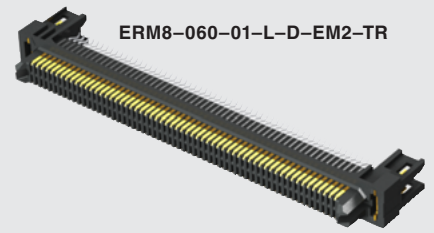


ERM8-030-01-L-D-RA-L-K-TR



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-EM Cable Mates:

ERCD, ERDP

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 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

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



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: Patented

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



-010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075

No. of Positions x (0.80) .0315 + (13.00) .512

(5.75) .226
(5.01) .197
(6.25) .246
(11.00) .433
(0.35) .014
(0.80) .0315

-L

-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

ALSO AVAILABLE (MOQ Required)

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

Contact Samtec.



-005, -010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075

No. of positions x (0.80) .0315 + (9.00) .354
EGPS = No. of positions x (0.80) .0315 + (10.00) .394

(3.82) .150
(5.60) .220
(3.20) .126
(7.75) .305
(5.20) .205
(0.80) .0315

-L OPTION

-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

DS OPTION

PIN COUNT	PAIR COUNT
2x13	8
2x25	16

(5.70) .224
(6.80) .268
(14.79) .582
(2.10) .082

-L