

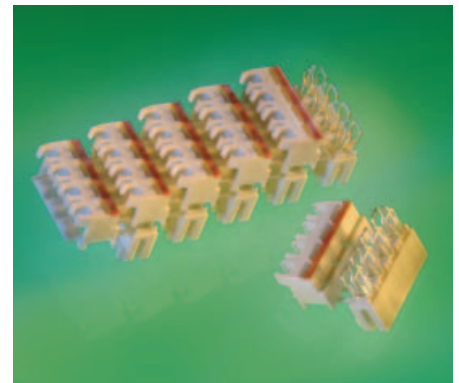


RAST power is the next generation of white goods power connectors. Based on the RAST 2.5 signal connector the product is designed to carry up to 6 amps and mates directly to a PCB or via header.

The product polarizing features include coding keys, colour coding, polarizing rib and polarizing end walls.

The part is designed to work with a wire of diameter 0.5 mm<sup>2</sup> to 0.75 mm<sup>2</sup> (20 awg).

Features	Benefits
■ Coding keys	■ Prevent mis-mating with header
■ Polarizing rib	■ Prevents mis-mating with PCB
■ Polarizing end walls	
■ Pass GWI 750	■ Meets IEC 60335 specification
■ Internal latch	■ Increased PCB retention
■ Double IDT slot	■ Improved wire termination and retention



**SPECIFICATIONS**

**Reference Information**

Packaging: Box  
 UL File No.: Pending  
 CSA File No.: Pending  
 Mates With: 90860, 90861, 90873  
 Designed In: Millimeters

**Electrical**

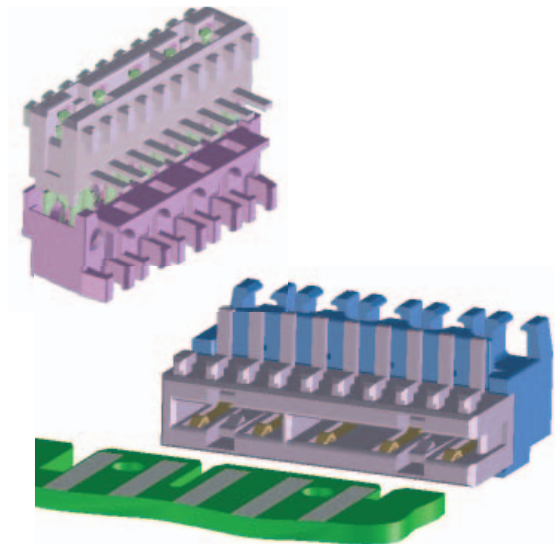
Voltage: 250 V AC  
 Current: Tin – 6.0 A  
 Contact Resistance: 5 milliohms double sided pcb  
 10 milliohms single sided pcb  
 Dielectric Withstanding Voltage: 1,500 wV AC  
 Insulation Resistance: 100 Megohms

**Mechanical**

Mating Force: 4N  
 Unmating Force: 0.5N  
 Durability: 10 cycles  
 Relative Thermal Index: 65

**Physical**

Housing: PA 6  
 Contact: Tin  
 Phosphor Bronze or Copper Alloy  
 Plating: Contact Area – Tin or Silver  
 Operating Temperature: –20 °C to +85 °C





**91627 Receptacle**

**Markets and Applications**

- All white goods:
  - Washing machine
  - Tumble dryers
  - Dishwashers
  - Central heating boilers
  - Air conditioning systems



**ORDERING INFORMATION**

Order No.	Description	Order No.	Description
91627-0001	2 Circuit	91627-6001	8 Circuit
91627-1001	3 Circuit	91627-7001	9 Circuit
91627-2001	4 Circuit	91627-8001	10 Circuit
91627-3001	5 Circuit	91627-9001	11 Circuit
91627-4001	6 Circuit	91627-9501	12 Circuit
91627-5001	7 Circuit	See note below	See note below

*Note:* There are a number of options available on each circuit size:

- Terminal void positions
- Removed coding keys
- End walls
- Polarizing rib
- Latch
- Color Stripe

to view these options please reference SD-91627-001

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