



(1,27 mm) .050"

LPAM SERIES

OPEN PIN FIELD INTERCONNECTS

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



# HIGH SPEED LOW PROFILE OPEN PIN FIELD

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?LPAM](http://www.samtec.com?LPAM)

**Insulator Material:** Black LCP



**Terminal Material:** Copper Alloy

**Plating:** Au or Sn over 50µ" (1,27 µm) Ni

**Current Rating:** 2.2 A per contact (6 contacts powered)

**Working Voltage:** 250 VAC

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Yes

**Lead-Free Solderable:** Yes

Mates with: LPAF



Up to 30 pins per row

4 mm, 4.5 mm and 5 mm stack heights

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

Dual Blade terminal

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](http://www.samtec.com?LPAM) or contact [sig@samtec.com](mailto:sig@samtec.com)

25+ Gbps

Solder crimp

## ALSO AVAILABLE

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

LPAM	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	K	TR
	-10, -20, -30 (Per Row)	-01.0 = (1,0 mm) .039"  -01.5 = (1,5 mm) .060"	-L = 10µ" (0,25 µm) Gold on contact area, Matte Tin on solder tail	-04 = Four Rows  -06 = Six Rows	-2 = Lead-Free Tin Alloy 95.5% Sn/ 3.8%Ag/ 0.7% Cu Solder Crimp	-K = Polyimide film Pick & Place Pad	-TR = Tape & Reel

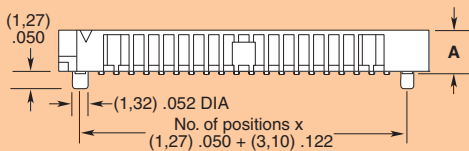
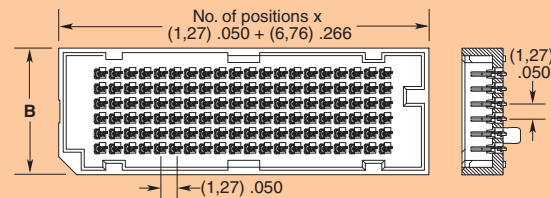
## MATED HEIGHT



MATED HEIGHT*			
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



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.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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