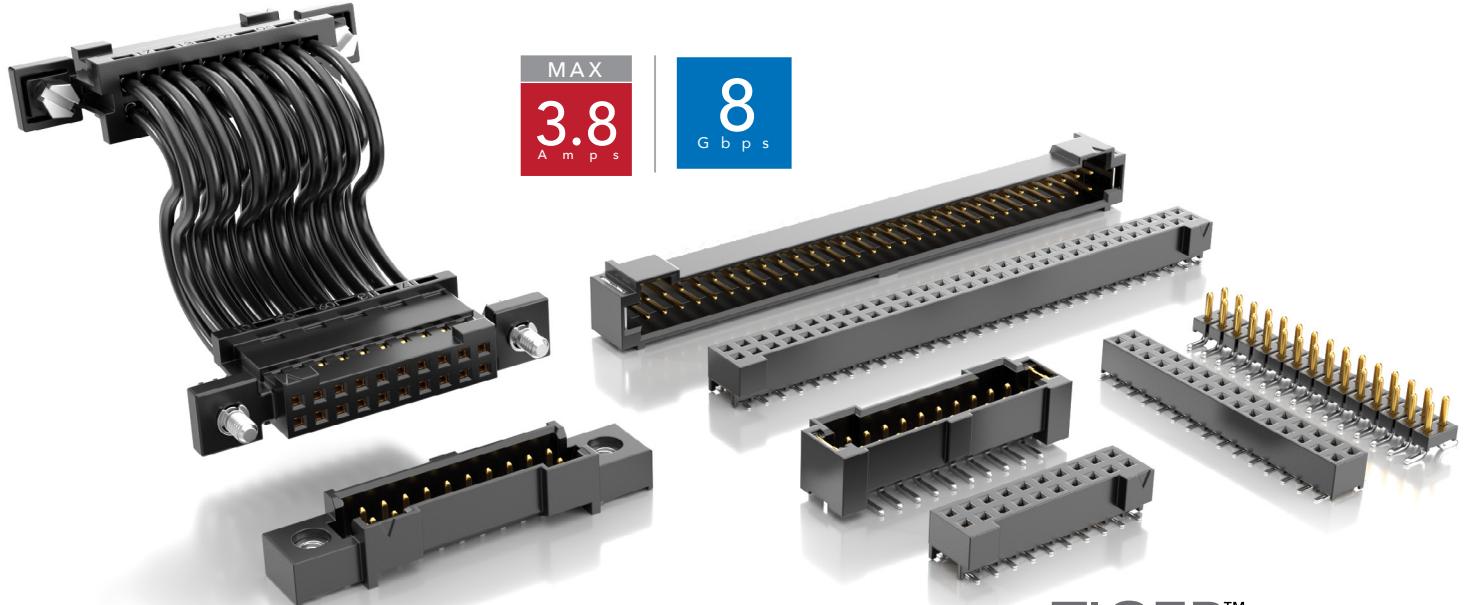


# RUGGED TIGER EYE™ SYSTEMS

(2.00 mm) .0787" PITCH



## FEATURES & BENEFITS

- Rugged Tiger Eye™ contact system for high reliability
- Wide range of stack heights (SMM/TMM Series)
- Right-angle mating headers available
- Optional metal latching, screw downs, weld tabs and locking clips
- Surface mount or through-hole
- Single or double row
- Wire to board assemblies available in 24-30 AWG PVC or \*Teflon™ Fluoropolymer (See page 256). Contact [asp@samtec.com](mailto:asp@samtec.com) for custom solutions
- Severe Environment Testing qualified (S2M/T2M); aligns with MIL-DTL-55302. Visit [samtec.com/set](http://samtec.com/set)

\*Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec.



