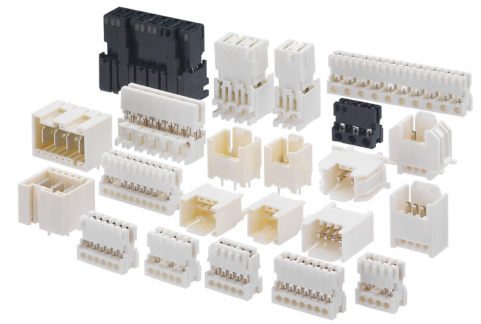


# RAST 2.5 Connector System



Part of the UL-94V0-rated and Glow-Wire-compatible RAST connector family, RAST 2.5 Connectors carry up to 4.0A

## Features and Advantages



RAST Connector System Family

### 2.0 and 4.0A current rating

Ideal for automotive lighting applications

### Active latch design

Secures mated connectors to eliminate accidental unmating

### Direct and indirect mating

Mates directly with PCB or via headers

### PCB headers have staggered footprint

Provides polarization on the PCB

### Glow-wire, UL, CSA and VDE approved

Ensures performance, safety and compliance with material specifications

### Standard and opposite PCB layout options

Compatible with industry standard terminal layouts

## Markets and Applications

### Automotive

Lighting

### Home Appliance

Washing machines

Dishwashers

Clothes dryers

Refrigerators

HVAC



Appliances



Headlights



Automotive Cabin Lighting

## Specifications: RAST 2.5 Connectors

### **REFERENCE INFORMATION**

Packaging: Trays  
CSA: LR 19980  
UL File No.: E29179  
Designed In: Millimeters  
RoHS: Yes  
Halogen Free: Series 91716 and 91717 are  
Halogen Free  
Glow Wire Compliant: Yes

### **ELECTRICAL**

Voltage (max.): 32V AC and 250V AC  
Current (max.): 2.0 and 4.0A  
Contact Resistance:  
Double-Sided PCB (max.) — 5 milliohms  
Single-Sided PCB or Header (max.) — 10  
milliohms  
Dielectric Withstanding Voltage: 1000V  
Insulation Resistance: >10 Megohms

### **MECHANICAL**

IDT Retention Force:  $\geq$  30N  
Durability (min.): 10 Cycles

### **PHYSICAL**

Housing: Nylon  
Contact: Copper Alloy  
Plating:  
Contact Area — Tin  
Operating Temperature:  
2.0A — -20 to +120°C  
4.0A — -20 to +120°C