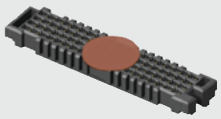
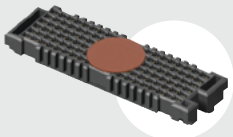
samtec

LP ARRAY™



LPAF–20–03.5–L–04–2–K



LPAF–20–03.5–L–06–2–K

(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 µm) Ni
Current Rating:
2.3 A per pin
(8 adjacent pins powered)
Working Voltage:
250 VAC
RoHS Compliant:
Yes
Lead-Free Solderable:
Yes

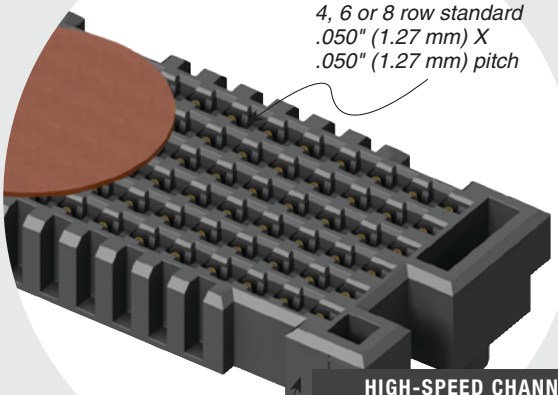
RECOGNITIONS

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

FILE NO. E111594

Mates with:
LPAM

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

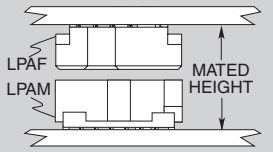
PAM4 56 Gbps

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 µm) 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

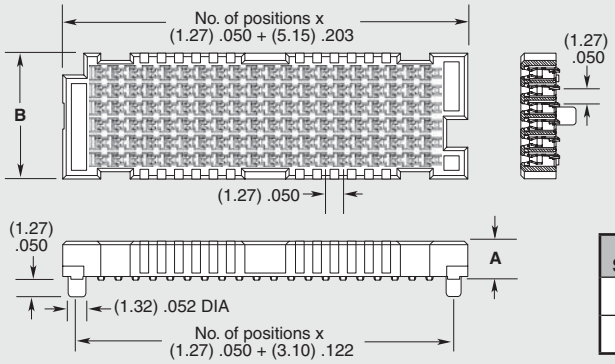
MATED HEIGHT



MATED HEIGHT*		
LPAF LEAD STYLE	LPAM LEAD STYLE –01.0	LPAM LEAD STYLE –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.

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

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