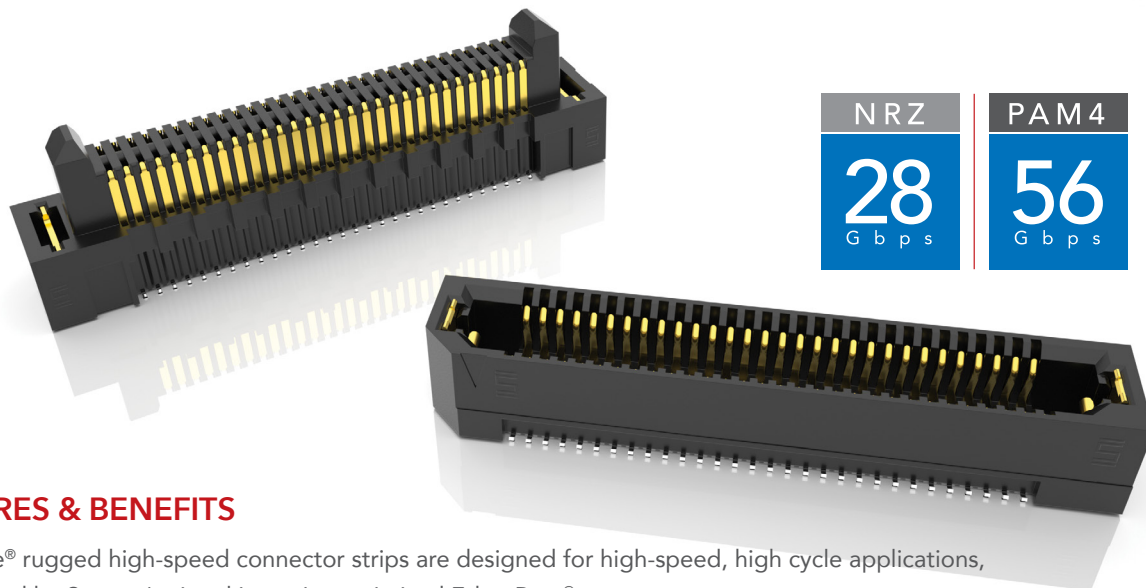


RUGGED HIGH-SPEED STRIPS



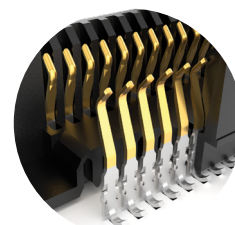
NRZ	PAM 4
28 Gbps	56 Gbps

FEATURES & BENEFITS

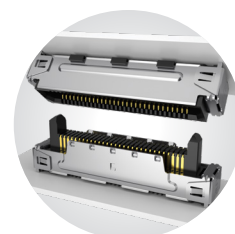
Edge Rate® rugged high-speed connector strips are designed for high-speed, high cycle applications, and enabled by Samtec's signal integrity-optimized Edge Rate® contact system.

- 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



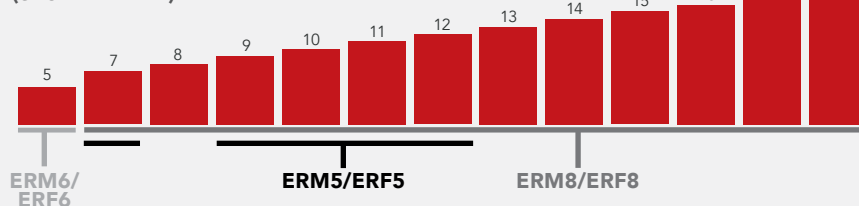
Signal integrity-optimized
Edge Rate® contact
system reduces
broadside coupling



Rugged 360° shielding
reduces EMI

EDGE RATE® STACK HEIGHT FLEXIBILITY

(shown in mm)



