

# TIGER™

SYSTEM

# RUGGED TIGER EYE™ SYSTEMS

(0.80 mm) .0315" PITCH

## FEATURES & BENEFITS

- 2.9 Gbps
- 8 Gbps
- 16 Gbps
- 24 Gbps
- 32 Gbps
- 40 Gbps
- 56 Gbps
- 64 Gbps
- 80 Gbps
- 100 Gbps
- 112 Gbps
- 128 Gbps
- 144 Gbps
- 160 Gbps
- 192 Gbps
- 224 Gbps
- 256 Gbps
- 288 Gbps
- 320 Gbps
- 384 Gbps
- 448 Gbps
- 512 Gbps
- 576 Gbps
- 640 Gbps
- 768 Gbps
- 896 Gbps
- 1024 Gbps
- 1152 Gbps
- 1280 Gbps
- 1536 Gbps
- 1792 Gbps
- 2048 Gbps
- 2304 Gbps
- 2560 Gbps
- 2816 Gbps
- 3072 Gbps
- 3328 Gbps
- 3584 Gbps
- 3840 Gbps
- 4096 Gbps
- 4352 Gbps
- 4608 Gbps
- 4864 Gbps
- 5120 Gbps
- 5376 Gbps
- 5632 Gbps
- 5888 Gbps
- 6144 Gbps
- 6400 Gbps
- 6656 Gbps
- 6912 Gbps
- 7168 Gbps
- 7424 Gbps
- 7680 Gbps
- 7936 Gbps
- 8192 Gbps
- 8448 Gbps
- 8704 Gbps
- 8960 Gbps
- 9216 Gbps
- 9472 Gbps
- 9728 Gbps
- 9984 Gbps
- 10240 Gbps
- 10496 Gbps
- 10752 Gbps
- 11008 Gbps
- 11264 Gbps
- 11520 Gbps
- 11776 Gbps
- 12032 Gbps
- 12288 Gbps
- 12544 Gbps
- 12800 Gbps
- 13056 Gbps
- 13312 Gbps
- 13568 Gbps
- 13824 Gbps
- 14080 Gbps
- 14336 Gbps
- 14592 Gbps
- 14848 Gbps
- 15104 Gbps
- 15360 Gbps
- 15616 Gbps
- 15872 Gbps
- 16128 Gbps
- 16384 Gbps
- 16640 Gbps
- 16896 Gbps
- 17152 Gbps
- 17408 Gbps
- 17664 Gbps
- 17920 Gbps
- 18176 Gbps
- 18432 Gbps
- 18688 Gbps
- 18944 Gbps
- 19200 Gbps
- 19456 Gbps
- 19712 Gbps
- 19968 Gbps
- 20224 Gbps
- 20480 Gbps
- 20736 Gbps
- 20992 Gbps
- 21248 Gbps
- 21504 Gbps
- 21760 Gbps
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- 22272 Gbps
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- 22784 Gbps
- 23040 Gbps
- 23296 Gbps
- 23552 Gbps
- 23808 Gbps
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- 30464 Gbps
- 30720 Gbps
- 30976 Gbps
- 31232 Gbps
- 31488 Gbps
- 31744 Gbps
- 32000 Gbps
- 32256 Gbps
- 32512 Gbps
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- 75264 Gbps
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- 75776 Gbps
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- 94208 Gbps
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- 97280 Gbps
- 97536 Gbps
- 97792 Gbps
- 98048 Gbps
- 98304 Gbps
- 98560 Gbps
- 98816 Gbps
- 99072 Gbps
- 99328 Gbps
- 99584 Gbps
- 99840 Gbps

2.9 Gbps

8 Gbps

TIGER™

CONTACT



Dupont™ is a registered trademark of the

## KEY SPECIFICATIONS (SEM/TEM)

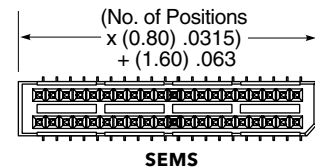
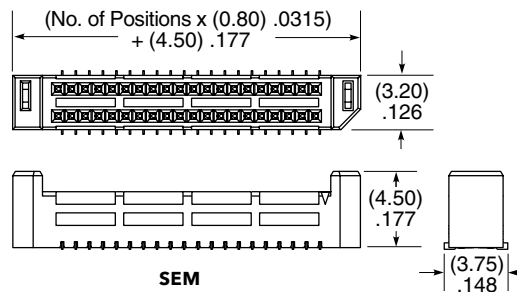
PITCH	STACK HEIGHTS	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING
0.80	0.80	1000	1000	1000	1000	1000	1000

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

SERIES	1	NO. PINS PER ROW	02	STACK HEIGHT	PLATING OPTION	D	OPTIONS	OTHER OPTIONS
<b>SEM</b> Socket		<b>05, 10, 15, 20, 25</b> (SEM, SEMS, TEM, TEMS only)		<b>-03.0</b> = 6 mm Stack Height (-03.0 required for SEM/SEMS Series)	<b>-FG</b> = Gold Flash		Leave blank for SEMS/TEMS	<b>-K</b> = (3.50 mm) .138" DIA Polyimide film Pick & Place Pad (Required for SEMS)
<b>SEMS</b> Slim Socket		<b>30, 35, 40, 45, 50</b> (SEM/TEM only) (Standard sizes)		<b>-04.0</b> = 7 mm Stack Height (TEM/TEMS only)	<b>-G</b> = 10 μm (0.25 μm) Gold on contact, Gold Flash on tail		<b>-A</b> = Alignment Pin (Not available with -LC or -WT)	= (5.50 mm) .217" DIA Polyimide film Pick & Place Pad (Required for TEMS)
<b>TEM</b> Header				<b>-07.0</b> = 10 mm Stack Height (TEM/TEMS only)	<b>-H</b> = 30 μm (0.76 μm) Gold on contact, Gold Flash on tail		<b>-LC</b> = Locking Clip (Not available with -A or -WT) (Manual placement required)	<b>-TR</b> = Tape & Reel (Required for SEMS/TEMS)
<b>TEMS</b> Slim Header							<b>-WT</b> = Weld Tab (Not available with -A or -LC)	<b>-FR</b> = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

**SEM**  
Board Mates:  
TEM

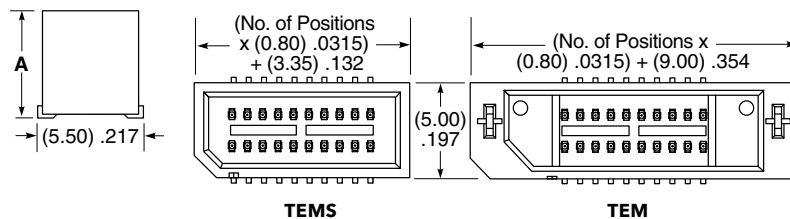
**SEMS**  
Board Mates:  
TEMS



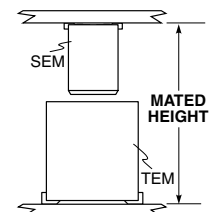
View complete specifications at: [samtec.com?SEM](http://samtec.com?SEM) & [samtec.com?SEMS](http://samtec.com?SEMS)

**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



\*Processing conditions will affect mated height.

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

View complete specifications at: [samtec.com?TEM](http://samtec.com?TEM) & [samtec.com?TEMS](http://samtec.com?TEMS)