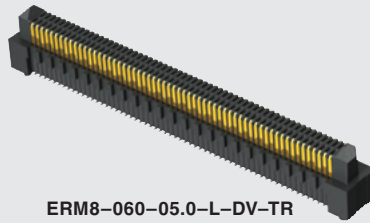
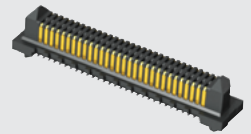




ERM8-013-05.0-S-DV-DS-L-TR



ERM8-060-05.0-L-DV-TR



ERM8-030-02.0-S-DV-TR

ERM8 SERIES

(0,80 mm) .0315"

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

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

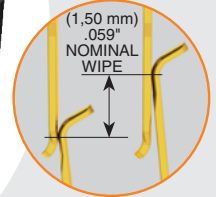
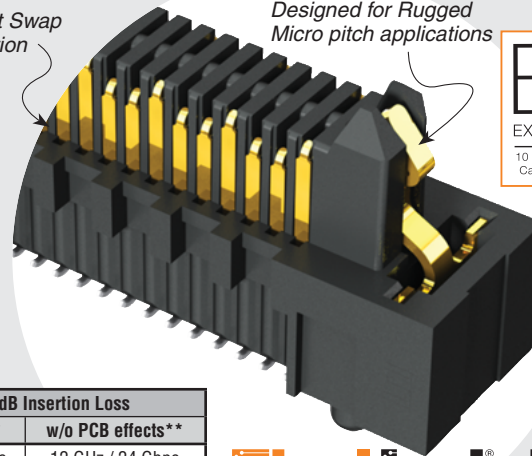
*Processing conditions will affect mated height.

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

Designed for Rugged Micro pitch applications



RECOGNITIONS

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



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

-005, -010, -011, -013, -020, -025, -030, -035, -040, -049, -050, -060, -070, -075, -100 (Available with -09.0 lead style only)

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)

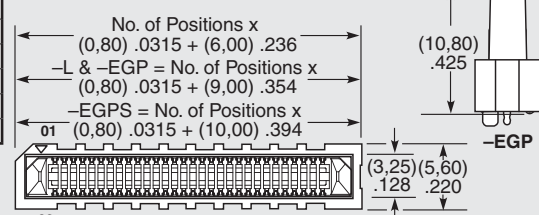
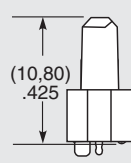
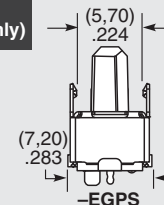
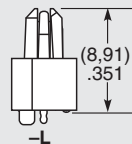
-EGP = Extended Guide Post (-05.0 lead style only) (Not available with -L option)

-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



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.