

L1NK 396 Connector System Product Family



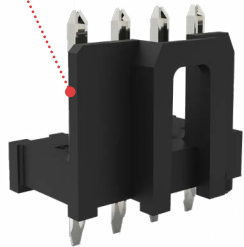
The L1NK 396 Connector is a single-row, wire-to-board system that offers a 3.96mm pitch, a current rating of 11.0A, and superior design options for flexibility and efficient assembly

Features and Advantages



Reflow-capable header

Is able to withstand a 260°C reflow process



Reflow options available

Reducing labor costs, saving time and resources



L1NK 396 Connector

Unique keying design

Prevents mis-mating

TPA

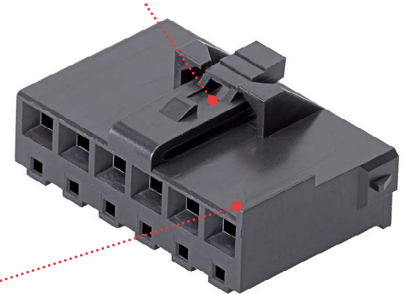
Prevents terminal back-out

V-0/Glow Wire combination resin

Reduces the cost of materials and labor and allows customers to meet the European standard for electrical requirements

Positive-locking latch

Offers a clear audible click for connection assurance



Markets and Applications

Consumer – General Market

- Washers and dryers
- Freezers
- Gaming machines
- Printers
- Refrigerators
- Scanners
- Security systems
- Vending machines
- White goods

Telecommunications/Networking

- Routers and switches
- Servers
- Storage

Medical

- Diagnostic equipment
- Patient monitors

Automotive

- Harness manufacturers
- Non-sealed applications
- Inside devices
- Charging stations

Industrial

- Food and beverage
- Assembly line equipment



Appliances



Routers

L1NK 396 Connector System Product Family



Specifications

REFERENCE INFORMATION

Packaging: Bag, Tray, Reel
UL File No.: TBD
CSA File No.: TBD

Mates With: L1NK 396 components only

Header Series: 207478, 207479

Receptacle Series: 207458

TPA Series: 207459

Use With: L1NK 396 components only

Female Terminal Series: 35570

Terminal Used:

Series: 45570

Designed In: Millimeters

RoHS: Yes

Series: 207458, 207459, 207478 and 207479

Halogen Free: Yes

Compliant Series: 207478 and 207479

Not compliant: 207458 and 207459

Glow Wire Capable: Yes

ELECTRICAL

Voltage (max.): 300V AC (RMS) or DC

Current (max.): 11.0A

Contact Resistance (max.): 10 milliohms

Dielectric Withstanding Voltage: 1700VAC

Insulation Resistance (min.): 1000 Megohms

MECHANICAL

Pitch: 3.96mm

Contact Insertion Force (max.): 14.7N (3.3 lbf)

Contact Retention to Housing (min.): 35.6N

Insertion Force to PCB: 13.7N (3.1 lbf)

Minimum Retention Force: 35.6N

Mating Force: 10.7N per circuit

Un-mating Force: 3.7N per circuit

Durability (max.): 25

PHYSICAL

Housing: V0/Glow Wire Combo

Contact: Tin

Plating: Tin

PCB Thickness: 1.60mm

Operating Temperature: -40 to +105°C

Ordering Information

Terminals

Series	Description	AWG
45570	3.96mm (0.156") Pitch MarkK Crimp Terminal	18 to 20

Receptacles

Series	Description	Circuits
207458	Receptacle Housing	2 to 6

Headers

Series	Description	Circuits
207478-0XXX	Header – Unshrouded without Peg	2 to 6
207478-1XXX	Header – Unshrouded with Peg	2 to 6
207479	Shrouded Header	2 to 6

TPA

Series	Description	Circuits
207459	TPA	2 to 6

www.molex.com/link/L1NK396.html

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