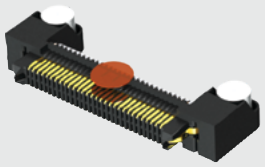
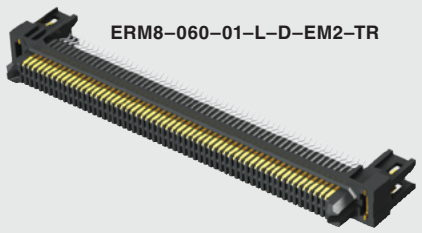
samtec

EDGE® RATE SYSTEM



ERM8–030–01–L–D–RA–L–K–TR



ERM8–060–01–L–D–EM2–TR

(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 or 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 (2 pins powered)
Operating Temp Range: -55 °C to +125 °C
Voltage Rating: 235 VAC / 318 VDC
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)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594

ALSO AVAILABLE (MOQ Required)

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

APPLICATIONS

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

Notes:
Patented

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

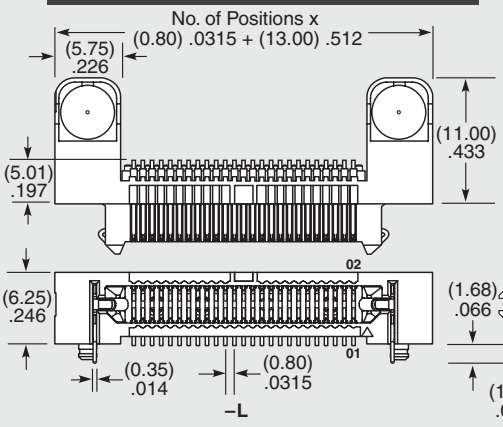
ERM8 - NO. OF POSITIONS PER ROW - 01 - PLATING OPTION - D - RA - OTHER OPTION - TR

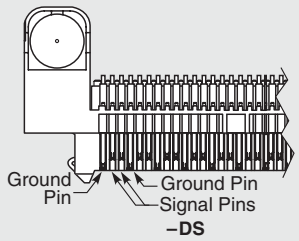
NO. OF POSITIONS PER ROW: –010, –013, –020, –025, –030, –040, –049, –050, –060, –070, –075

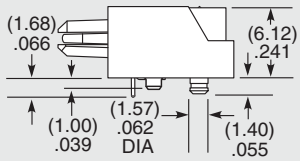
PLATING OPTION: –L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

OTHER OPTION:
–K = (6.00 mm) .236" DIA Polyimide Film Pick & Place Pad
–L = Latching
–DS = Differential Pair (–013, –025 positions only) (Hot swap)

TR: –TR = Tape & Reel







HIGH-SPEED CHANNEL PERFORMANCE

ERM8-RA/ERF8-RA

Rating based on Samtec reference channel.For full SI performance data visit Samtec.com or contact SIG@samtec.com

28 Gbps

ERM8 - NO. OF POSITIONS PER ROW - 01 - PLATING OPTION - D - EM2 - OTHER OPTION - TR

NO. OF POSITIONS PER ROW: –005, –010, –013, –020, –025, –030, –040, –049, –050, –060, –070, –075

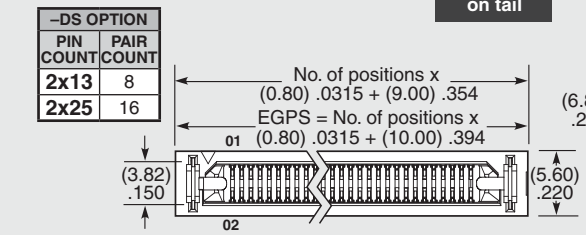
PLATING OPTION: –L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

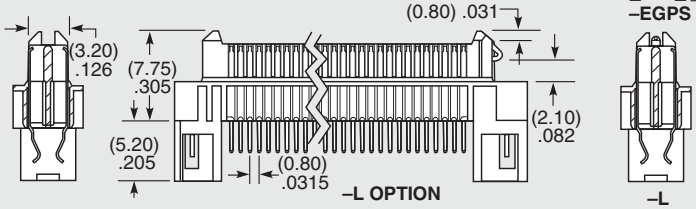
EM2: –EM2 = (1.60 mm) .062" Thick PCB

OTHER OPTION:
–L = Latching (Mates to ERF8 Lead Style –05.0 or –RA only)
–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)

TR: –TR = Tape & Reel

–DS OPTION	
PIN COUNT	PAIR COUNT
2x13	8
2x25	16





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

All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.