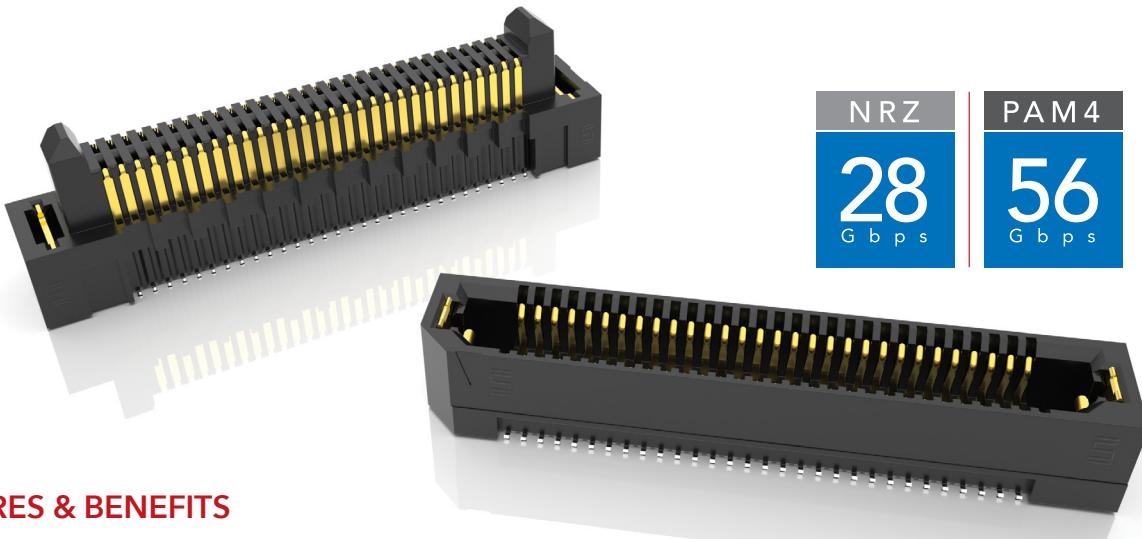


RUGGED HIGH-SPEED STRIPS



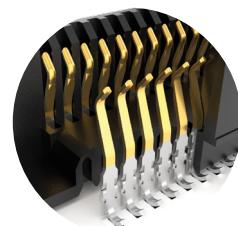
FEATURES & BENEFITS

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.

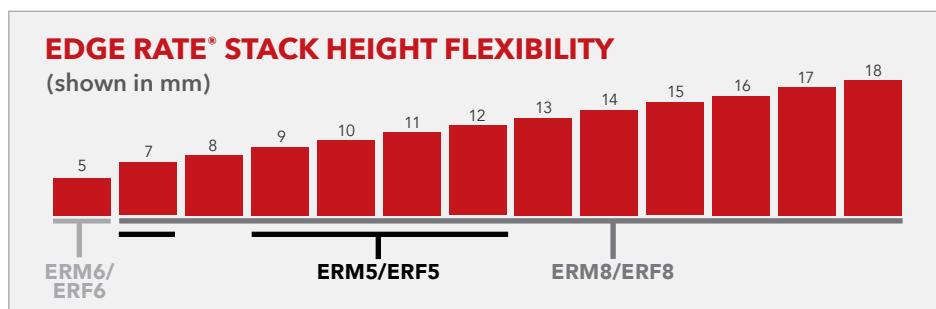
- Up to 1.5 mm contact wipe for a reliable connection
- 20 to 200 positions
- Choice of 0.50 mm, 0.635 mm or 0.80 mm pitch
- 0.50 mm pitch system offers up to 40% PCB space savings vs. 0.80 mm pitch
- 0.635 mm pitch system with extremely slim 2.5 mm body width
- Rugged latching, extended guide posts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

