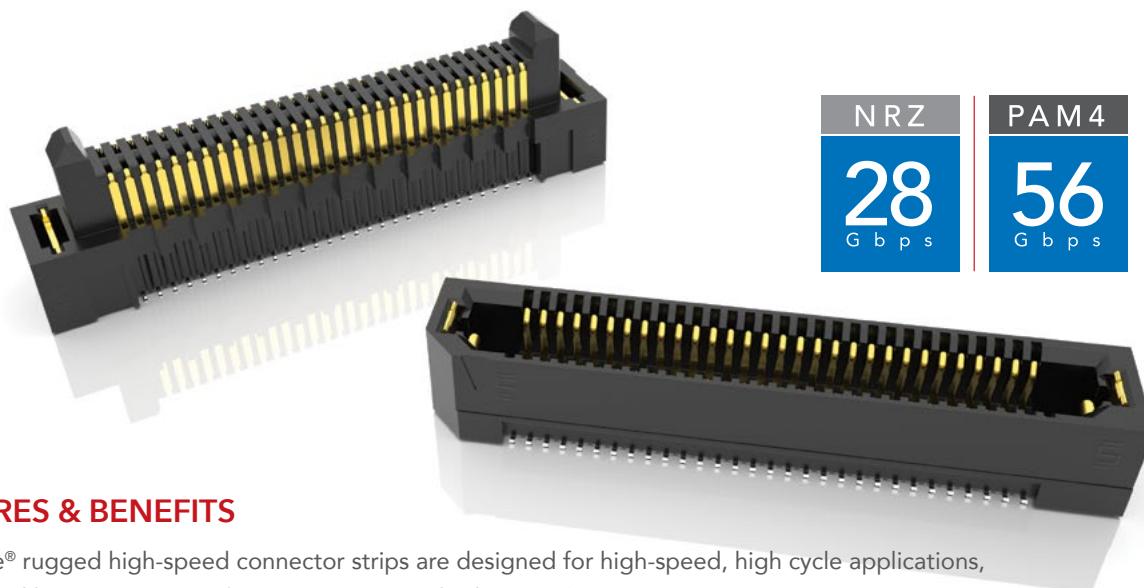


RUGGED HIGH-SPEED STRIPS



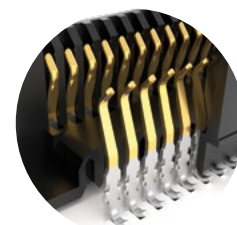
NRZ	PAM 4
28 Gbps	56 Gbps

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



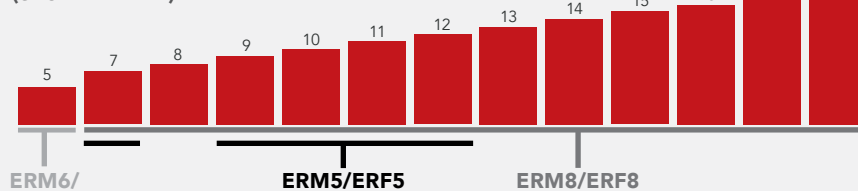
Signal integrity-optimized Edge Rate® contact system reduces broadside coupling



Rugged 360° shielding reduces EMI

EDGE RATE® STACK HEIGHT FLEXIBILITY

(shown in mm)



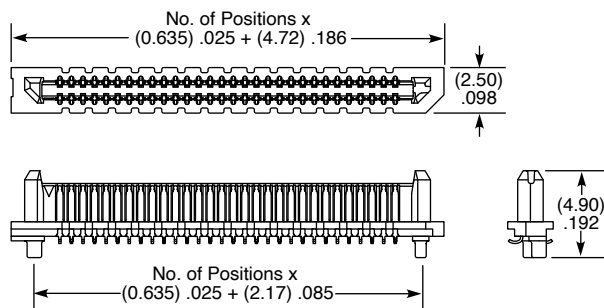
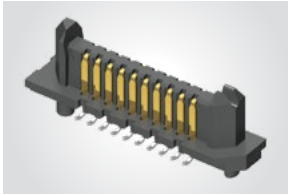
KEY SPECIFICATIONS

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 μ" (1.27 μm) Ni	-55 °C to +125 °C	1.5 A	190 VAC	Yes
ERM6 / ERF6	0.635 mm		Copper Alloy			1.4 A	155 VAC	
ERM8 / ERF8	0.80 mm		Phosphor Bronze or BeCu (ERM8), BeCu (ERF8)			1.4 A	225 VAC	

(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 μ" (0.25 μm) 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

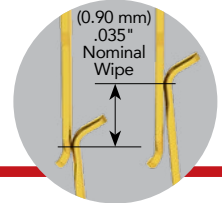


MATED HEIGHT*

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

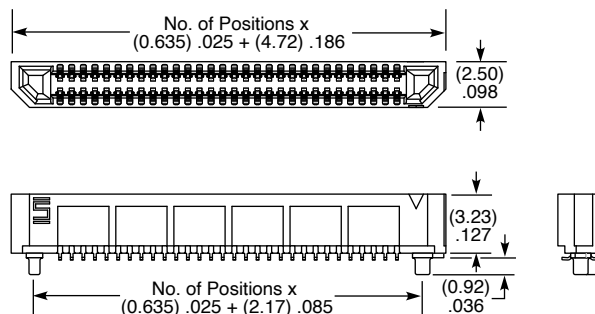
*Processing conditions will affect mated height.

View complete specifications at: samtec.com?ERM6



ERF6	POSITIONS PER ROW	03.5	PLATING OPTION	DV	A	OPTION	K	"X"R
	-10, -20, -30, -40, -50, -60 (Standard Sizes)		-L = 10 μ" (0.25 μm) 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)

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

<u>ERM6-10-01.5-L-DV-A-K-TR</u>	<u>ERM6-20-01.5-L-DV-A-K-TR</u>	<u>ERM6-30-01.5-L-DV-A-K-TR</u>	<u>ERM6-40-01.5-L-DV-A-K-TR</u>
<u>ERM6-50-01.5-L-DV-A-K-TR</u>	<u>ERM6-60-01.5-L-DV-A-K-TR</u>	<u>ERM6-40-01.5-S-DV-A-K-TR</u>	<u>ERM6-30-01.5-L-DV-A-K-FR</u>
<u>ERM6-20-01.5-S-DV-A-K-FR</u>	<u>ERM6-20-01.5-L-DV-A-K-FR</u>	<u>ERM6-20-01.5-S-DV-A-K-TR</u>	