

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

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)

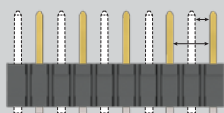
RoHS Compliant:

Yes

Mates with:

LPHS

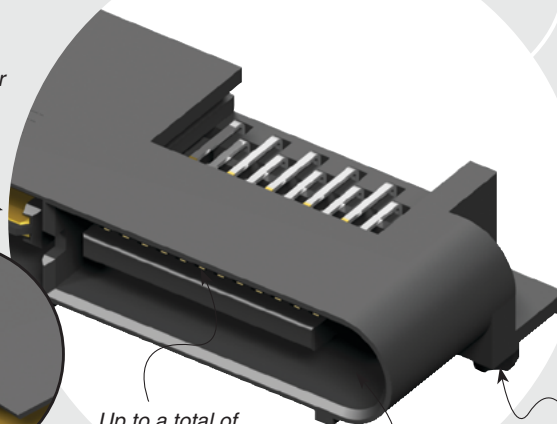
CREEPAGE AND CLEARANCE



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

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

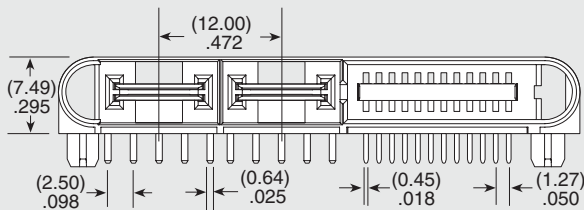
For complete scope of recognitions see www.samtec.com/quality



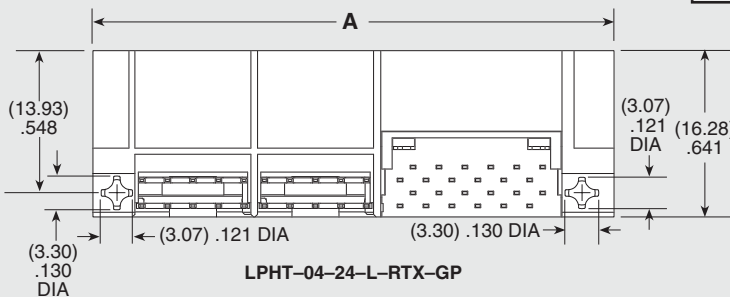
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ALSO AVAILABLE (MOQ Required)

- 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

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.

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