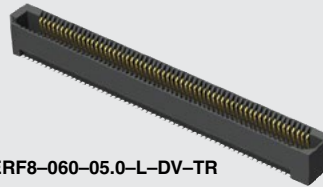
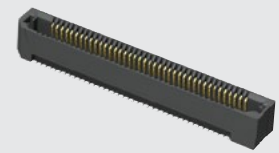


ERF8-020-05.0-S-DV-TR



ERF8-060-05.0-L-DV-TR



ERF8-040-05.0-S-DV-TR

ERF8 SERIES

(0.80 mm) .0315"

RUGGED HIGH-SPEED SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?ERF8

Insulator Material:

Black LCP

Contact Material:

BeCu

Plating:

Au or Sn over 50 μ" (1.27 μm) Ni

Current Rating:

2.2 A per pin

(2 pins powered)

Operating Temp Range:

-55 °C to + 125 °C

Voltage Rating:

225 VAC / 318 VDC

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 (070-100)*

*(.004" stencil solution

may be available; contact

IPG@samtec.com)

RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

- Mezzanine stack heights

APPLICATIONS

STANDARD	POS.	PART NOS.	SERIES
NEXUS5001™.org POWER.org™	10	ASP-148421-01	ERF8-DV
	11	ASP-137969-01	ERF8-DV
	17	ASP-137973-01	ERF8-DV
ARM/HSSTP	20	ASP-130367-01	ERF8-DV
	23	ASP-130368-01	ERF8-DV
NEXUS5001™.org POWER.org™	25	ASP-148422-01	ERF8-DV
	35	ASP-135029-01	ERF8-DV
	40	ASP-148424-01	ERF8-DV

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

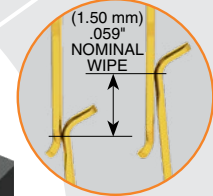
Board Mates:
ERM8

Cable Mates:
ERCD, ERDP



Robust Edge Rate® contact improves "Zippered" unmating

10 to 200 I/Os



POWER/SIGNAL APPLICATION



Compatible with UMP/TUMPS for flexible two-piece power/signal solutions

ERF8 LEAD STYLE	ERM8 LEAD STYLE			
	-02.0	-05.0	-08.0	-09.0
-05.0	(7.00) .276	(10.00) .394	(13.00) .512	(14.00) .551
-07.0	(9.00) .354	(12.00) .472	(15.00) .591	(16.00) .629
-09.0	(11.00) .453	(14.00) .551	(17.00) .669	(18.00) .709

*Processing conditions will affect mated height.

HIGH-SPEED CHANNEL PERFORMANCE

ERM8/ERF8 @ 7 mm Mated Stack Height

Rated based on Samtec reference channel.

For full SI performance data visit Samtec.com or contact SIG@samtec.com

PAM4

56 Gbps

ERF8 NO. OF POSITIONS PER ROW

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

-100

(-100 positions not available with options -L, -EGP or lead styles -07.0 & -09.0)

LEAD STYLE

Specify LEAD STYLE from chart

LEAD STYLE	A
-05.0	(5.10) .200
-07.0	(7.00) .276
-09.0	(9.00) .354

PLATING OPTION

-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail

-S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail

DV

-L = Latching (Lead Style -05.0 only) (Not available with -EGP or -EGPS options)

-EGP = Extended Guide Post (Lead Style -07.0 only) (Not available with -L & -EGPS option)

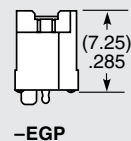
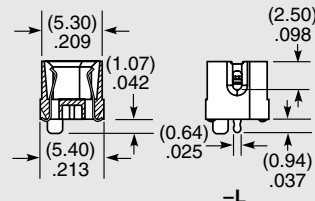
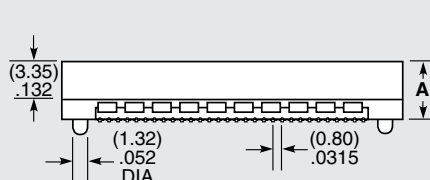
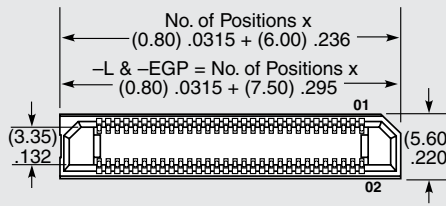
-K = (6.00 mm) .236" DIA Polyimide Film Pick & Place Pad

OTHER OPTION

"X" R

-TR = Tape & Reel (Not available with 100 positions)

-FR = Full Reel Tape & Reel (Not available with 100 positions) (must order max. quantity per reel; contact Samtec for quantity breaks)



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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Mouser Electronics

Authorized Distributor

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