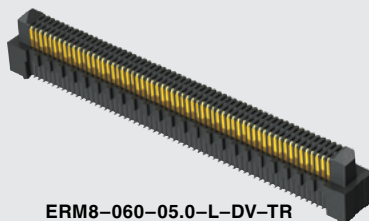


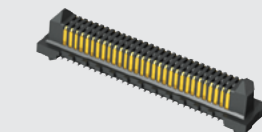


(0.80 mm) .0315"

ERM8-013-05.0-S-DV-DS-L-TR



ERM8-060-05.0-L-DV-TR



ERM8-030-02.0-S-DV-TR

ERM8 SERIES

RUGGED HIGH-SPEED HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?ERM8

Insulator Material:

Black LCP

Terminal Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μ " (1.27 μ m) Ni

Current Rating:

2.2 A per pin

(1 pin powered per row)

Operating Temp Range:

-55 °C to +125 °C

Voltage Rating:

200 VAC max

RoHS Compliant:

Yes

Board Mates:

ERF8

Cable Mates:

ERCD, ERDP

MATED HEIGHT*

ERM8 LEAD STYLE	ERF8 LEAD STYLE	
	-05.0	-07.0
-02.0	(7.00) .276	(9.00) .354
-05.0	(10.00) .394	(12.00) .472
-08.0	(13.00) .512	(15.00) .591
-09.0	(14.00) .551	(16.00) .629

*Processing conditions will affect mated height.

HIGH-SPEED CHANNEL PERFORMANCE

ERM8/ERF8 @ 7 mm Mated Stack Height

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com
or contact SIG@samtec.com

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Gbps

Hot Swap option

Designed for Rugged Micro pitch applications

(1.50 mm)
.059" NOMINAL
WIPE



PROCESSING

Lead-Free Solderable: Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max (005-030)

(0.12 mm) .005" max (040-060)

(0.15 mm) .006" max (070-100)

RECOGNITIONS

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



FILE NO. E111594

PROTOCOLS

- 100 GbE
- PCI Express®

APPLICATIONS

STANDARD	POS.	PART NOS.	SERIES
NEXUS5001™.org	11	ASP-137968-01	ERM8-DV
POWER.org™	17	ASP-137972-01	ERM8-DV
ARM/HSSTP	20	ASP-130365-01	ERM8-DV
NEXUS5001™.org	23	ASP-130366-01	ERM8-DV
POWER.org™	35	ASP-135020-01	ERM8-DV

LEAD STYLE	A	B
-02.0	(1.61) .063	(5.97) .235
-05.0	(4.61) .181	(8.91) .351
-08.0	(7.61) .300	(11.91) .469
-09.0	(8.61) .339	(12.91) .508

Note: Patented

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

ERM8	POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	DV	OTHER OPTION	TR
	<p>-005, -010, -011, -013, -020, -025, -030, -035, -040, -049, -050, -060, -070, -075, -100</p> <p>(Available with -09.0 lead style only)</p>	<p>Specify LEAD STYLE from chart</p>	<p>-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail</p> <p>-S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail</p>	<p>-DS = Differential Pair (-05.0 lead style only) (-010, -013, -025, -049 Positions only)</p> <p>-K = (4.00 mm) .157" DIA Polyimide Film Pick & Place Pad</p> <p>-L = Latching (-05.0 lead styles only) (Not available with -EGP & -EGPS options)</p> <p>-EGP = Extended Guide Post (-05.0 lead style only) (Not available with -L option)</p> <p>-EGPS = Extended Guide Post Shield (-05.0 lead style only) (-010, -020, -025, -030 Positions only) (Not available with -L option)</p> <p>-DSP = Differential Pair + Extended Guide Post (-05.0 lead styles only) (-013 & -025 Positions only)</p> <p>-DSS = Differential Pair + Extended Guide Post Shield (-05.0 lead styles only) (-025 positions only)</p>	<p>-TR = Tape & Reel Packaging</p>	