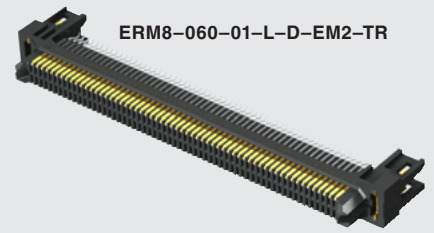


ERM8-030-01-L-D-RA-L-K-TR



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)

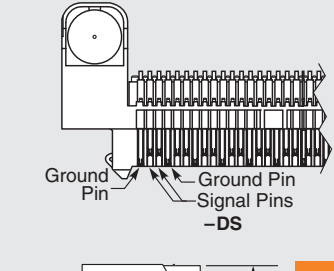
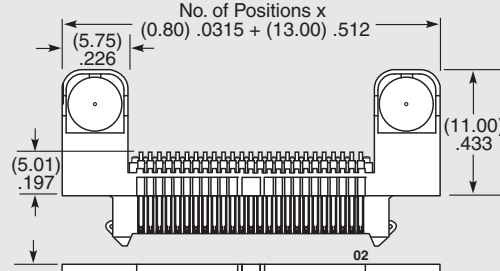


-010, -013, -020, -025, -030, -040, -049, -050, -060, -070, -075

-L = 10µ" (0.25 µm) Gold on contact, Matte Tin on tail

-K = (6.00 mm) .236" DIA Polyimide Film Pick & Place Pad

-TR = Tape & Reel



-L = Latching
-DS = Differential Pair (-013, -025 positions only) (Hot swap)

ALSO AVAILABLE (MOQ Required)

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

Contact Samtec.

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.



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

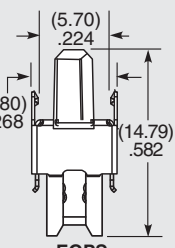
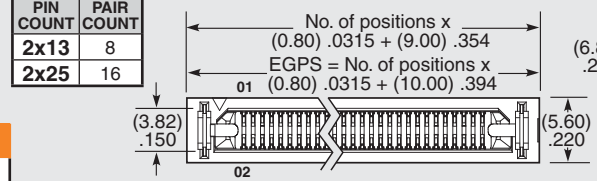
-L = 10µ" (0.25 µm) Gold on contact, Matte Tin on tail

-EM2 = (1.60 mm) .062" Thick PCB

-L = Latching (Mates to ERF8 Lead Style -05.0 or -RA only)

-TR = Tape & Reel

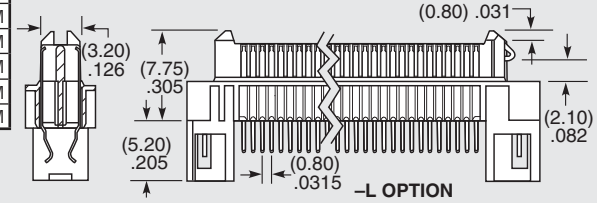
| -DS OPTION | |
|------------|------------|
| PIN COUNT | PAIR COUNT |
| 2x13 | 8 |
| 2x25 | 16 |



-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)



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