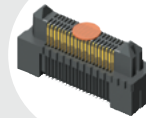
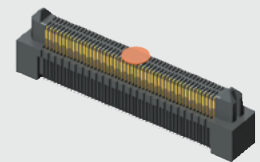


ERM5-040-02.0-L-DV-P-TR



ERM5-020-05.0-L-DV-K-TR



ERM5 SERIES

(0.50 mm) .0197"

RUGGED HIGH-SPEED HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?ERM5

Insulator Material:

Black LCP

Terminal Material:

Phosphor Bronze or BeCu

Plating:

Au or Sn over

50 μ " (1.27 μ m) Ni

Current Rating (-DV to -DV):

1.5 A per pin

(2 pins powered)

Current Rating (-DV to -RA):

1.6 A per pin

(2 pins powered)

Operating Temp Range:

-55 °C to +125 °C

Voltage Rating:

194 VAC mated with ERF5

RoHS Compliant:

Yes

Mates with:

ERF5

RUGGEDIZED

BY SAMTEC

- Edge Rate® contacts
- High contact wipe

20 to 150
I/Os

Rugged Edge Rate®
contacts for reduced
broadside coupling

(1.00 mm)
.039"
NOMINAL
WIPE

HIGH-SPEED CHANNEL PERFORMANCE

ERM5/ERF5 @ 7 mm Mated Stack Height

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com
or contact SIG@samtec.com

28
Gbps

7 mm, 9 mm, 10 mm, 11 mm
or 12 mm stack height

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max (010-040)

(0.13 mm) .005" max (050-075)*

*(.004" stencil solution
may be available; contact
IPG@samtec.com)

RECOGNITIONS

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



FILE NO. E111594

ERM5

NO. OF POSITIONS PER ROW

LEAD STYLE

PLATING OPTION

DV

PICK & PLACE PAD

TR

-010, -020,
-030, -040, -050,
-060, -070, -075

-02.0
= 2 mm
Body
Height

-04.0
= 4 mm
Body
Height

-05.0
= 5 mm
Body
Height

-L

= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tail

(Required in callout)

-K

= (3.50 mm) .138" DIA
Polyimide Film
Pick & Place Pad
(-04.0 & -05.0
lead style only)

-P

= Plastic Pick & Place Pad
(-02.0 lead style only)
(-010 positions not available)

MATED HEIGHT*

ERM5 LEAD STYLE	ERF5 LEAD STYLE	
	-05.0	-07.0
-02.0	(7.00) .276	(9.00) .354
-04.0	(9.00) .354	(11.00) .433
-05.0	(10.00) .394	(12.00) .472

*Processing conditions will affect mated height.

LEAD STYLE	A	B
-02.0	(1.94) .076	(4.84) .191
-04.0	(3.94) .155	(6.84) .269
-05.0	(4.94) .194	(7.84) .309

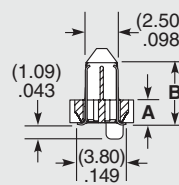
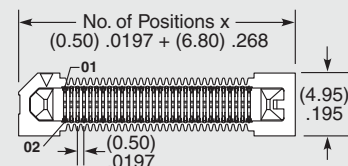
ALSO AVAILABLE (MOQ Required)

- Friction Lock
- Weld Tab
- Other platings

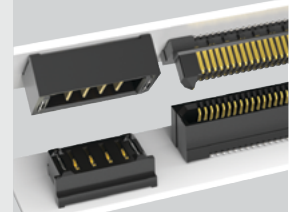
Notes:

Patented

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



POWER/SIGNAL APPLICATION



Compatible with
UMPT/UMPS for flexible
two-piece power/signal solutions

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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