

(0.80 mm) .0315"

SEM, SEMS, SEML SERIES

# MICRO TIGER EYE™ SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SEM](http://www.samtec.com?SEM), [www.samtec.com?SEMS](http://www.samtec.com?SEMS) or [www.samtec.com?SEML](http://www.samtec.com?SEML)

**Insulator Material:** Black Liquid Crystal Polymer

**Contact Material:** BeCu

**Plating:** Au or Sn over

50 μ" (1.27 μm) Ni

**Operating Temp Range:**

-55 °C to +125 °C

**Current Rating (SEM/TEM):**

2.6 A per pin

(2 pins powered)

**Voltage Rating:**

235 VAC/330 VDC

**RoHS Compliant:**

Yes

SEM, SEML Mates with:

TEM

SEMS Mates with:

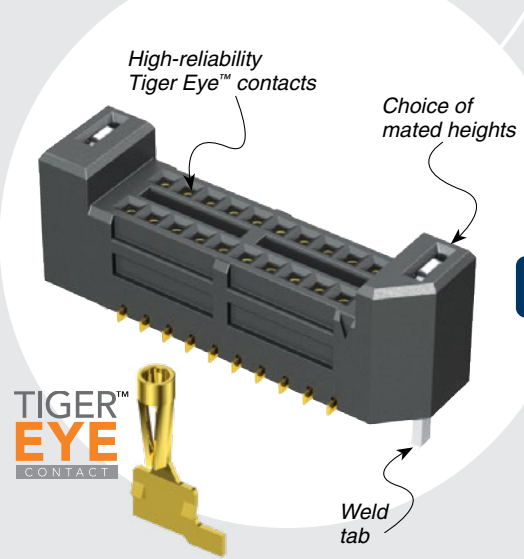
TEMS



## POWER/SIGNAL APPLICATION



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



**RUGGEDIZED**  
BY SAMTEC

- Passes 10 year MFG
- Locking clip option
- Weld tab option

## PROCESSING

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

(0.10 mm) .004" max

## RECOGNITIONS

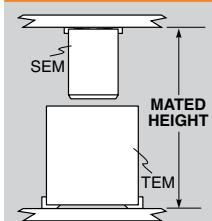
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## OTHER SOLUTIONS

- Board Stacking: See SFM, TFM Series
  - Cable Assemblies: See SFSD, TFSD Series
- Contact Samtec.

## MATED HEIGHT



TEM LEAD STYLE	MATED HEIGHT*
-03.0	6 mm
-04.0	7 mm
-07.0	10 mm

\*Processing conditions will affect mated height.

TYPE STRIP	NO. PINS PER ROW	STACK HEIGHT	PLATING OPTION	D	OPTION	OTHER OPTION
SEM = Tiger Eye™ Strip	05, 10, 15, 20, 25 30, 35, 40, 45, 50 (SEM/SEML only) (Standard sizes)	-03.0 = 6 mm, 7 mm or 10 mm Stack Height when mated with TEM/TEMS Series (SEML only available with 6 mm Stack Height)	-FG = Gold Flash  -G = 10 μ" (0.25 μm) Gold on contact, Gold Flash on tail  -H = 30 μ" (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) (Required callout for SEML)	-K = (3.50 mm) .138" DIA Polyimide film Pick & Place Pad (Required for SEMS)  -TR = Tape & Reel (Required for SEMS)

(No. of Positions x (0.80) .0315) + (4.50) .177

SEM

(No. of Positions x (0.80) .0315) + (1.60) .063

SEMS

(No. of Positions x (0.80) .0315) + (3.00) .118

SEML -WT OPTION

**ALSO AVAILABLE**  
(MOQ Required)

- Other sizes
- Other platings

Contact Samtec.

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

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