

(1.27 mm) .050"

HIGH-SPEED LOW-PROFILE OPEN-PIN-FIELD

SPECIFICATIONS

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

Insulator Material:

Black LCP

Terminal Material:

Copper Alloy

Plating:

Au or Sn over

50 μ " (1.27 μ m) Ni

Current Rating:

2.3 A per pin

(8 adjacent pins powered)

Working Voltage:

250 VAC

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

RECOGNITIONS

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



FILE NO. E111594

Mates with:

LPAF

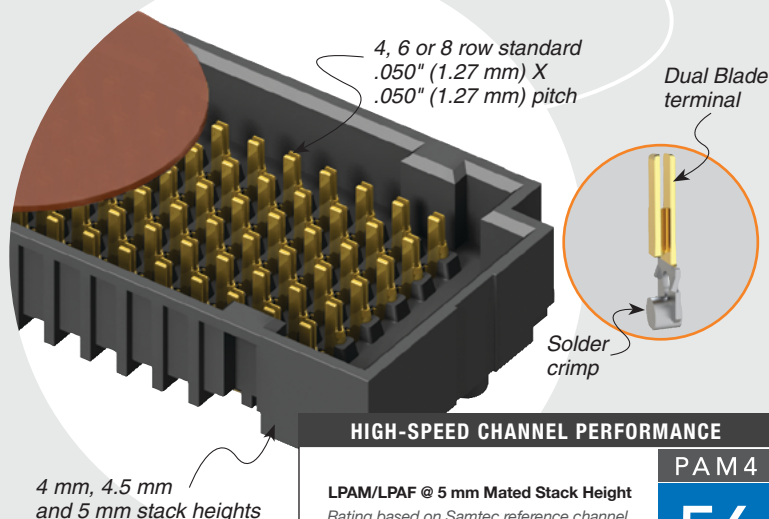
Standoffs:

JSO, SO

POWER/SIGNAL APPLICATION



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



HIGH-SPEED CHANNEL PERFORMANCE

LPAM/LPAF @ 5 mm Mated Stack Height

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

PAM 4

56

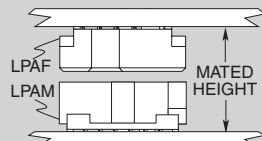
Gbps

ALSO AVAILABLE (MOQ Required)

- Tin-Lead Solder Charge
- Other pins/row and row counts
- Other Gold plating options

LPAM	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	K	TR
	-10, -20, -30, -40, -50 (-08 rows only)	-01.0 = (1.0 mm) .039" -01.5 = (1.5 mm) .060"	-L = 10 μ " (0.25 μ m) Gold on contact area, Matte Tin on solder tail	-04 = Four Rows -06 = Six Rows -08 = Eight Rows	-2 = Lead-Free Solder Crimp	-K = Polyimide film Pick & Place Pad	-TR = Tape & Reel

MATED HEIGHT

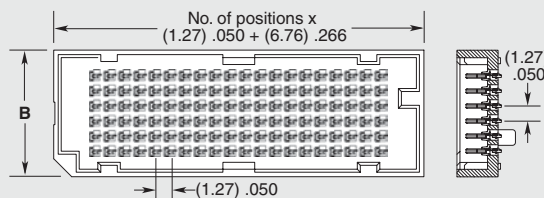


MATED HEIGHT*

LPAM LEAD STYLE	LPAF LEAD STYLE	
	-03.0	-03.5
-01.0	(4.00) .157	(4.50) .177
-01.5	(4.50) .177	(5.00) .197

*Processing conditions will affect mated height.

NO. OF ROWS	B
-04	(8.18) .322
-06	(10.72) .422
-08	(13.26) .522



LEAD STYLE	A
-01.0	(3.68) .145
-01.5	(4.19) .165

Notes:

Patent Pending

Some sizes, 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

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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

<u>LPAM-40-01.5-S-08-2-K-TR</u>	<u>LPAM-20-01.0-L-04-2-K-TR</u>	<u>LPAM-30-01.5-L-06-2-K-TR</u>	<u>LPAM-10-01.0-L-04-2-K-TR</u>
<u>LPAM-30-01.0-L-06-2-K-TR</u>	<u>LPAM-40-01.0-L-06-2-K-TR</u>	<u>LPAM-20-01.5-S-08-2-K-TR</u>	<u>LPAM-40-01.0-S-08-2-K-TR</u>
<u>LPAM-20-01.0-L-08-2-K-TR</u>	<u>LPAM-30-01.0-L-06-1-K-TR</u>	<u>LPAM-40-01.5-L-08-2-K-TR</u>	<u>LPAM-40-01.0-L-08-1-K-TR</u>
<u>LPAM-30-01.0-L-08-1-K-TR</u>	<u>LPAM-10-01.0-L-06-1-K-TR</u>	<u>LPAM-40-01.0-L-04-2-K-TR</u>	<u>LPAM-10-01.0-L-08-2-K-TR</u>
<u>LPAM-10-01.5-L-04-1-K-TR</u>	<u>LPAM-40-01.5-S-04-2-K-TR</u>	<u>LPAM-40-01.5-L-04-2-K-TR</u>	<u>LPAM-40-01.5-L-08-1-K-TR</u>
<u>LPAM-30-01.5-S-08-2-K-TR</u>	<u>LPAM-40-01.0-S-06-2-K-TR</u>	<u>LPAM-30-01.0-L-08-2-K-TR</u>	<u>LPAM-30-01.0-L-04-2-K-TR</u>
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