

(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, www.samtec.com?SEMS or 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

TIGER EYE
CONTACT

High-reliability
Tiger Eye™ contacts

Choice of
mated heights

RUGGEDIZED BY SAMTEC

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

HIGH-SPEED CHANNEL PERFORMANCE

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

8
Gbps

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

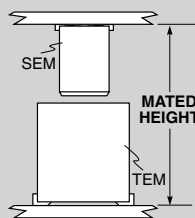


FILE NO. E111594

OTHER SOLUTIONS

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

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	1	NO. PINS PER ROW	02	STACK HEIGHT	PLATING OPTION	D	OPTION	OTHER OPTION
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SEM
= Tiger Eye™ Strip

SEMS
= Tiger Eye™ Slim Strip

SEML
= Tiger Eye™ Friction Lock

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

Leave blank for SEMS

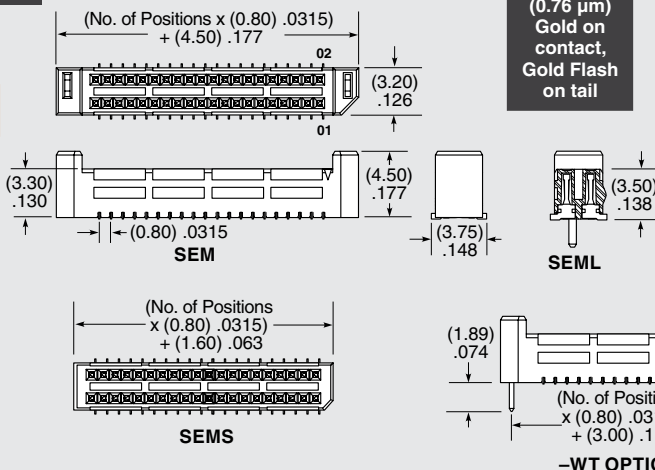
-A
= Alignment Pin (Not available with -LC or -WT)

-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)



ALSO AVAILABLE (MOQ Required)

- Other sizes
- Other platings

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.

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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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