



(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 μm (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



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
	-010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075		-L = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail			-K = (6.00 mm) .236" DIA Polyimide Film Pick & Place Pad -L = Latching -DS = Differential Pair (-013, -025 positions only) (Hot swap)	-TR = Tape & Reel
<p>No. of Positions x (0.80) .0315 + (13.00) .512</p>		<p>Ground Pin Signal Pins -DS</p>		<p>(1.68) .066 (1.00) .039 (1.57) .062 DIA (6.12) .241 (1.40) .055</p>		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
	-005, -010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075		-L = 10 μm (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) -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 = Tape & Reel
<p>No. of positions x (0.80) .0315 + (9.00) .354 EGPS = No. of positions x 01 (0.80) .0315 + (10.00) .394</p>		<p>(3.82) .150 (5.60) .220</p>		<p>(5.70) .224 (6.80) .268 (14.79) .582</p>		<p>(3.20) .126 (7.75) .305 (5.20) .205 (0.80) .0315 (2.10) .082</p>	
				-L OPTION			

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

WWW.SAMTEC.COM

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.