

## FEATURES AND SPECIFICATIONS

[查询"46207-0012"供应商](#)



# 4.20mm (.165") Pitch Mini-Fit RTC™ Vertical Headers

## 46207

### Mini-Fit RTC has same features as Mini-Fit Jr.™ plus is RoHS capable

Designed with a high-temperature LCP housing, Mini-Fit RoHS Temperature Capable (RTC) Headers can withstand high SMT solder-reflow temperatures to guarantee compatibility with lead-free RoHS reflow processes.

Mini-Fit RTC headers mate with standard Mini-Fit® receptacles using the standard Mini-Fit key design. Mini-Fit RTC headers share the same design features

of the Mini-Fit Jr. headers, ensuring compatibility and reliability.

Mini-Fit products provide a cost-effective solution for mid-range power applications that require high-density and current-carrying capability. For more information on Molex's extensive Mini-Fit product offering, visit [www.molex.com/product/minifit.html](http://www.molex.com/product/minifit.html).



### Features and Benefits

- High-temperature LCP housing withstands RoHS lead-free processing up to 260° C peak
- Press-fit PCB pegs provide polarization during placement on the PCB and increased retention during the soldering process
- High-current Mini-fit Plus HCS™ male pins provide up to 12.0A per circuit (mated with Mini-Fit Plus HCS™ female crimp terminal, 16AWG)
- Mini-Fit locking thumb latch assures positive locking of mating connectors
- Standard Mini-Fit polarized, keyed silos prevent mismatching and provides protection for the mating terminals; compatible with existing Mini-Fit receptacles
- Circuit sizes 4 to 12, and 24, offer design flexibility; other sizes planned

## SPECIFICATIONS

### Reference Information

Packaging: Tray or box  
UL File No.: Contact Molex  
CSA File No.: Contact Molex  
Mates With: 5557 receptacle  
Designed In: Millimeters  
Process: Wave solder or SMT reflow,  
260° C peak (20 seconds)

### Electrical

Voltage: 600V  
Current: 12.0A  
Contact Resistance: 20 milliohms  
Dielectric Withstanding Voltage: 2200V AC  
Insulation Resistance: 1000 Megohms min.

### Mechanical

Pin Retention to Housing: 6.67N (1.499 lb) min.  
Insertion Force to PCB: 55N (12.364 lb) max.  
10.0N (2.248 lb) min.  
Mating Force: 14.7N (3.305 lb) max.  
Unmating Force: 1.0N (.225 lb) min.  
Durability: 30 cycles

### Physical

Housing: LCP, black  
Flammability: UL 94V-0  
Contact: Brass  
Plating:  
Contact Area—Tin (Sn)  
Solder Tail Area—Tin (Sn)  
Underplating—Nickel (Ni)  
PCB Thickness: 1.57 and 2.36mm (.062" and .093")  
Operating Temperature: -40 to +105°C  
RoHS Capable: Yes



## APPLICATIONS

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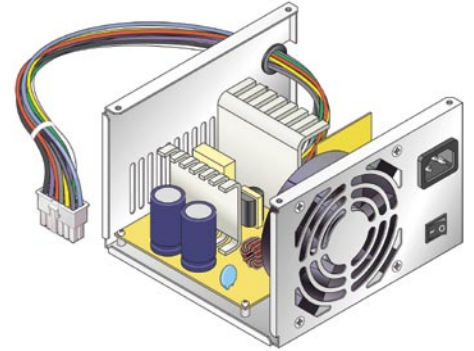
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## 46207

- Desktop/tower computer
- Power supplies
- Telecommunications
  - Hubs
  - Servers
- Industrial
- Medical
- Transportation
- Marine and recreational
- Military Commercial Off-the-Shelf (COTS)
- Mid-range power applications



Computer Tower



PC Power Supply

## ORDERING INFORMATION

Circuit	Order No.	
	1.57mm (.062") PCB Thickness	2.36mm (.093") PCB Thickness
4	46207-0004	46207-0104
6	46207-0006	46207-0106
8	46207-0008	46207-0108
10	46207-0010	46207-0110
12	46207-0012	46207-0112
24	46207-0024	46207-0124

Note: For additional circuit sizes, PCB thicknesses and plating contact Molex Inside Sales for more information.

**Americas Headquarters**  
Lisle, Illinois 60532 U.S.A.  
1-800-78MOLEX  
amerinfo@molex.com

**Asia Pacific North Headquarters**  
Yamato, Kanagawa, Japan  
81-46-265-2325  
apninfo@molex.com

**Asia Pacific South Headquarters**  
Jurong, Singapore  
65-6268-6868  
fesinfo@molex.com

**European Headquarters**  
Munich, Germany  
49-89-413092-0  
eurinfo@molex.com

**Corporate Headquarters**  
2222 Wellington Ct.  
Lisle, IL 60532 U.S.A.  
630-969-4550  
Fax: 630-969-1352

Visit our website at [www.molex.com/product/minifitrtc.html](http://www.molex.com/product/minifitrtc.html)