

LPHS-04-24-L-VP1-GP



LPHS-04-24-L-RT1-GP

(12.00 mm) .472" (PWR) (1.27 mm) .050" (SIG)

LPHS SERIES

EXTreme LPHPower™ SOCKET ASSEMBLY

Mates with:

LPHT

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?LPHS

Insulator Material: Black LCP

Terminal Material: Signal: Brass

Power: Copper Alloy

Plating:

Au or Sn over

50 μm (1.27 μm) Ni

Current Rating:

Power: 30 A per power blade

(4 blades powered)

Signal: 1 A per signal contact

Operating Temp Range:

-40 °C to +105 °C

Voltage Rating: 250 VAC

Standard Creepage:

(2.86 mm) .113"

(with -VP1 power)

(5.63 mm) .222"

(with -RTX power)

Standard Clearance:

(2.69 mm) .105"

(with -VP1 power)

(1.36 mm) .054"

(with -RTX power)

RoHS Compliant: Yes

PROCESSING

Lead-Free Solderable: Yes

(-RT1 & -RT2 option)

RECOGNITIONS

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



FILE NO. E111594

ALSO AVAILABLE (MOQ Required)

- Other platings
 - 28 Signal positions
 - No Guide post
 - Increased creepage and clearance with the removal of contacts
- Contact Samtec.

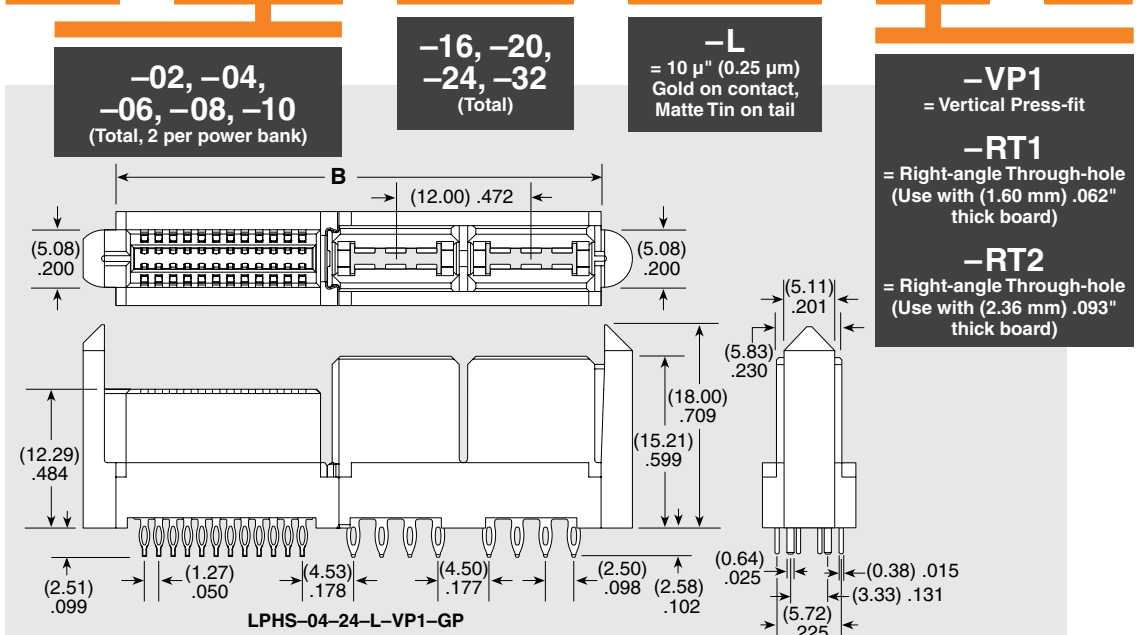
Notes:

Series is rated up to 60 A per power bank.

Some lengths, styles and options are non-standard, non-returnable.

The Molex EXTreme LPHPower™ line is a second source to the Samtec LPHS Series

* EXTreme LPHPower™ is a trademark of Molex Incorporated.



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SIGNAL POSITIONS	POWER POSITIONS									
	A (-02)	B (-02)	A (-04)	B (-04)	A (-06)	B (-06)	A (-08)	B (-08)	A (-10)	B (-10)
-16	(31.64) 1.918	(25.88) 1.019	(43.64) 1.718	(37.88) 1.491	(55.64) 2.191	(49.88) 1.964	(67.64) 2.633	(61.88) 2.436	(79.64) 3.135	(73.88) 2.909
-20	(34.18) 1.346	(28.42) 1.119	(46.18) 1.818	(40.42) 1.591	(58.18) 2.291	(52.42) 2.064	(70.18) 2.763	(64.42) 2.536	(82.18) 3.235	(76.42) 3.009
-24	(36.72) 1.446	(30.96) 1.219	(48.72) 1.918	(42.96) 1.691	(60.72) 2.391	(54.96) 2.164	(72.72) 2.863	(66.96) 2.636	(84.72) 3.335	(78.96) 3.109
-32	(41.80) 1.646	(36.04) 1.419	(53.80) 2.118	(48.04) 1.891	(65.80) 2.591	(60.04) 2.364	(78.00) 3.063	(72.04) 2.836	(89.80) 3.535	(84.04) 3.309

