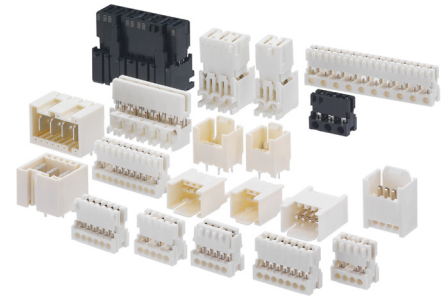


RAST Power and R-Power Connector Systems >

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

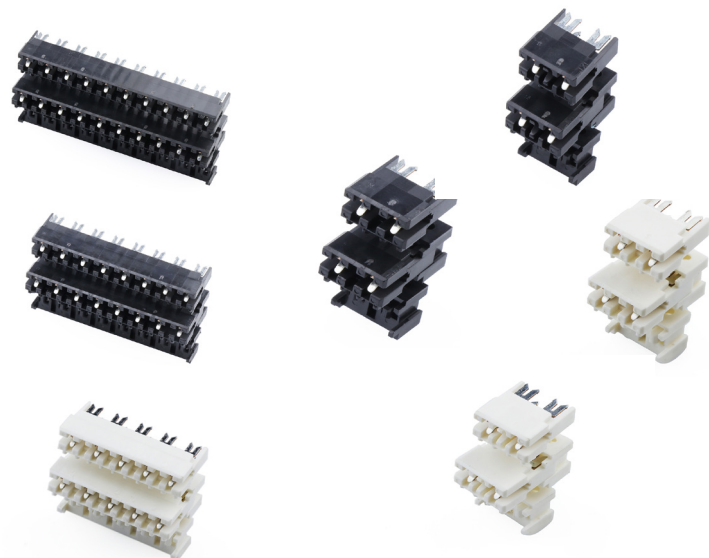
Provides polarization on the PCB

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

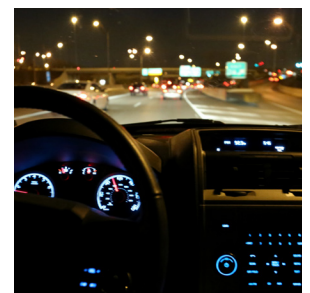
- Coffee machines
- Food preparation tools
- Hair dryers
- Vacuum cleaners
- Washing machines
- Dishwashers
- Clothes dryers
- Refrigerators



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:
 0.50mm² Wire — ≥ 50N
 0.35mm² Wire — ≥ 30N
 0.75mm² Wire — ≥ 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:
 0.50mm² — ≥ 30N
 0.75mm² — ≥ 50N
 Durability (min.): 10 Cycles

Physical

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

www.molex.com/link/rastsystem.html