KEY SPECIFICATIONS

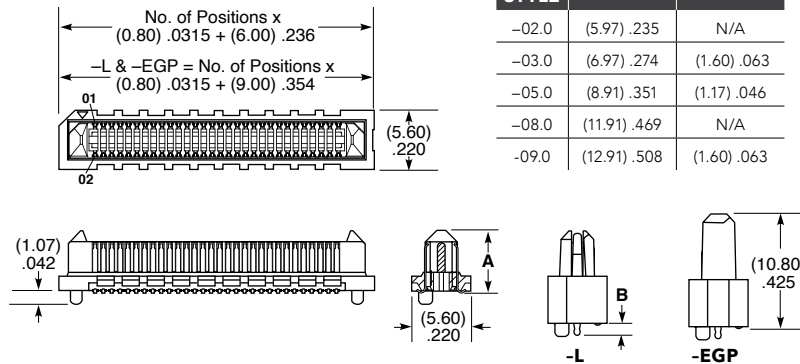
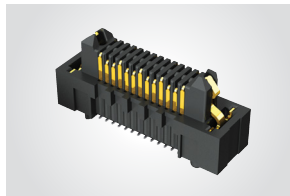
SERIES	PITCH	INSULATOR MATERIAL	TERMINAL MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	LEAD-FREE SOLDERABLE
ERM5 / ERF5	0.50 mm	Black LCP	Phosphor Bronze or BeCu (ERM5), BeCu (ERF5)	Au or Sn over 50 μ" (1.27 μm) Ni	-55 °C to +125 °C	1.5 A	190 VAC/ 269 VDC	Yes
ERM6 / ERF6	0.635 mm		Copper Alloy			1.4 A	155 VAC/ 219 VDC	
ERM8 / ERF8	0.80 mm		Phosphor Bronze or BeCu (ERM8), BeCu (ERF8)			1.4 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 ERF8 = Socket	-005, -010, -011, -013, -020, -025, -030, -035, -040, -049, -050, -060, -070, -075, -100 (100 Position Only Available with ERM8-09.0 & ERF8-05.0 Lead Styles; -L or -EGP N/A)	SPECIFY LEAD STYLE FROM CHART	-L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail -S = 30 μ " (0.76 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) -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) -EGP = Extended Guide Post (ERM8 -05.0 & ERF8 -07.0 Lead Style Only & -L Option not available) -DSP = Differential Pair with Extended Guide Post (ERM8 -05.0 Lead Style with -013 and -025 Positions only) -K = Polyimide Film Pick & Place Pad (-02.0 Lead Style not available) -P = Pick & Place Pad (ERM8 -02.0, -03.0 & -05.0 Lead Styles only) (-DS not available)	-TR = Tape & Reel (100 Positions N/A) -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (100 Positions N/A)

ERM8
Board Mates:
ERF8

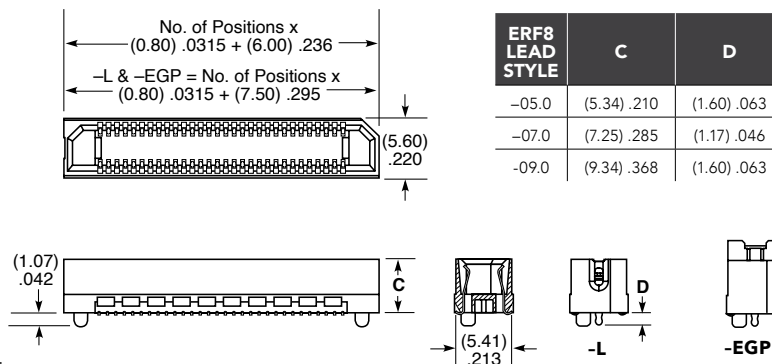
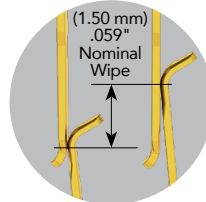
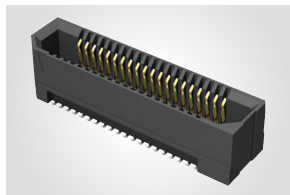
Cable Mates:
ERCD, ERDP



View complete specifications at: samtec.com?ERM8

ERF8
Board Mates:
ERM8

ERF8
Cable Mates:
ERCD, ERDP



Notes:
Severe Environment Testing qualified; aligns with MIL-DTL-55302. Visit samtec.com/set

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

View complete specifications at: samtec.com?ERF8

ERM8 LEAD STYLE	MATED HEIGHT*		
	ERF8 LEAD STYLE -05.0	-07.0	-09.0
-02.0	(7.00) .276	(9.00) .354	(11.00) .433
-03.0	(8.00) .315	(10.00) .394	(12.00) .472
-05.0	(10.00) .394	(12.00) .472	(14.00) .551
-08.0	(13.00) .512	(15.00) .591	(17.00) .669
-09.0	(14.00) .551	(16.00) .630	(18.00) .709

*Processing conditions will affect mated height.

Mouser Electronics

Authorized Distributor

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

[Samtec:](#)

[ERF8-025-09.0-S-DV-K-FR](#) [ERF8-020-07.0-S-DV-EGPS-FR](#) [ERF8-075-09.0-L-DV-K-FR](#)