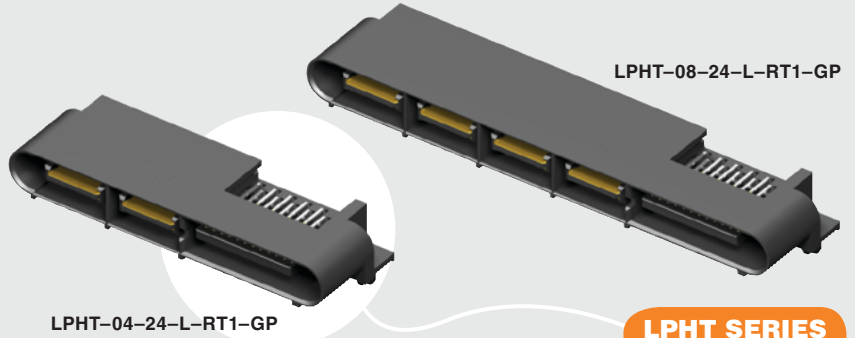




**POWER™ EXTreme  
STRIP LPH**



LPHT-08-24-L-RT1-GP

LPHT-04-24-L-RT1-GP

**LPHT SERIES**

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

# EXTreme LPHPower™ TERMINAL

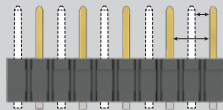
## SPECIFICATIONS

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

- 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:** (1.21 mm) .048" (power)
- Standard Clearance:** (1.36 mm) .054" (power)
- RoHS Compliant:** Yes

Mates with:  
**LPHS**

### CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.  
Contact [asp@samtec.com](mailto:asp@samtec.com)

Choice of power positions

Double-stacked power blades to increase density

Up to a total of 32 signal positions available

Guide post holes

Alignment pin

## PROCESSING

Lead-Free Solderable:  
Yes

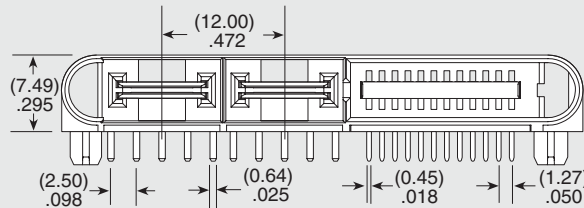
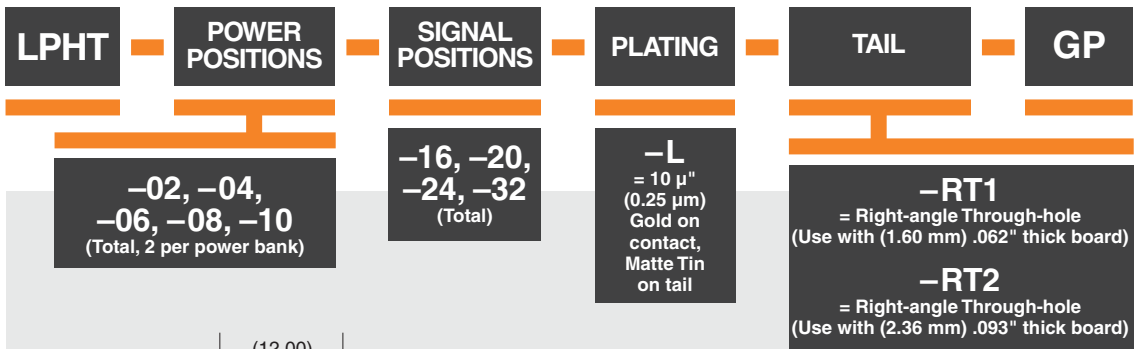
## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

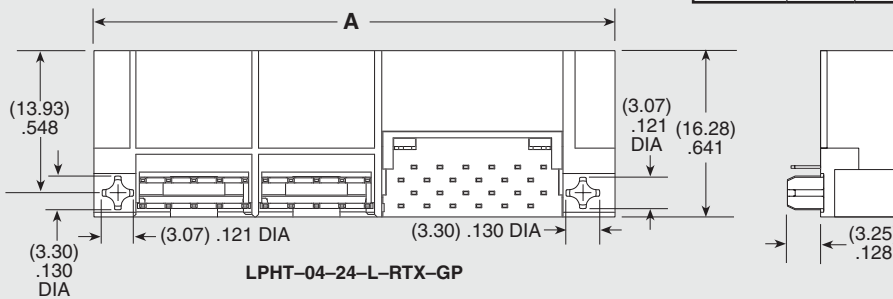


## ALSO AVAILABLE (MOQ Required)

- Other platings
- 28 Signal positions
- No Guide post



SIGNAL POSITIONS	POWER POSITIONS				
	A (-02)	A (-04)	A (-06)	A (-08)	A (-10)
-16	(33.97) 1.337	(45.97) 1.810	(57.97) 2.282	(69.97) 2.755	(81.97) 3.227
-20	(36.51) 1.437	(48.51) 1.910	(60.51) 2.382	(72.51) 2.855	(84.51) 3.327
-24	(39.05) 1.537	(51.05) 2.010	(63.05) 2.482	(75.05) 2.955	(87.05) 3.427
-32	(44.13) 1.737	(65.13) 2.210	(68.13) 2.682	(80.13) 3.155	(92.13) 3.627



**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 LPHT Series  
\* EXTreme LPHPower™ is a trademark of Molex Incorporated.

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

[WWW.SAMTEC.COM](http://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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Samtec:

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