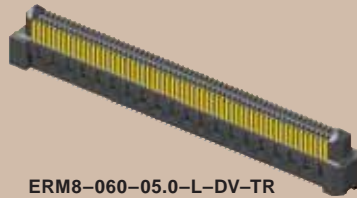




(0,80mm) .0315"

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



RUGGEDIZED
by SAMTEC

- Edge Rate™ contacts
- Latching option
- Extended guide post option

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" (1,27µm) Ni



Current Rating: 2.1A @ 85°C
Operating Temp Range: -55°C to +125°C
Voltage Rating: 200 VAC max
RoHS Compliant: Yes

Processing: Lead-Free Solderable: Yes

SMT Lead Coplanarity: (0,10mm) .004" max (005-030)
(0,12mm) .005" max (040-060)
(0,15mm) .006" max (070-075)

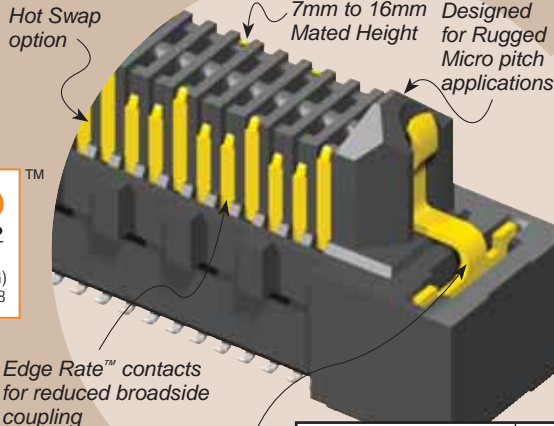
Board Mates: ERF8

Cable Mates: ERDL2, 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.



0,80mm ERM8/ERF8	Rated @ 3dB Insertion Loss
7mm Stack Height	
Single-Ended Signaling	10.5 GHz / 21 Gbps
Differential Pair Signaling	9.5 GHz / 19 Gbps
Performance data for other stack heights and complete test data available at www.samtec.com?ERM8 or contact sig@samtec.com	

Protocols Supported
PCI Express®
Download app notes at www.samtec.com/appnote
Contact SIG @ samtec.com for questions on protocols

ERM8	NO. OF POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	DV	OTHER OPTION	TR
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-005, -010, -020, -030, -040, -050, -060, -070, -075
-013, -025 (Lead Style -05.0 only)

Specify LEAD STYLE from chart

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

-DS = Differential Pair Lead Style -05.0 only (-013, -025 positions only) (Hot swap)
-L = Latching (Lead Style -05.0 only) (Not available with -EGP option)
-EGP = Extended Guide Post (Lead Style -05.0 only) (Not available with -L option, or -013, -025 positions)

-TR = Tape & Reel Packaging

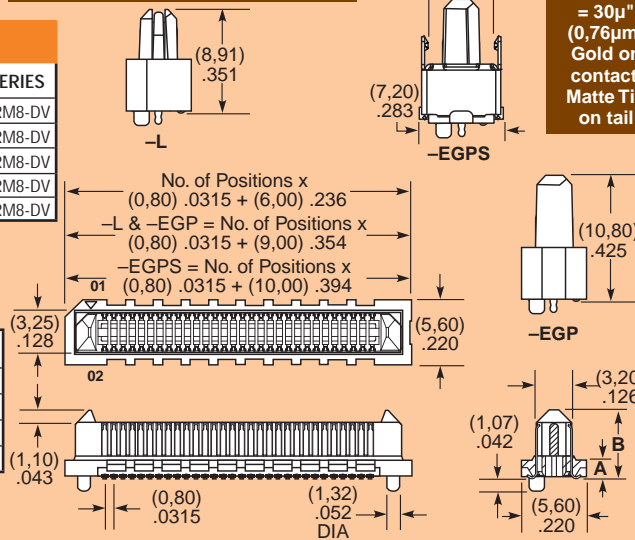
-EGPS = Extended Guide Post Shield (Lead Style -05.0 only) (Not available with -L option) (-010, -020, -025, -030 only)

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

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.

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

WWW.SAMTEC.COM