



(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

(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



FILE NO. E111594

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.

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

ALSO AVAILABLE (MOQ Required)

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

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