

(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 μm (1.27 μm) Ni

Current Rating:

2.2 A per pin

(6 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

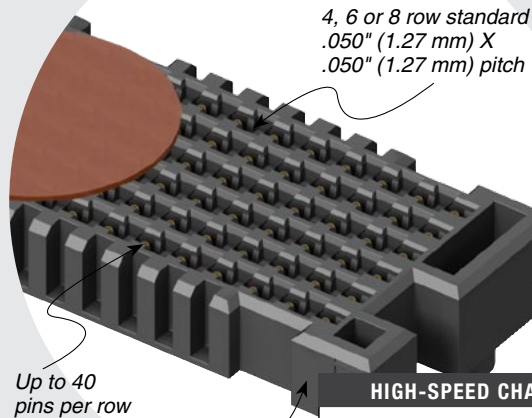
Standoffs:

JSO, SO

POWER/SIGNAL APPLICATION



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



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

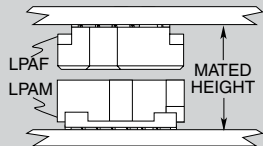
56
Gbps

ALSO AVAILABLE (MOQ Required)

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

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

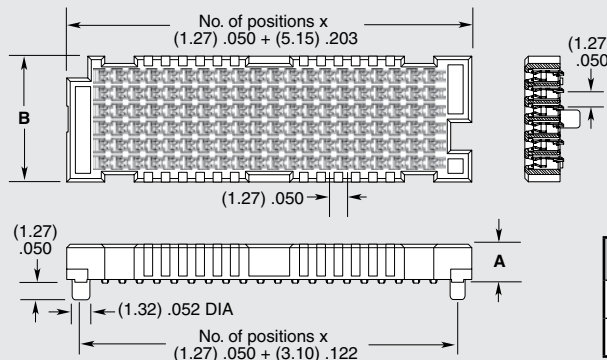
MATED HEIGHT



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