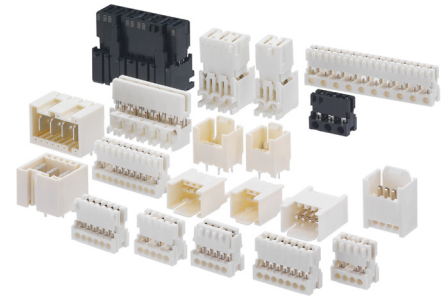


# RAST Power and R-Power Connector Systems >

RAST Power and R-Power Connector Systems deliver up to 10.0A, and provide options for design flexibility and secure mating with overall cost savings for manufacturers.



RAST Connector System Family

## FEATURES AND ADVANTAGES

### Provides design flexibility for a range of home appliance applications

RAST Power: 6.0 and 10.0A  
RAST R-Power: up to 10.0A

### Mates directly with PCB or via RAST 2.5 Headers

Direct and indirect mating

### Is compatible with industry standard terminal layouts

Standard and opposite PCB layout options

### Ensures performance, safety and compliance with material specifications

Glow-wire, UL, CSA and VDE approved

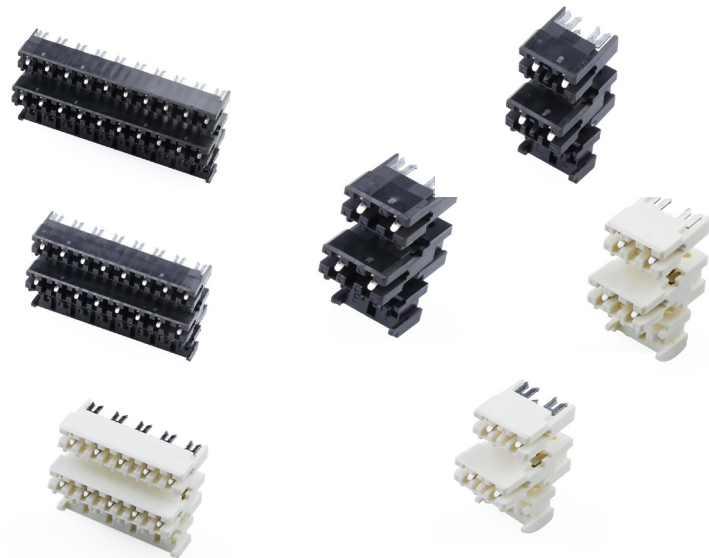
### Provides polarization on the PCB

PCB headers have staggered footprint

### Secures mated connectors to eliminate accidental unmating

Passive latch/internal latch

Voltage (max.)	US—110V   Europe—250V
Current (max.)	Up to 10.0A
Operating temperatures	-40 to +120°C
Durability (min.)	10 cycles



## MARKETS AND APPLICATIONS

### Automotive

Automotive lighting

### Appliances

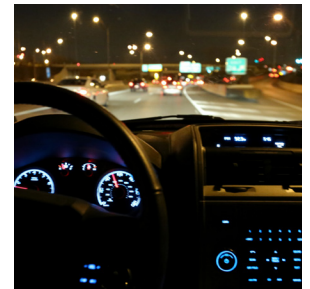
- Coffee machines
- Food preparation tools
- Hair dryers
- Vacuum cleaners
- Washing machines
- Dishwashers
- Clothes dryers
- Refrigerators



Washing Machines



Coffee Machines



Automotive Lighting

# RAST Power and R-Power Connector Systems >

## Specifications: RAST Power Connectors

### Reference Information

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

### Electrical

Voltage (max.):  
 Europe — 250V AC  
 US — 110V Current  
 (max.):  
 Silver-Plated — 10.0A per Contact  
 Tin-Plated — 6.0A per Contact  
 Contact Resistance:  
 Indirect (max.) — 5 milliohms  
 Direct, Double-Sided PCB (max.) — 5 milliohms  
 Direct, Single-Sided PCB or Header (max.) —  
 10 milliohms  
 Insulation Resistance: >10 Megohms

### Mechanical

IDT Retention Force:  
 0.50mm Wire —  $\geq 50N$  0.35mm<sup>2</sup>  
 Wire —  $\geq 30N$  0.75mm Wire —  $\geq 50N$   
 Durability (min.): 10 Cycles

### Physical

Housing: Nylon  
 Contact: Copper Alloy  
 Plating:  
 Contact Area — Tin or Silver  
 Operating Temperature: -40 to +120°C

## Specifications: RAST R-Power Connectors

### Reference information

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

### Electrical

Voltage (max.):  
 Europe — 250V AC  
 US — 110V  
 Current (max.): 10.0A  
 Contact Resistance:  
 Indirect (max.) — 5 milliohms  
 Insulation Resistance: >10 Megohms

### Mechanical

IDT Retention Force:  
 0.50mm  $\geq 30N$   
 0.75mm  $\geq 50N$   
 Durability (min.): 10 Cycles

### Physical

Housing: PolyMid PA6-GF  
 Contact: Copper Alloy  
 Plating:  
 Contact Area — Tin  
 Operating Temperature: -40 to +120°C

<https://www.heilind.com/npi/stocking-package/2298>

