



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.



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



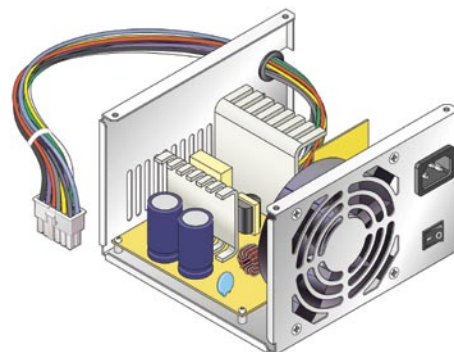
4.20mm (.165") Pitch Mini-Fit RTC™ Vertical Headers

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/minifitrhc.html