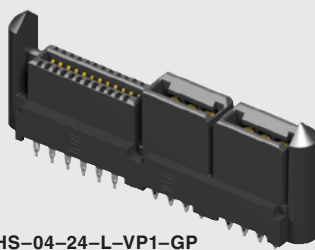
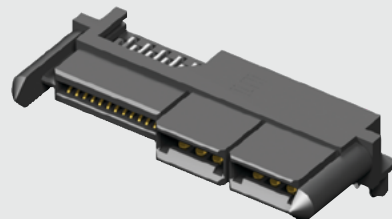




**POWER™ EXTreme
STRIP LPH**



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 μ" (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

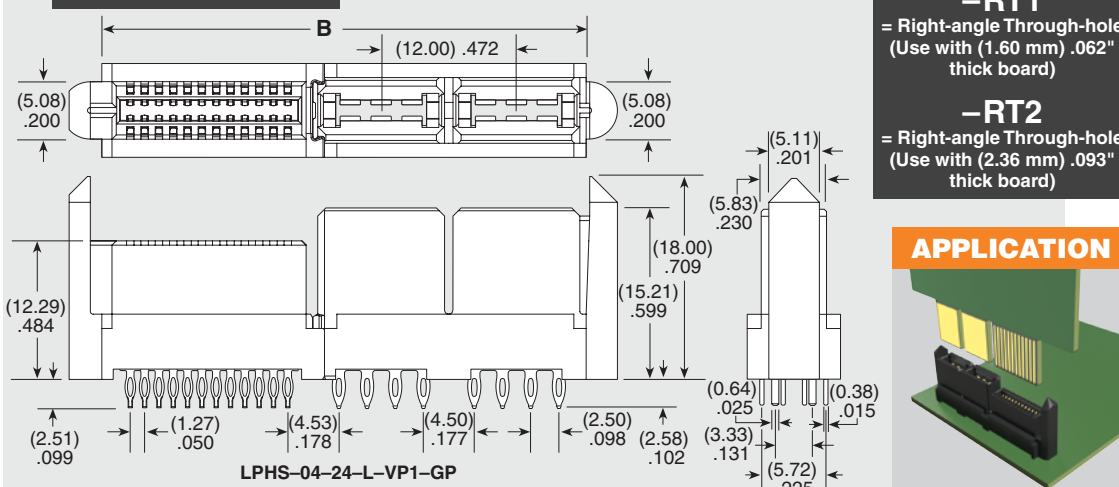
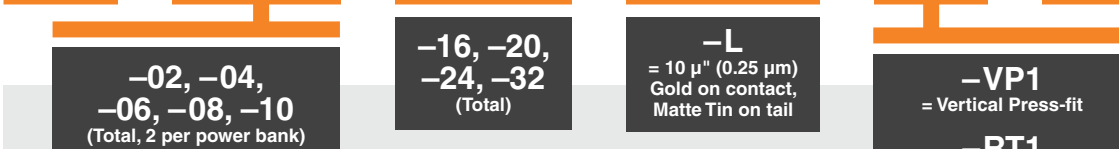
Notes:

Series is rated up to 60 A per power bank.

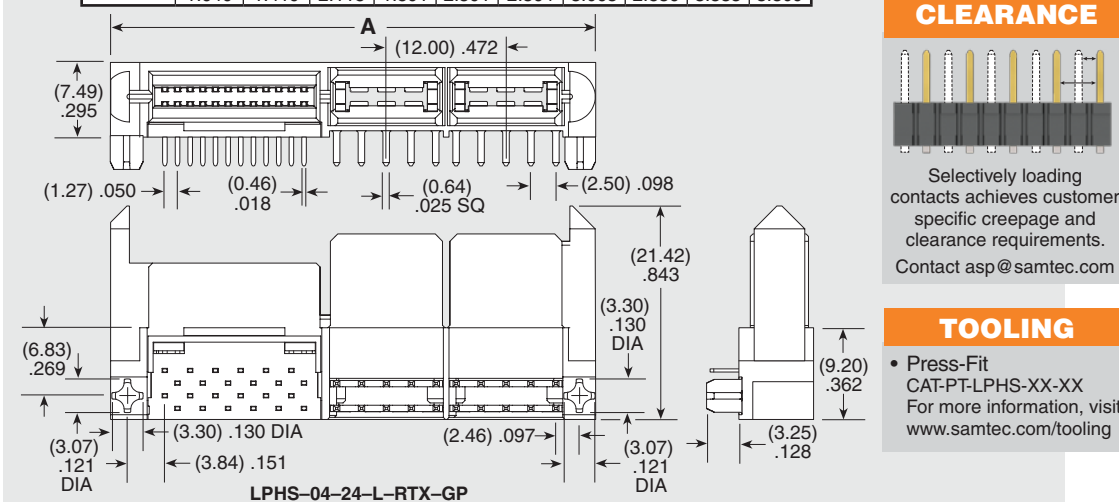
Some lengths, styles and options are non-standard, non-returnable.

