LPARRAY™

LOW-PROFILE OPEN-PIN-FIELD ARRAYS

(1.27 mm) .050" PITCH

NRZ 28 Gbps

PAM4 56 Gbps

LPAF
Dual Beam Contact

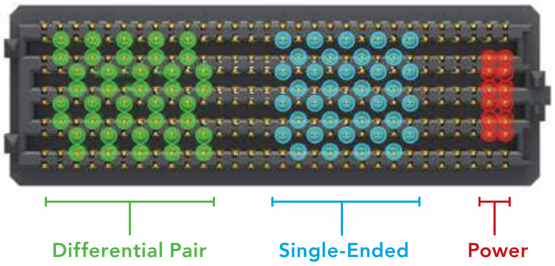
LPAM
Dual Blade Terminal

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 unmating and reduce risk for component damage on board

LPAM Series; 120 pins
(actual size shown)

MAXIMUM GROUNDING & ROUTING FLEXIBILITY



KEY SPECIFICATIONS

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 µ" (1.27 µm) Ni	2.2 A per pin (8 adjacent pins powered)	250 VAC	YES

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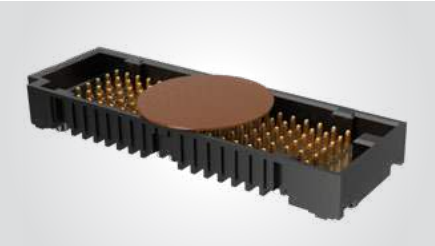
SERIES	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	K	"X"R
LPAM Terminal **LPAF** Socket	**–10, –20, –30, –40,** **–50** (-08 rows only)	**–01.0** = (1.0 mm) .039" (LPAM only) **–01.5** = (1.5 mm) .060" (LPAM only) **–03.0** = (3.0 mm) .118" (LPAF only) **–03.5** = (3.5 mm) .138"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

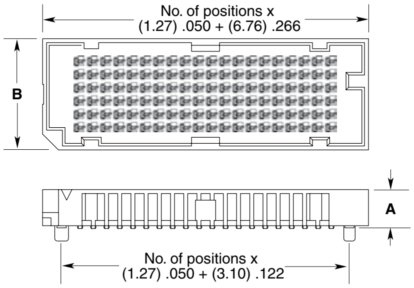
LPAM

Board Mates:
LPAM

Board Mates:
LPAF

Standoffs:
JSO, SO





NO. OF ROWS	B
–04	(8.18) .322
–06	(10.72) .422
–08	(13.26) .522

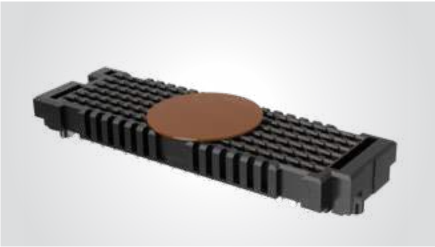
LEAD STYLE	A
-01.0	(3.68) .145
-01.5	(4.19) .165

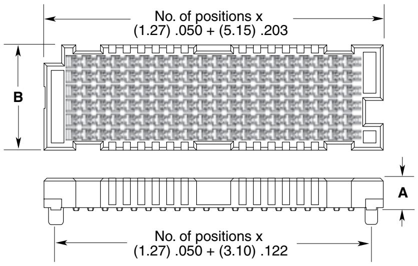
View complete specifications at: samtec.com?LPAM

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