

# L1NK 396 Connector System Product Family



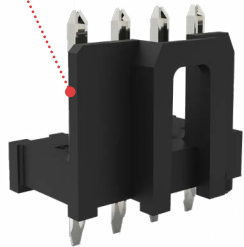
The L1NK 396 Connector is a single-row, wire-to-board system that offers a 3.96mm pitch, a current rating of 11.0A, and superior design options for flexibility and efficient assembly

## 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

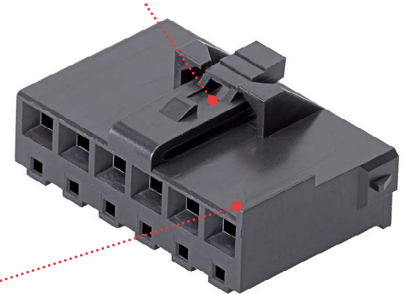
Prevents terminal back-out

### 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
<a href="#">45570</a>	3.96mm (0.156") Pitch MarkK Crimp Terminal	18 to 20

### Receptacles

Series	Description	Circuits
<a href="#">207458</a>	Receptacle Housing	2 to 6

### Headers

Series	Description	Circuits
<a href="#">207478-0XXX</a>	Header – Unshrouded without Peg	2 to 6
<a href="#">207478-1XXX</a>	Header – Unshrouded with Peg	2 to 6
<a href="#">207479</a>	Shrouded Header	2 to 6

### TPA

Series	Description	Circuits
<a href="#">207459</a>	TPA	2 to 6

[www.molex.com/link/L1NK396.html](http://www.molex.com/link/L1NK396.html)

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