Visit samtec.com/set

EDGE®
RATE
CONTACT



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

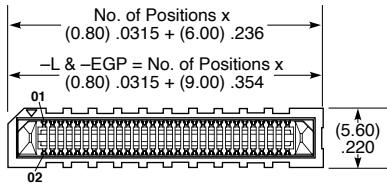
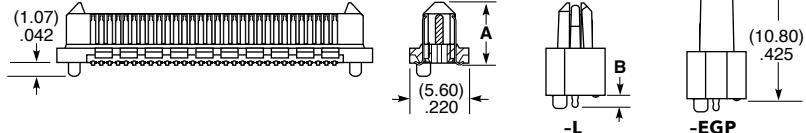
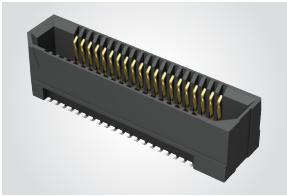
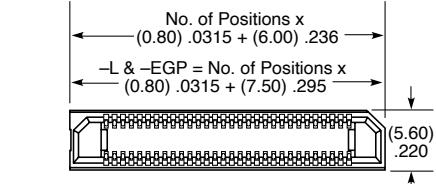
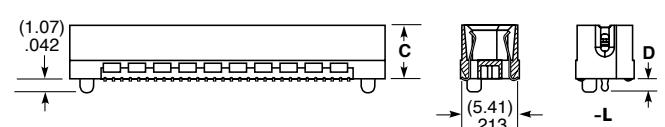


Rugged 360° shielding
reduces EMI

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 μ " (1.27 μ 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	

(0.80 mm) .0315" PITCH • RUGGED HIGH-SPEED HEADERS & SOCKETS

TYPE	POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	DV	OPTIONS	"X"R
ERM8 = Header	-005, -010, -011, -013, -020, -025, -030, -035, -040, -049, -050, -060, -070, -075, -100	SPECIFY LEAD STYLE FROM CHART	-L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail		-DS = Differential Pair (ERM8 -05.0 Lead Style with -010, -013, -025, -049 Positions only) (-P not available)	-TR = Tape & Reel (100 Positions N/A)
ERF8 = Socket	-005, -010, -011, -013, -020, -025, -030, -035, -040, -049, -050, -060, -070, -075, -100				-L = Latching (ERM8 -03.0, -05.0 & -09.0 Lead Styles only & -EGP Option not available) (ERF8 -05.0, -07.0 & -09.0 Lead Style only, -L & -EGP Options not available)	-FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (100 Positions N/A)
	(100 Position Only Available with ERM8-09.0 & ERF8-05.0 Lead Styles; -L or -EGP N/A)				-EGP = Extended Guide Post (ERM8 -05.0 & ERF8 -07.0 Lead Style Only & -L Option not available)	
ERM8 Board Mates: ERF8					-DSP = Differential Pair with Extended Guide Post (ERM8 -05.0 Lead Style with -013 and -025 Positions only)	
Cable Mates: ERCD, ERDP					-K = Polyimide Film Pick & Place Pad (-02.0 Lead Style not available)	
		ERM8 LEAD STYLE	A	B	-P = Pick & Place Pad (ERM8 -02.0, -03.0 & -05.0 Lead Styles only) (-DS not available)	
		-02.0	(5.97).235	N/A		
		-03.0	(6.97).274	(1.60).063		
		-05.0	(8.91).351	(1.17).046		
		-08.0	(11.91).469	N/A		
		-09.0	(12.91).508	(1.60).063		
		ERF8 LEAD STYLE	C	D	MATED HEIGHT*	
ERF8 Board Mates: ERM8		ERF8 LEAD STYLE	C	D	ERM8 LEAD STYLE	ERF8 LEAD STYLE
ERF8 Cable Mates: ERCD, ERDP		-05.0	(5.34).210	(1.60).063	-05.0	-05.0
		-07.0	(7.25).285	(1.17).046	-07.0	-07.0
		-09.0	(9.34).368	(1.60).063	-09.0	-09.0
Notes: Severe Environment Testing qualified; aligns with MIL-DTL-55302. Visit samtec.com/set		ERF8 LEAD STYLE	C	D		
Some lengths, styles and options are non-standard, non-returnable.		-05.0	(5.34).210	(1.60).063		
		-07.0	(7.25).285	(1.17).046		
		-09.0	(9.34).368	(1.60).063		

View complete specifications at: samtec.com?ERM8

*Processing conditions will affect
mated height.