Optional strain relief  
and variety of  
wiring options



Components  
(ISD2/CC81) &  
tooling available:  
[samtec.com/tooling](http://samtec.com/tooling)

## KEY SPECIFICATIONS (S2M/T2M)

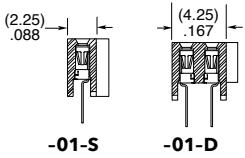
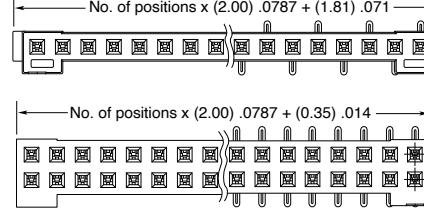
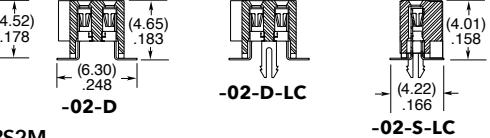
STACK HEIGHTS	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	MAX. CYCLES	LEAD-FREE SOLDERABLE
6 & 7 mm	Black LCP	BeCu (S2M) Phosphor Bronze (T2M)	Au or Sn over 50 $\mu$ " (1.27 $\mu$ m) Ni	-55 °C to +125 °C	2.6 A (2 pins powered)	350 VAC/ 495 VDC	100 with 10 $\mu$ " (0.25 $\mu$ m) Au	Yes

**(2.00 mm) .0787" PITCH • HIGH-RELIABILITY INTERCONNECTS**

SERIES	1	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	ROW OPTION	OPTIONS	PACKAGING
<b>S2M</b> Socket		(Per Row) <b>05, 07, 10, 15, 20</b>	<b>-01</b> = Through-hole	<b>-F</b> = Gold flash on contact, Matte Tin on tail	<b>-D</b> = Double row	<b>-K</b> = (5.50 mm) .217" DIA Polyimide film Pick & Place Pad (-02 only)	Leave blank for tube packaging
		<b>25, 30</b> (Available with -D row option only)	<b>-02</b> = Surface Mount	<b>-L</b> = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail	<b>-S</b> = Single row	<b>-LC</b> = Locking Clip (Manual placement required (-02 only))	<b>-TR</b> = Tape & Reel (-02 only)

**S2M Board Mates:** T2M

**Cable Mates:** T2SD, T2SDT

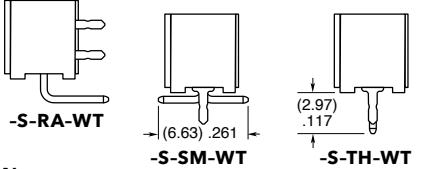
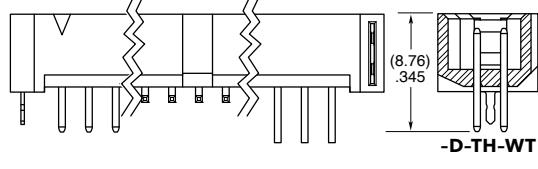
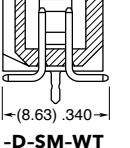
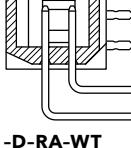





View complete specifications at: [samtec.com?S2M](http://samtec.com?S2M)

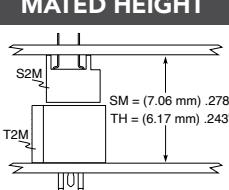
SERIES	1	NO. OF POSITIONS	01	PLATING OPTION	ROW OPTION	TAIL OPTION	OTHER OPTIONS	PACKAGING
<b>T2M</b> Header		(Per Row) <b>05, 07, 10, 15, 20</b>		<b>-L</b> = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail	<b>-D</b> = Double row	<b>-TH</b> = Through-hole	<b>-WT</b> = Weld Tab (S2SD & S2SDT, -SR/-DR required mate)	Leave blank for tube packaging
		<b>25, 30</b> (Available with -D row option only)			<b>-S</b> = Single row	<b>-RA</b> = Right-angle	<b>-DS</b> = Screw Down (N/A with -RA) (mates with -S2M-DS, S2SX/S2SXT-SS-/DS option)	<b>-TR</b> = Tape & Reel (-SM only)

**T2M Board Mates:** S2M

**Cable Mates:** S2SD, S2SDT, S2SS, S2SST

**MATED HEIGHT**



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

View complete specifications at: [samtec.com?T2M](http://samtec.com?T2M)