

RUGGED TIGER EYE™ SYSTEMS

(0.80 mm) .0315" PITCH



FEATURES & BENEFITS

- High-reliability, multi-finger BeCu contact
- Micro pitch and slim body for space-savings
- 6 mm, 7 mm and 10 mm stack heights
- · Locking clip, alignment pins and weld tab ruggedizing features
- Rugged latching system for increased withdrawal force
- Vertical and right-angle mating headers
- Discrete wire assembly available with 32 AWG Teflon® wire; contact asp@samtec.com for custom solutions
- Extended Life Product™ testing available











Locking for increased unmating force (Visit samtec.com?SEML for more information)



Components (ISDE/CC396) and tooling available: samtec.com/tooling



Compatible with UMPT/UMPS for power/signal flexibility

Dupont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.

KEY SPECIFICATIONS (SEM/TEM)

PITCH	STACK HEIGHTS	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING
0.80 mm	6 - 10 mm	Black LCP	BeCu (SEM) Phosphor Bronze (TEM)	Au or Sn over 50 μ" (1.27 μm) Ni	-55 °C to +125 °C	2.9 A per pin (2 pins powered)	235 VAC/330 VDC





(0.80 mm) .0315" PITCH • MICRO TIGER EYE™ SOCKET AND HEADER

02



SEMS Slim Socket TEM

Header **TEMS**Slim Header

NO. PINS PER ROW

05, 10, 15, 20, 25 (SEM, SEMS, TEM, TEMS only)

30, 35, 40, 45, 50 (SEM/TEM only) (Standard sizes)

-03.0 = 6 mm Stack Height (-03.0 required for SEM/SEMS Series)

STACK

HEIGHT

-04.0 = 7 mm Stack Height (TEM/TEMS only)

-07.0 = 10 mm Stack Height (TEM/TEMS only)

PLATING OPTION

-FG = Gold Flash

 $\begin{array}{c} \textbf{-G} \\ = 10 \ \mu^{\text{"}} \\ (0.25 \ \mu\text{m}) \\ \text{Gold on contact,} \\ \text{Gold Flash on tail} \end{array}$

-Η = 30 μ" (0.76 μm) Gold on contact, Gold Flash on tail

Leave blank for SEMS/TEMS

OPTIONS

-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 OPTIONS

-K = (3.50 mm) .138" DIA Polyimide film Pick & Place Pad (Required for SEMS)

= (5.50 mm) .217"
DIA Polyimide film
Pick & Place Pad
(Required for
TEMS)

-TR = Tape & Reel (Required for SEMS/TEMS)

-FR
= Full Reel
Tape & Reel
(must order max.
quantity per reel;
contact Samtec
for quantity
breaks)

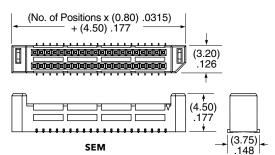
SEM Board Mates:

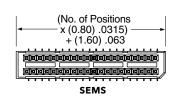
TEM

SEMS

Board Mates:





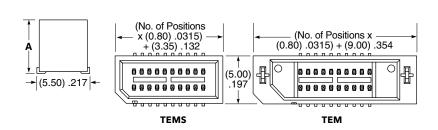


View complete specifications at: samtec.com?SEM & samtec.com?SEMS

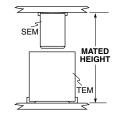
TEM Board Mates: SEM, SEML

TEMS
Board Mates:
SEMS





MATED HEIGHTS						
STACK HEIGHT	A	MATED HEIGHT*				
-03.0	(5.610) .2209	6 mm				
-04.0	(6.610) .2602	7 mm				
-07.0	(9.610) .3783	10 mm				



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

View complete specifications at: samtec.com?TEM & samtec.com?TEMS

^{*}Processing conditions will affect mated height