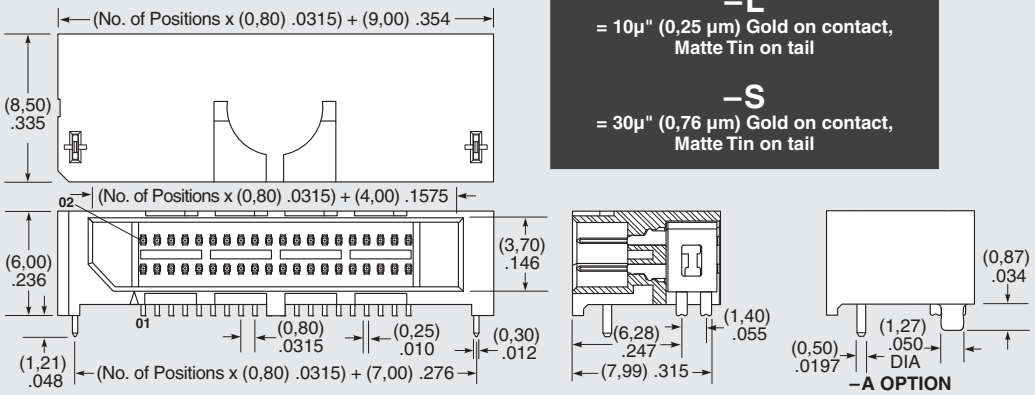
TEM	1	NO. OF POSITIONS	02	DH1	PLATING OPTION	D	OPTION

NO. OF POSITIONS
10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)

PLATING OPTION
- **–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

D

OPTION
- **–A** = Alignment Pin



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