



(0.80 mm) .0315"

ERM8-RA, ERM8-EM SERIES

# RUGGED EDGE RATE® STRIPS

**ERM8-RA / ERM8-EM**  
**Board Mates:**  
 ERF8  
**ERM8-RA Cable Mates:**  
 ERCD

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?ERM8-RA](http://www.samtec.com?ERM8-RA) or [www.samtec.com?ERM8-EM](http://www.samtec.com?ERM8-EM)

**Insulator Material:** Black LCP  
**Terminal Material:** Phosphor Bronze  
**Latch Material:** BeCu  
**Plating:** Au or Sn over 50 μ" (1.27 μm) Ni  
**Current Rating:** 2.2 A per pin (1 pin powered per row)  
**Operating Temp Range:** -55 °C to +125 °C  
**Voltage Rating:**  
 ERM8-RA: 235 VAC max  
 ERM8-EM: 200 VAC max  
**RoHS Compliant:** Yes

## PROCESSING

**Lead-Free Solderable:**  
 Yes  
**SMT Lead Coplanarity (ERM8-RA):**  
 (0.10 mm) .004" max (010-050)  
 (0.15 mm) .006" max (060-075)  
**SMT Lead Coplanarity (ERM8-EM):**  
 (0.10 mm) .004" max (005-030)  
 (0.12 mm) .005" max (040-075)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

## APPLICATIONS

STANDARD	POS.	PART NOS.	SERIES
NEXUS5001™.org	11	ASP-137971-01	ERM8-EM
POWER.org™	17	ASP-137974-01	ERM8-EM
ARM/HSSTP	20	ASP-133811-01	ERM8-EM
NEXUS5001™.org	23	ASP-133811-02	ERM8-EM
POWER.org™	35	ASP-135040-01	ERM8-EM

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



**-010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075**

**-L**  
 = 10 μ" (0.25 μm)  
 Gold on contact, Matte Tin on tail

**-K**  
 = (6.00 mm) .236"  
 DIA Polyimide Film Pick & Place Pad

**-TR**  
 = Tape & Reel

**-L**  
 = Latching

**-DS**  
 = Differential Pair (-013, -025 positions only) (Hot swap)

**ALSO AVAILABLE (MOQ Required)**

- Other positions
- Solder leads & weld tab for (2.36 mm) .093" thick board
- Other platings

Contact Samtec.



**-005, -010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075**

**-L**  
 = 10 μ" (0.25 μm)  
 Gold on contact, Matte Tin on tail

**-EM2**  
 = (1.60 mm) .062"  
 Thick PCB

**-L**  
 = Latching (Mates to ERF8 Lead Style -05.0 or -RA only)

**-TR**  
 = Tape & Reel

**-DS**  
 = Differential Pair (-013, -025 pos. only) (Hot Swap)

**-EGPS**  
 = Extended Guide Post Shield (-010, -020, -025, -030 pos. only)

**-DSS**  
 = Differential Pair + Extended Guide Post Shield (-025 pos. only) (Hot Swap)

**-DS OPTION**

PIN COUNT	PAIR COUNT
2x13	8
2x25	16

No. of positions x (0.80) .0315 + (9.00) .354  
 EGPS = No. of positions x (0.80) .0315 + (10.00) .394