



SEMS-125-02-03.0-H-D

SEML-145-02-03.0-H-D-WT

SEM-130-02-03.0-H-D-WT

SEM-110-02-03.0-H-D-WT

(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 50µ" (1,27 µm) Ni

Operating Temp Range:

-55°C to +125°C

Current Rating (SEM/TEM):

2.6 A per pin

(1 pin powered per row)

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

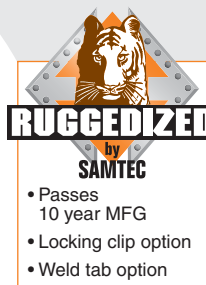
(0,10 mm) .004" max

SEM, SEML Mates with:
TEMSEMS Mates with:
TEMS

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

TEM/SEM 6 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	12 GHz / 24 Gbps
Differential Pair Signaling	17 GHz / 34 Gbps

*Test board losses de-embedded from performance data.
Complete test data available at www.samtec.com?SEM or contact sig@samtec.com

High reliability
Tiger Eye™ contactsChoice of
mated heights

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

ALSO AVAILABLE (MOQ Required)

- Other sizes
 - Other platings
- Contact Samtec.

28+
G b p s

Weld
tab

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

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	1	NO. PINS PER ROW	02	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 = 10µ" (0,25 µm) Gold on contact, Gold Flash on tail -H = 30µ" (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)

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