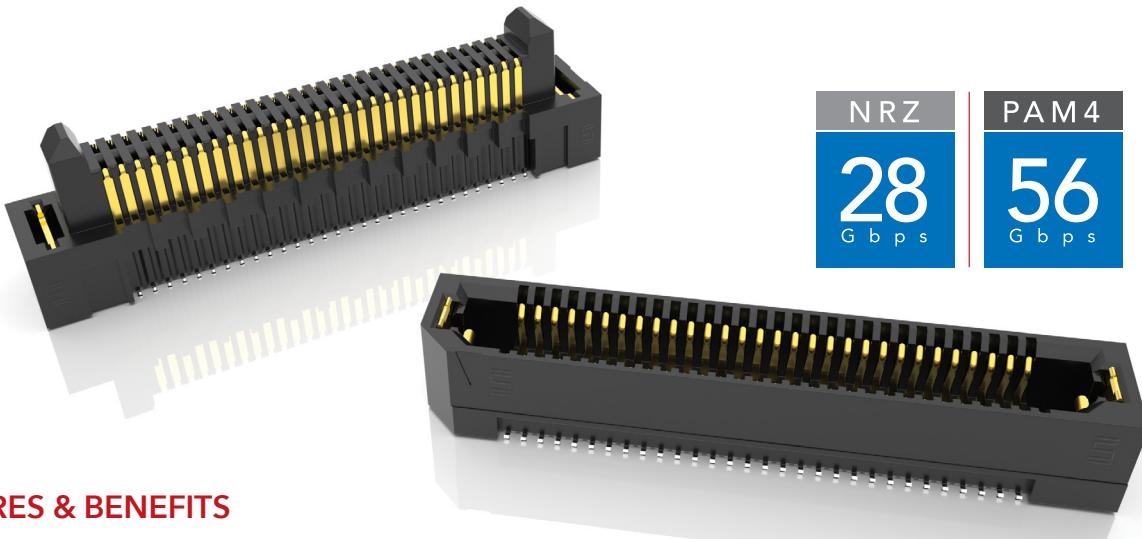


RUGGED HIGH-SPEED STRIPS



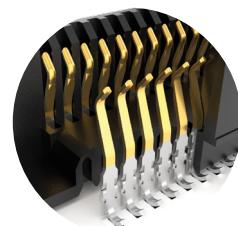
FEATURES & BENEFITS

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.

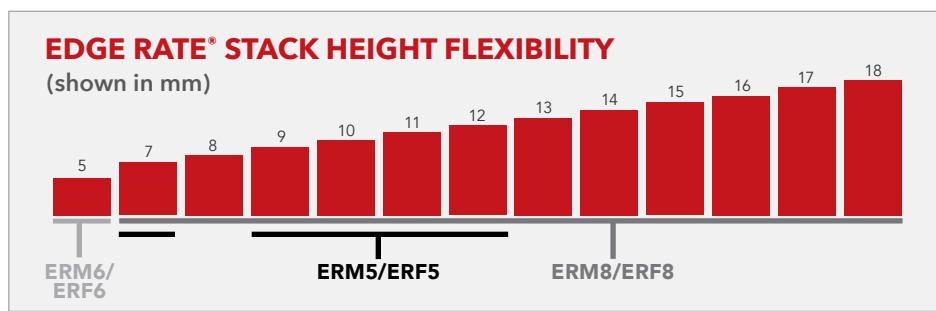
- Up to 1.5 mm contact wipe for a reliable connection
- 20 to 200 positions
- Choice of 0.50 mm, 0.635 mm or 0.80 mm pitch
- 0.50 mm pitch system offers up to 40% PCB space savings vs. 0.80 mm pitch
- 0.635 mm pitch system with extremely slim 2.5 mm body width
- Rugged latching, extended guide posts 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

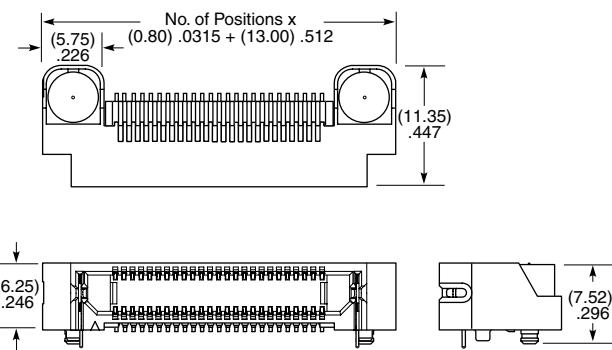
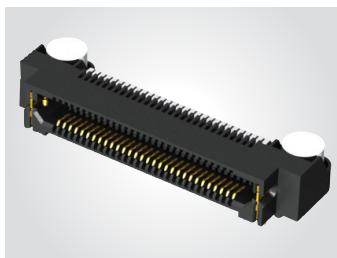
KEY SPECIFICATIONS

| 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 • RIGHT-ANGLE & EDGE MOUNT HIGH-SPEED SOCKETS

| ERF8 | POSITIONS PER ROW | 01 | PLATING OPTION | D | RA | OPTIONS | "X"R |
|--------------------|--|----|--|---|----|---|--|
| Right-Angle Socket | -010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075 | | -L = 10 μ " (0.25 μ m) Gold on contact area, Matte Tin on tail | | | -L = Latching (N/A with -EGP Option) -EGP = Extended Guide Post (N/A with -L Option) | -TR = Tape & Reel -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) |

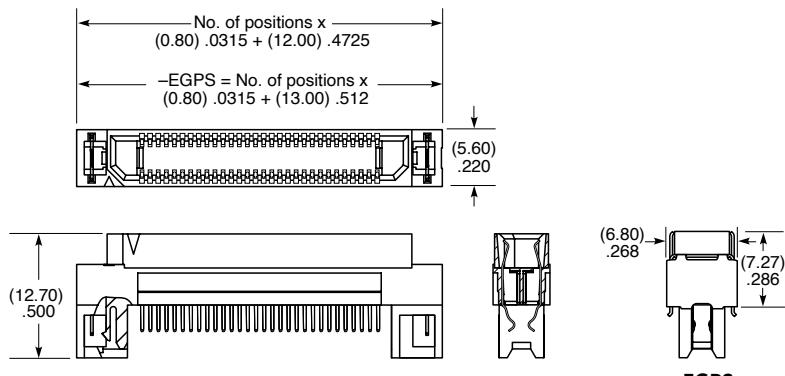
ERF8-RA
Board Mates:
ERM8
Cable Mates:
ERCD, ERDP



View complete specifications at: samtec.com?ERF8-RA

| ERF8 | POSITIONS PER ROW | 01 | PLATING OPTION | D | EM2 | OPTIONS | "X"R |
|-------------------|--|----|--|---|-----------------------------------|--|---|
| Edge Mount Socket | -010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075 | | -L = 10 μ " (0.25 μ m) Gold on contact area, Matte Tin on tail | | = (1.60 mm) .062" Thick PCB | -EGPS =Extended Guide Post Shield (-010, -020, -025, -030 Pos. only) | -TR = Tape & Reel -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) |

ERF8-EM
Board Mates:
ERM8



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

View complete specifications at: samtec.com?ERF8-EM