

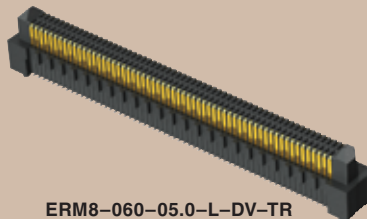


(0,80 mm) .0315"

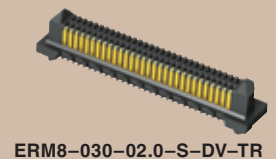
ERM8 SERIES



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



ERM8-060-05.0-L-DV-TR



ERM8-030-02.0-S-DV-TR

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

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:

200 VAC max

RoHS Compliant: Yes

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 (070-075)

Board Mates:
ERF8

Cable Mates:
ERCD, ERDP



Hot Swap option

Designed for Rugged Micro pitch applications



(1,50 mm)

.059"

NOMINAL

WIPE

ERM8/ERF8 7 mm Stack Height	Rated @ 3dB Insertion Loss	
	with PCB effects*	w/o PCB effects**
Single-Ended Signaling	10.5 GHz / 21 Gbps	12 GHz / 24 Gbps
Differential Pair Signaling	9.5 GHz / 19 Gbps	15.5 GHz / 31 Gbps

*Performance data includes effects of a non-optimized PCB.
**Test board losses de-embedded from performance data.

Performance data for other stack heights and complete test data available at www.samtec.com?ERM8 or contact sig@samtec.com

25+

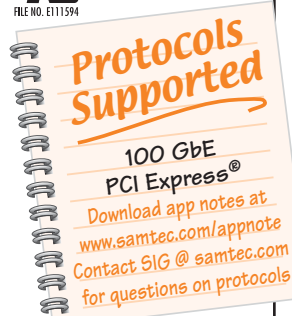
Gbps

ERM8 LEAD STYLE	MATED HEIGHT*	
	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.

RECOGNITIONS

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



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

ERM8

-005, -010, -011, -013, -020, -025, -030, -035 -040, -049, -050, -060, -070, -075, -100

POSITIONS PER ROW

LEAD STYLE

Specify LEAD STYLE from chart

PLATING OPTION

-L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail
-S = 30µ" (0,76 µm) Gold on contact, Matte Tin on tail

DV

-L, -DS, -EGP, -EGPS, -DSP and -DSS only available in Lead Style -05.0 (-DS, -DSP & -DSS are Hot swappable)

OTHER OPTION

-DS = Differential Pair (-013, -025 Positions only)
-K = (4,00 mm) .157" DIA Polyimide Film Pick & Place Pad

TR

-TR = Tape & Reel Packaging

Specify -L, -EGP, EGPS, -DSP or -DSS

-L = Latching
-EGP = Extended Guide Post
-EGPS = Extended Guide Post Shield (-010, -020, -025, -030 Positions only)
-DSP = Differential Pair + Extended Guide Post (-013 & -025 Positions only)
-DSS = Differential Pair + Extended Guide Post Shield (-025 positions only)

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

WWW.SAMTEC.COM

SAMTEC USA • Tel: +1-800-SAMTEC-9 or +1-812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: +1-408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: +1-800-726-8329
 SAMTEC SOUTH AMERICA • Tel: +55 31 3786 3227 SAMTEC UNITED KINGDOM • Tel: +44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
 SAMTEC FRANCE • Tel: +33 1 60 95 06 60 SAMTEC ITALY • Tel: +39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46 8 4477280 SAMTEC BENELUX • Tel: +44 01236 739292
 SAMTEC ISRAEL • Tel: +972 3 7526600 SAMTEC INDIA • Tel: +91 80 3272 1612 SAMTEC ANZ • Tel: +613 9580 0683 SAMTEC SINGAPORE • Tel: +65 6745 5955 SAMTEC JAPAN • Tel: +81 45 475 1385
 SAMTEC SHANGHAI • Tel: +86 21 6083 3766 SAMTEC SHENZHEN • Tel: +86 755 83776780 SAMTEC TAIWAN • Tel: +886 2 2735 6109 SAMTEC HONG KONG • Tel: +852 26904658 SAMTEC KOREA • Tel: +82 31 717 5685