



(0,80 mm) .0315"

ERM8-RA, ERM8-EM SERIES

ERM8-030-01-L-D-RA-L-K-TR

ERM8-060-01-L-D-EM2-TR

# RUGGED EDGE RATE™ STRIPS



- Edge Rate™ contacts
- Latching option
- Extended guide post option
- PCB mounting pins

## ERM8-RA / ERM8-EM

Board Mates:  
ERF8

ERM8-EM Cable Mates:  
ERCD, ERDP

### 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)

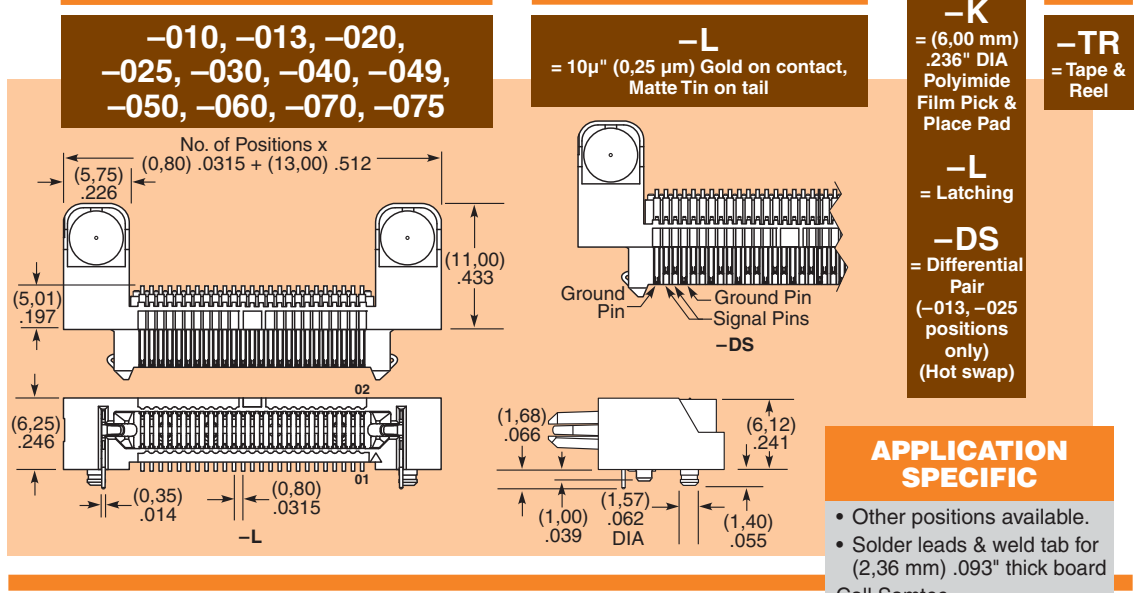
**Insulator Material:** Black LCP  
**Terminal Material:** Phosphor Bronze  
**Latch Material:** BeCu



**Plating:** Au or Sn over 50µ" (1,27 µm) Ni  
**Current Rating:** 1.4A per contact @ 95°C (6 adjacent pins powered)  
**Operating Temp Range:** -55°C to +125°C  
**Voltage Rating (ERM8-RA):** 235 VAC max  
**Voltage Rating (ERM8-EM):** 200 VAC max  
**RoHS Compliant:** Yes

**Processing:** Lead-Free Solderable: Yes

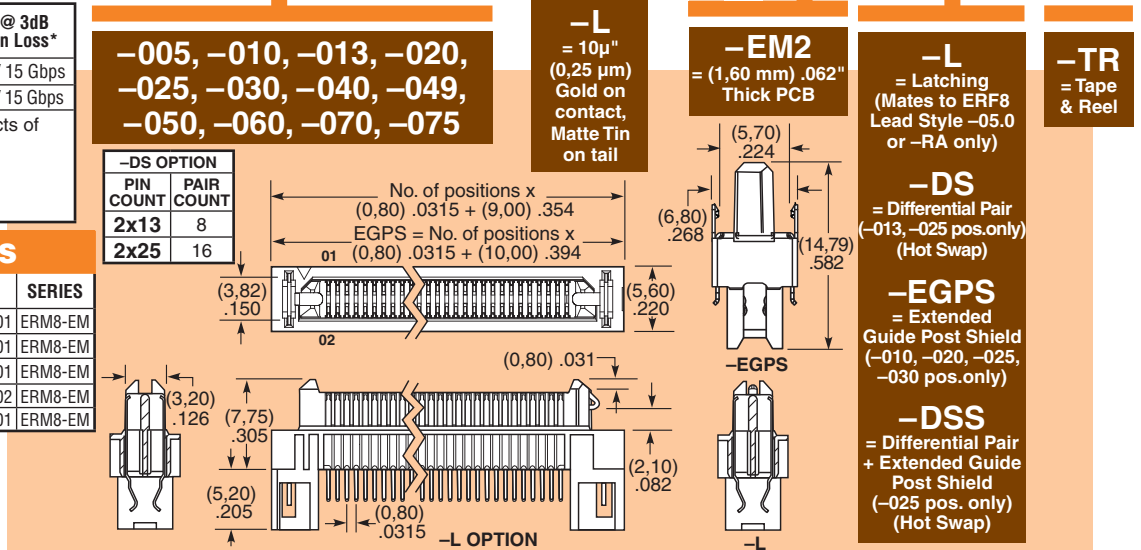
**SMT Lead Coplanarity (ERM8-RA):** (0,10 mm) .004" max  
**SMT Lead Coplanarity (ERM8-EM):** (0,10 mm) .004" max (005-030) (0,12 mm) .005" max (040-075)



**APPLICATION SPECIFIC**

- Other positions available.
- Solder leads & weld tab for (2,36 mm) .093" thick board

Call Samtec.



ERM8-EM/ERF8	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	7.5 GHz / 15 Gbps
Differential Pair Signaling	7.5 GHz / 15 Gbps

\*Performance data includes effects of a non-optimized PCB.

Complete test data available at [www.samtec.com?ERM8-EM](http://www.samtec.com?ERM8-EM) or contact [sig@samtec.com](mailto:sig@samtec.com)

### APPLICATIONS

STANDARD	POS.	PART NOs.	SERIES
NEKUS5001™.org	11	ASP-137971-01	ERM8-EM
POWER.org™	17	ASP-137974-01	ERM8-EM
ARM/HSSTP	20	ASP-133811-01	ERM8-EM
NEKUS5001™.org	23	ASP-133811-02	ERM8-EM
POWER.org™	35	ASP-135040-01	ERM8-EM

**Note:** Other Gold plating options available. Contact Samtec.  
**Note:** Some lengths, styles and options are non-standard, non-returnable.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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