



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

### 46207

#### Mini-Fit RTC has same features as Mini-Fit Jr.TM 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



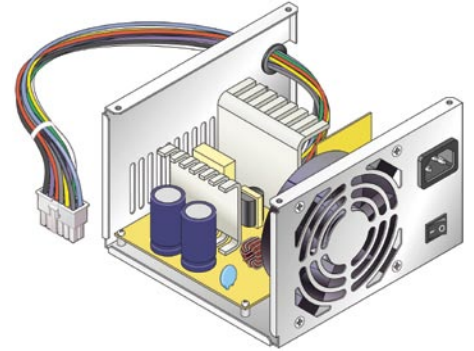
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## 46207

- 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.

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