

(1,27 mm) .050"

LPAM-20-01.5-L-06-2-K

LPAM-20-01.5-L-04-2-K

LPAM SERIES

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:

2.2 A per pin

(6 adjacent pins powered)

Working Voltage:

250 VAC

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

Mates with:

LPAF

Up to 40 pins
per row

4, 6 or 8 row standard
.050" (1,27 mm) X
.050" (1,27 mm) pitch

Dual Blade
terminal

4 mm, 4,5 mm
and 5 mm stack heights

Solder
crimp

RECOGNITIONS

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



FILE NO. E111594

LPAM/LPAF 4 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	17 GHz / 34 Gbps
Differential Pair Signaling	18.5 GHz / 37 Gbps

*Test board losses de-embedded from performance data.

Performance data for other stack heights and complete test data
available at www.samtec.com?LPAM or contact sig@samtec.com

FinalInch
CERTIFIED
Patent Pending

28+
Gbps

ALSO AVAILABLE (MOQ Required)

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

LPAM	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	K	TR
	-10, -20, -30, -40 (Per Row)	-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

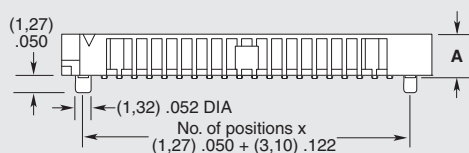
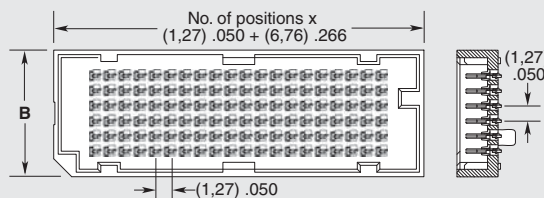


MATED HEIGHT*

LPAM LEAD STYLE	LPAM LEAD STYLE	LPAM 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

Note: Patent Pending

Note: Some sizes, styles and
options are non-standard,
non-returnable.