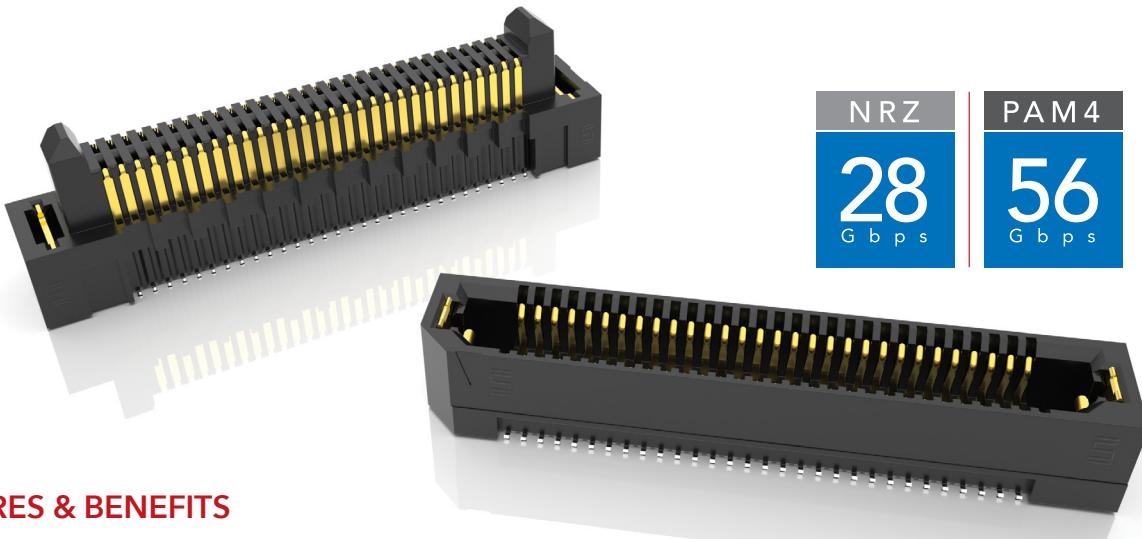


# RUGGED HIGH-SPEED STRIPS



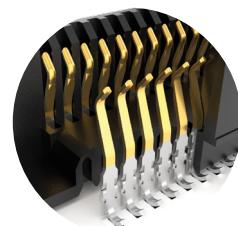
## FEATURES & BENEFITS

Edge Rate® rugged high-speed connector strips are designed for high-speed, high cycle applications, and enabled by Samtec's signal integrity-optimized Edge Rate® contact system.

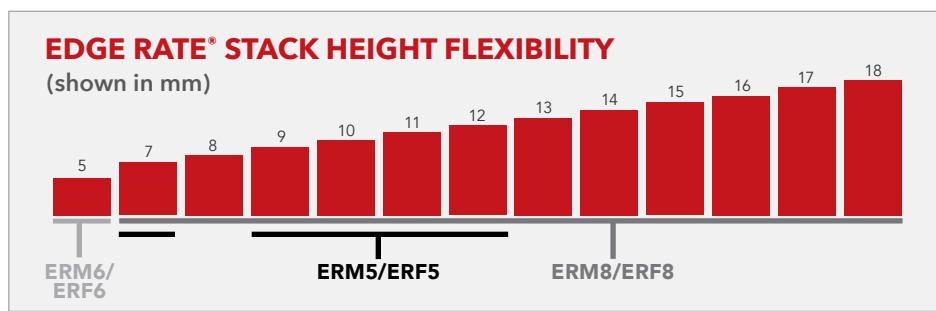
- Up to 1.5 mm contact wipe for a reliable connection
- 20 to 200 positions
- Choice of 0.50 mm, 0.635 mm or 0.80 mm pitch
- 0.50 mm pitch system offers up to 40% PCB space savings vs. 0.80 mm pitch
- 0.635 mm pitch system with extremely slim 2.5 mm body width
- Rugged latching, extended guide posts and 360° shielding
- Severe Environment Testing qualified (ERM8/ERF8); aligns with MIL-DTL-55302.

