

(1.27 mm) .050"

LPAF SERIES

HIGH-SPEED LOW-PROFILE OPEN-PIN-FIELD

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/LPAF

Insulator Material:

Black LCP

Contact 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. E11594

Mates with:

LPAM

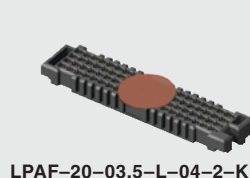
Standoffs:

JSO, SO

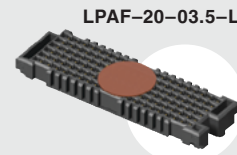
POWER/SIGNAL APPLICATION



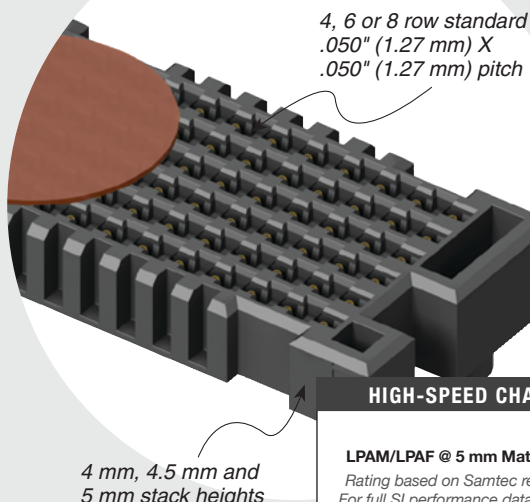
Compatible with UMPT/UMPS for flexible two-piece power/signal solutions



LPAF-20-03.5-L-04-2-K



LPAF-20-03.5-L-06-2-K



4, 6 or 8 row standard
.050" (1.27 mm) X
.050" (1.27 mm) pitch

Dual Beam
contact

Solder
crimp

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

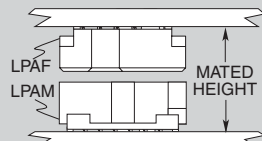
56
Gbps

ALSO AVAILABLE (MOQ Required)

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

LPAF	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	K	TR
	-10, -20, -30, -40, -50 (-08 rows only)	-03.0 = (3.0 mm) .118" -03.5 = (3.5 mm) .138"	-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

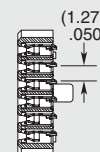
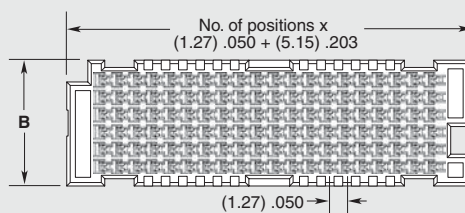


MATED HEIGHT*

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

*Processing conditions will affect mated height.

NO. OF ROWS	B
-04	(6.71) .264
-06	(9.25) .364
-08	(11.79) .464



LEAD STYLE	A
-03.0	(2.79) .110
-03.5	(3.30) .130

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

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Samtec:

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[LPAF-30-03.0-L-04-2-K-TR](#) [LPAF-30-03.0-L-06-2-K-TR](#) [LPAF-30-03.5-L-06-2-K-TR](#) [LPAF-10-03.0-L-06-1-K-TR](#) [LPAF-](#)
[30-03.0-L-08-1-K-TR](#) [LPAF-10-03.5-S-04-2-K-TR](#) [LPAF-20-03.5-L-06-2-K-TR](#) [LPAF-10-03.5-L-06-2-K-TR](#) [LPAF-20-](#)
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[L-04-2-K-TR](#) [LPAF-10-03.5-L-04-2-K-TR](#) [LPAF-10-03.0-S-06-2-K-TR](#) [LPAF-10-03.5-S-06-2-K-TR](#) [LPAF-40-03.5-L-06-](#)
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