



(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 or 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: 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

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)

RECOGNITIONS

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



FILE NO. E111594

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 or contact sig@samtec.com	

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: 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 = 10µ" (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

Technical drawings showing dimensions and pin configurations for ERM8-RA and ERM8-EM strips. Dimensions include (5,75) .226, (0,80) .0315 + (13,00) .512, (11,00) .433, (5,01) .197, (6,25) .246, (0,35) .014, (0,80) .0315, (1,68) .066, (1,57) .062 DIA, (1,40) .055, (6,12) .241, (1,00) .039, (1,40) .055, (5,70) .224, (6,80) .268, (14,79) .582, (3,82) .150, (3,20) .126, (7,75) .305, (5,20) .205, (0,80) .031, (2,10) .082, (0,80) .0315, (0,80) .0315 + (9,00) .354, (0,80) .0315 + (10,00) .394.

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 = 10µ" (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

Technical drawings showing dimensions and pin configurations for ERM8-EM2 and ERM8-EM strips. Dimensions include (5,70) .224, (6,80) .268, (14,79) .582, (3,82) .150, (3,20) .126, (7,75) .305, (5,20) .205, (0,80) .031, (2,10) .082, (0,80) .0315, (0,80) .0315 + (9,00) .354, (0,80) .0315 + (10,00) .394.

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

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