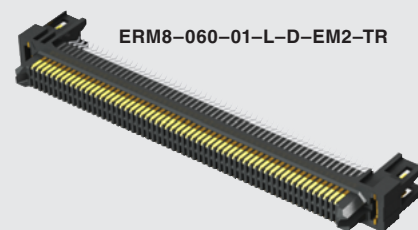


ERM8-030-01-L-D-RA-L-K-TR



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

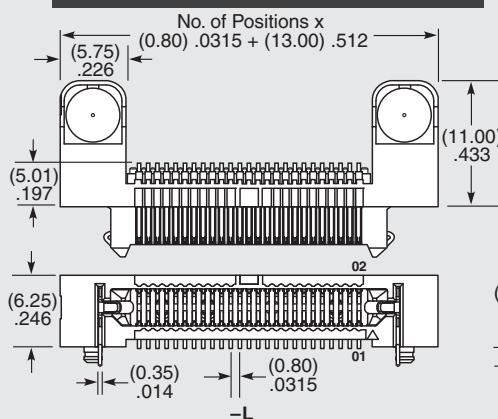
STANDARD	POS.	PART NOS.	SERIES
NEXUS5001™.org	11	ASP-137971-01	ERM8-EM
POWER.org™	17	ASP-137974-01	ERM8-EM
ARM/HSSTP	20	ASP-133811-01	ERM8-EM
NEXUS5001™.org	23	ASP-133811-02	ERM8-EM
POWER.org™	35	ASP-135040-01	ERM8-EM

Note: Patented

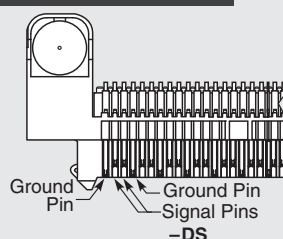
Note: Some lengths, styles and options are non-standard, non-returnable.

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

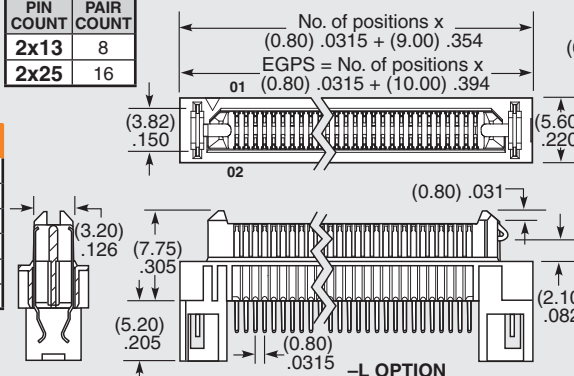
ALSO AVAILABLE (MOQ Required)

- 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

PIN COUNT	PAIR COUNT
2x13	8
2x25	16



-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