

ERM5-040-02.0-L-DV-K-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 50µ" (1,27 µm) Ni
- Current Rating (-DV to -DV):** 1.5 A per pin (1 pin powered per row)
- Current Rating (-DV to -RA):** 1.6 A per pin (1 pin powered per row)
- Operating Temp Range:** -55°C to +125°C
- Voltage Rating:** 194 VAC mated with ERF5
- RoHS Compliant:** Yes

- Processing:** Lead-Free Solderable: Yes
- SMT Lead Coplanarity:** (0,10 mm) .004" max (010-040) (0,13 mm) .005" max (050-075)

Mates with: ERF5



20 to 150 I/Os

Rugged Edge Rate™ contacts for reduced broadside coupling



7 mm, 9 mm, 10 mm, 11 mm or 12 mm Stack Height

ERM5/ERF5 7 mm Stack Height	Rated @ 3dB Insertion Loss	
	with PCB effects*	w/o PCB effects**
Single-Ended Signaling	10.5 GHz / 21 Gbps	13.5 GHz / 27 Gbps
Differential Pair Signaling	9.5 GHz / 19 Gbps	20 GHz / 40 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?ERM5 or contact sig@samtec.com



RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

- Friction Lock
 - Weld Tab
 - Other platings
- Contact Samtec.



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

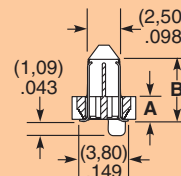
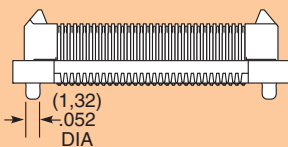
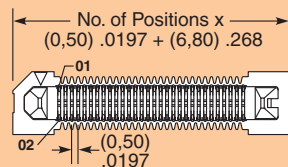
-02.0 = 2 mm Body Height
-04.0 = 4 mm Body Height
-05.0 = 5 mm Body Height

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

-K = (3,50 mm) .138" DIA Polyimide Film Pick & Place Pad
-TR = Tape & Reel Packaging

ERM5 LEAD STYLE	MATED HEIGHT*	
	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

Note: Patented

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.

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