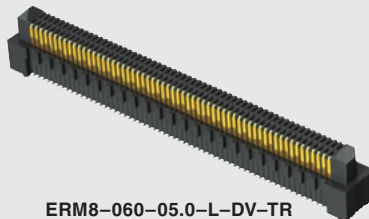


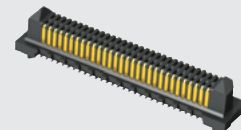


(0,80 mm) .0315"

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

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

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.

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

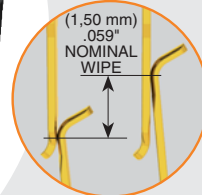
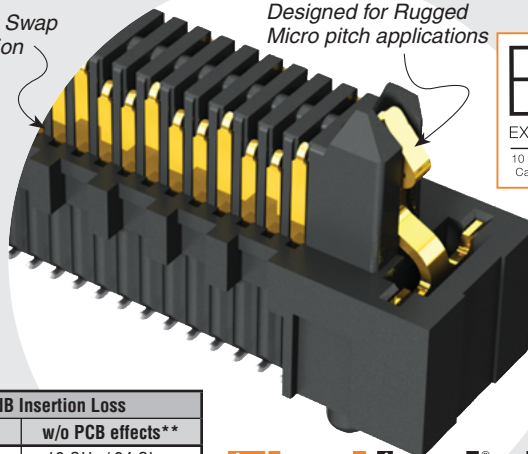
*Performance data includes effects of a non-optimized PCB.

**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

Hot Swap option

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ERM8 ■ POSITIONS PER ROW ■ LEAD STYLE ■ PLATING OPTION ■ DV ■ OTHER OPTION ■ TR

Specify LEAD STYLE from chart

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

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

-DS = Differential Pair (-05.0 lead style only) (-010, -013, -025, -049 Positions only)

-K = (4,00 mm) .157" DIA Polyimide Film Pick & Place Pad

-L = Latching (-05.0 lead styles only) (Not available with -EGP & -EGPS options)

-EGP = Extended Guide Post (-05.0 lead style only) (Not available with -L option)

-EGPS = Extended Guide Post Shield (-05.0 lead style only) (-010, -020, -025, -030 Positions only) (Not available with -L option)

-DSP = Differential Pair + Extended Guide Post (-05.0 lead styles only) (-013 & -025 Positions only)

-DSS = Differential Pair + Extended Guide Post Shield (-05.0 lead styles only) (-025 positions only)

-TR = Tape & Reel Packaging

Dimensions: (5,70) .224, (8,91) .351, (7,20) .283, (10,80) .425, (3,25) (5,60) .128 .220, (1,10) .043, (0,80) .0315, (1,32) .052 DIA, (3,20) .126, (1,07) .042, (5,60) .220

Formulas:
No. of Positions x (0,80) .0315 + (6,00) .236
-L & -EGP = No. of Positions x (0,80) .0315 + (9,00) .354
-EGPS = No. of Positions x (0,80) .0315 + (10,00) .394

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.

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