Visit [samtec.com/set](http://samtec.com/set)

**EDGE®**  
RATE  
CONTACT



Signal integrity-optimized  
Edge Rate® contact  
system reduces  
broadside coupling



Rugged 360° shielding  
reduces EMI

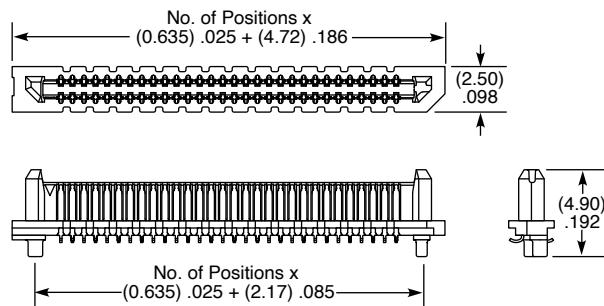
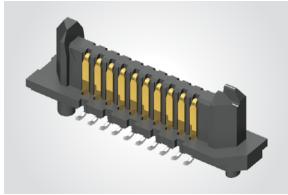
## KEY SPECIFICATIONS

Series	Pitch	Insulator Material	Terminal Material	Plating	Operating Temp Range	Current Rating	Voltage Rating	Lead-Free Solderable
ERM5 / ERF5	0.50 mm	Black LCP	Phosphor Bronze or BeCu (ERM5), BeCu (ERF5)	Au or Sn over 50 $\mu$ " (1.27 $\mu$ m) Ni	-55 °C to +125 °C	1.5 A	190 VAC/ 269 VDC	Yes
ERM6 / ERF6	0.635 mm		Copper Alloy			1.4 A	155 VAC/ 219 VDC	
ERM8 / ERF8	0.80 mm		Phosphor Bronze or BeCu (ERM8), BeCu (ERF8)			2.2 A	225 VAC/ 318 VDC	

(0.635 mm) .025" PITCH • RUGGED HIGH-SPEED HEADERS & SOCKETS

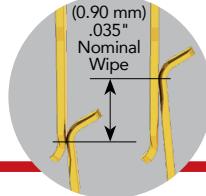
ERM6	POSITIONS PER ROW	01.5	PLATING OPTION	DV	A	OPTION	K	"X"R
	-10, -20, -30, -40, -50, -60 (Standard Sizes)			-L = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail		(Leave Blank for No Weld Tab)		
				-WT = Weld Tab				-TR = Tape & Reel
								-FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

**ERM6**  
Board Mates:  
ERF6



MATED HEIGHT*	
ERF6 LEAD STYLE	ERM6 LEAD STYLE
-01.5	-01.5
-03.5	(5.00) .197

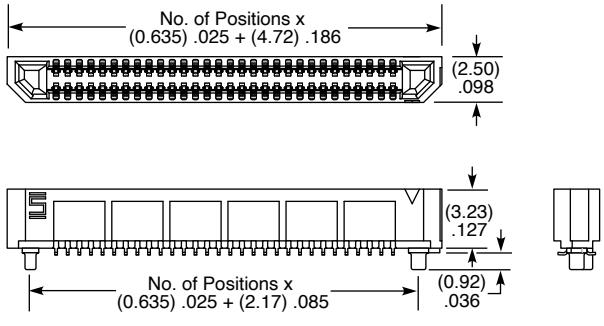
\*Processing conditions will affect mated height.



View complete specifications at: [samtec.com?ERM6](http://samtec.com?ERM6)

ERF6	POSITIONS PER ROW	03.5	PLATING OPTION	DV	A	OPTION	K	"X"R
	-10, -20, -30, -40, -50, -60 (Standard Sizes)			-L = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail		(Leave Blank for No Weld Tab)		
				-WT = Weld Tab				-TR = Tape & Reel

**ERF6**  
Board Mates:  
ERM6



MATED HEIGHT*	
ERF6 LEAD STYLE	ERM6 LEAD STYLE
-01.5	-01.5
-03.5	(5.00) .197

\*Processing conditions will affect mated height.

**Notes:**

Kapton pad and tape & reel packaging are standard.

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

View complete specifications at: [samtec.com?ERF6](http://samtec.com?ERF6)