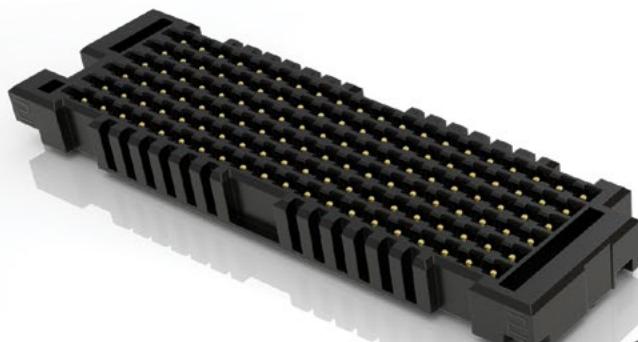


# LPARRAY™ LOW PROFILE OPEN-PIN-FIELD ARRAYS

(1.27 mm) .050" PITCH

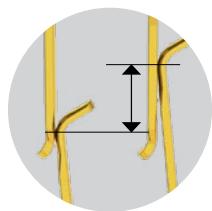


NRZ	PAM4
28 Gbps	56 Gbps

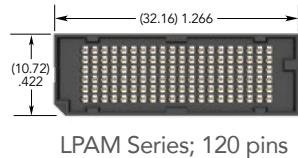


## FEATURES & BENEFITS

- 4 mm, 4.5 mm, 5 mm stack heights
- Up to 400 I/Os
- 4, 6 and 8 row designs
- .050" (1.27 mm) pitch
- Dual beam contact system
- Solder crimp termination for ease of processing
- Board stacking standoffs available to assist with unmating and reduce risk for component damage on board

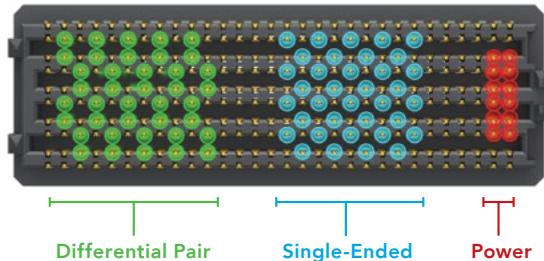


(0.51 mm) .020"  
Nominal Wipe



LPAM Series; 120 pins

## MAXIMUM GROUNDING & ROUTING FLEXIBILITY



## KEY SPECIFICATIONS (LPAM/LPAF)

PITCH	TOTAL PINS	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	CURRENT RATING	WORKING VOLTAGE	LEAD-FREE SOLDERABLE
1.27 mm x 1.27 mm	Up to 400 I/Os	Black LCP	Copper Alloy	Au or Sn over 50 $\mu$ " (1.27 $\mu$ m) Ni	2.2 A per pin (8 adjacent pins powered)	250 VAC	YES

(1.27 mm) .050" PITCH • LOW PROFILE OPEN-PIN-FIELD ARRAYS

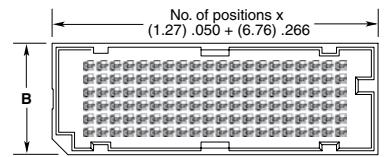
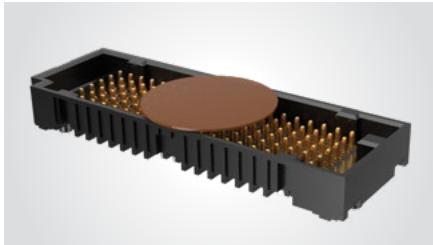
SERIES	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	K	"X"R
LPAM Terminal	-10, -20, -30, -40,	-01.0 =(1.0 mm) .039" (LPAM only)	-L = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact area, Matte Tin on solder tail	-04	-1 = Tin/Lead Alloy Solder Crimp	-K	
LPAF Socket	-50 (-08 rows only)	-01.5 =(1.5 mm) .060" (LPAM only)	-S = 30 $\mu$ " (0.76 $\mu$ m) Gold on contact area, Matt Tin on solder tail	-06	-2 = Lead-Free Solder Crimp	-K = Polyimide film Pick & Place Pad	-TR =Tape & Reel
		-03.0 =(3.0 mm) .118" (LPAF only)		-08		-FR =Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)	
		-03.5 =(3.5 mm) .138" (LPAF only)					

**LPAM**

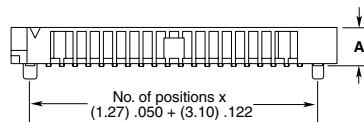
Board Mates:

LPAF

Standoffs:  
JSO, SO



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

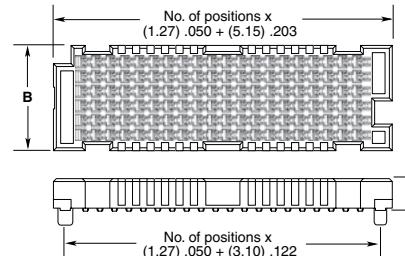
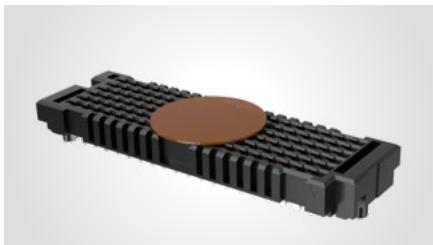
View complete specifications at: [samtec.com?LPAM](http://samtec.com?LPAM)

**LPAF**

Board Mates:

LPAM

Standoffs:  
JSO, SO



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

**MATED HEIGHTS\***

LPAM LEAD STYLE	LPAF 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.

**Notes:**

Some sizes, styles and  
options are non-standard,  
non-returnable

View complete specifications at: [samtec.com?LPAF](http://samtec.com?LPAF)