

RUGGED HIGH-SPEED STRIPS



NRZ
28
Gbps

PAM4
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

EDGE
RATE
CONTACT



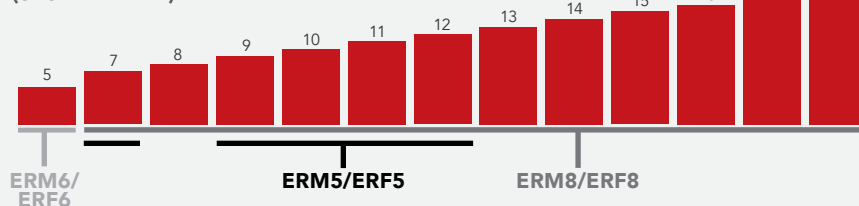
Signal integrity-optimized
Edge Rate® contact
system reduces
broadside coupling



Rugged 360° shielding
reduces EMI

EDGE RATE® STACK HEIGHT FLEXIBILITY

(shown in mm)



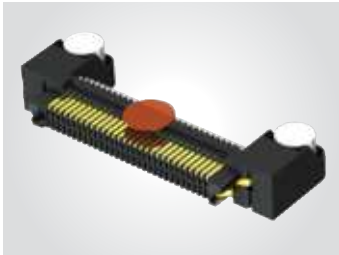
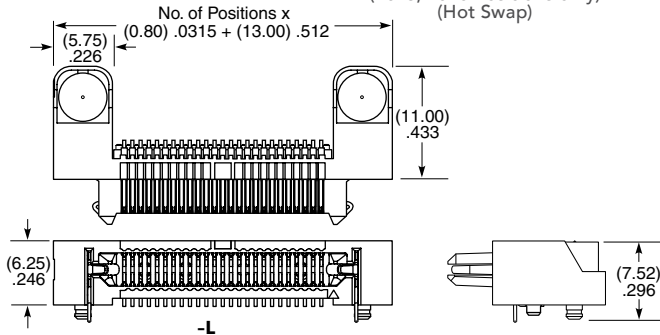
KEY SPECIFICATIONS

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/ 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 • RIGHT-ANGLE & EDGE MOUNT HIGH-SPEED HEADERS

ERM8	POSITIONS PER ROW	01	PLATING OPTION	D	RA	OPTIONS	"X"R
Right-Angle Terminal	-010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075		-L = 10 μ" (0.25 μm) Gold on contact area, Matte Tin on tail			-K = (6.00 mm) .236" DIA Polyimide Film Pick & Place Pad -L = Latching -DS = Differential Pair (-013, -025 Positions only) (Hot Swap)	-TR = Tape & Reel -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

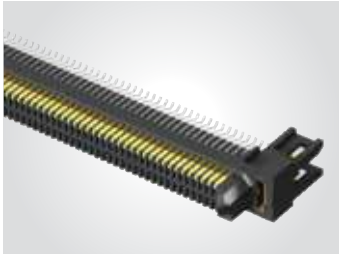
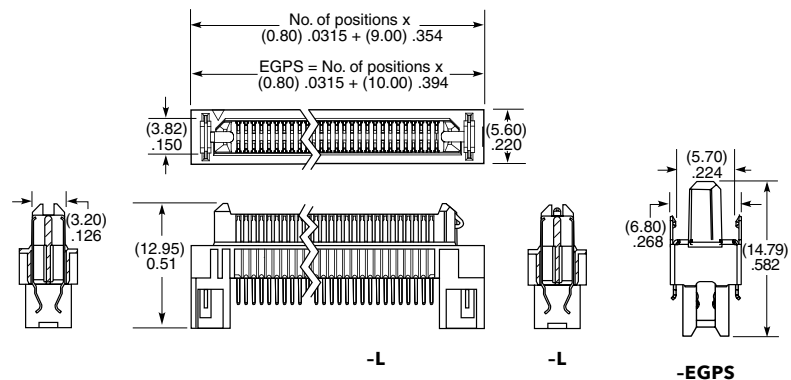
ERM8-RA
Board Mates:
ERF8
Cable Mates:
ERCD

 View complete specifications at: samtec.com?ERM8-RA

ERM8	POSITIONS PER ROW	01	PLATING OPTION	D	EM2	OPTIONS	"X"R
Edge Mount Terminal	-010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075		-L = 10 μ" (0.25 μm) Gold on contact area, Matte Tin on tail		= (1.60 mm) .062" Thick PCB	-L = Latching (Mates to ERF8 Lead Style -05.0 or -RA Only) -DS = Differential Pair (-013 & -025 Positions only) (Hot Swap) -EGPS = Extended Guide Post Shield (-010, -020, -025, -030 Positions Only) -DSS = Differential Pair + Extended Guide Post Shield (-025 Positions Only) (Hot Swap)	-TR = Tape & Reel -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

ERM8-EM
Board Mates:
ERF8
Cable Mates:
ERCD

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

 View complete specifications at: samtec.com?ERM8-EM