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

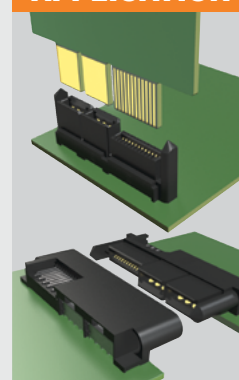
* EXTreme LPHPower™ is a trademark of Molex Incorporated.



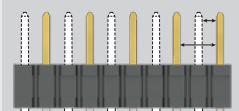
SIGNAL POSITIONS	POWER POSITIONS									
	A (-02)	B (-02)	A (-04)	B (-04)	A (-06)	B (-06)	A (-08)	B (-08)	A (-10)	B (-10)
-16	(31.64) 1.918	(25.88) 1.019	(43.64) 1.718	(37.88) 1.491	(55.64) 2.191	(49.88) 1.964	(67.64) 2.633	(61.88) 2.436	(79.64) 3.135	(73.88) 2.909
-20	(34.18) 1.346	(28.42) 1.119	(46.18) 1.818	(40.42) 1.591	(58.18) 2.291	(52.42) 2.064	(77.18) 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	(77.80) 3.063	(72.04) 2.836	(89.80) 3.535	(84.04) 3.309



APPLICATION



CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.
Contact asp@samtec.com

TOOLING

- Press-Fit
CAT-PT-LPHS-XX-XX
For more information, visit www.samtec.com/tooling

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Mouser Electronics

Authorized Distributor

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[VP1-GP](#) [LPHS-08-20-L-VP1-GP](#) [LPHS-04-20-S-VP1-GP](#) [LPHS-04-32-S-RT1-GP](#) [LPHS-04-32-L-VP1-GP](#) [LPHS-04-](#)
[24-L-RT1-GP](#) [LPHS-04-32-L-RT1-GP](#) [LPHS-06-24-L-RT1-GP](#) [LPHS-08-32-S-VP1-GP](#) [LPHS-04-16-L-RT1-GP](#) [LPHS-](#)
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[16-S-VP1-GP](#) [LPHS-10-16-S-RT2](#) [LPHS-02-32-L-VP1](#) [LPHS-10-16-S-VP1-GP](#) [LPHS-02-16-L-RT2-GP](#) [LPHS-02-24-](#)
[L-RT1](#) [LPHS-02-32-S-RT2-GP](#) [LPHS-04-16-L-VP1-GP](#) [LPHS-04-32-S-RT2-GP](#) [LPHS-02-16-L-RT1](#) [LPHS-02-16-L-](#)
[RT1-GP](#) [LPHS-04-00-S-VP1](#) [LPHS-08-24-L-VP1](#) [LPHS-08-32-L-VP1](#) [LPHS-10-16-L-VP1-GP](#) [LPHS-02-16-S-VP1](#)
[LPHS-06-16-L-VP1-GP](#) [LPHS-08-16-L-VP1](#) [LPHS-02-00-L-VP1](#) [LPHS-04-00-L-VP1-GP](#) [LPHS-02-28-L-VP1](#) [LPHS-](#)
[04-24-L-RT1](#) [LPHS-10-16-S-RT2-GP](#) [LPHS-02-16-L-VP1](#) [LPHS-04-16-L-VP1](#) [LPHS-04-16-S-RT2-GP](#) [LPHS-06-16-L-](#)
[VP1](#) [LPHS-06-24-L-VP1](#) [LPHS-04-00-L-VP1](#) [LPHS-02-24-S-RT1-GP](#) [LPHS-10-32-L-VP1-GP](#) [LPHS-02-24-S-VP1-GP](#)
[LPHS-04-24-L-RT2](#) [LPHS-04-24-L-VP1](#) [LPHS-10-24-L-VP1](#) [LPHS-10-32-S-VP1-GP](#) [LPHS-00-16-L-VP1](#) [LPHS-00-](#)
[24-L-VP1](#) [LPHS-02-16-L-VP1-GP](#) [LPHS-02-20-L-RT1-GP](#) [LPHS-02-20-L-VP1-GP](#) [LPHS-02-32-L-RT1-GP](#) [LPHS-10-](#)
[32-L-RT2-GP](#) [LPHS-10-32-L-RT1](#) [LPHS-06-32-L-VP1-GP](#) [LPHS-04-28-L-RT1-GP](#) [LPHS-06-32-L-RT1-GP](#) [LPHS-08-](#)
[16-L-RT1-GP](#) [LPHS-02-32-L-RT2-GP](#) [LPHS-04-32-L-RT1](#) [LPHS-06-16-L-RT2-GP](#) [LPHS-06-32-L-RT2-GP](#) [LPHS-08-](#)
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