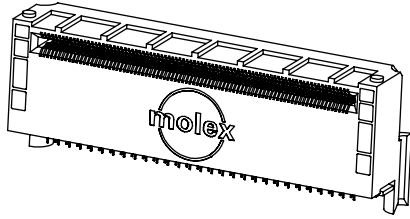


0.75mm (.030") Pitch AMC B+ Connector

75800/75908/75791
170-Circuit
Press-Fit PC Tails



Features and Benefits

- Press-fit termination to PCB
- Design capable of transmission speeds of 10 Gbps
- With or without PCB alignment pegs
- Meets PICMG AMC.0 Rev. 1 specification
- Extended-height version available: 23.0mm

Reference Information

Product Specification: PS-75800-999
Packaging: Tray
Designed in: Millimeters

Electrical

Voltage: 30V
Current: 0.5A max
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 300V AC
Insulation Resistance: 100 Megohms min.

Mechanical

Mating Force: 40N max
Unmating Force: 11.5N max
Durability: 200 cycles

Physical

Housing: Thermoplastic
Contact: Copper Alloy
Plating: Contact Area—Gold
Tail Area—See Table
PCB Thickness: 2.40mm (.093")
Operating Temperature: -40 to +85°C

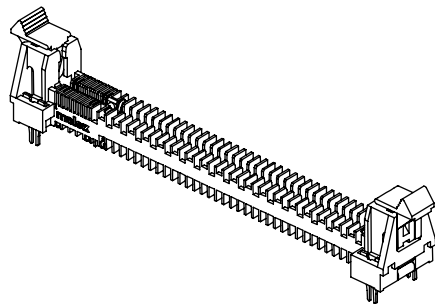
Order No.	PCB Peg	Tail Plating	Height	Lead-free
75800-0001	Yes	Tin	21.85mm (.860")	Yes
75800-0002		Tin/Lead		No
75908-0001	No	Tin	21.85mm (.860")	Yes
75908-0002		Tin/Lead		No
75791-0001	Yes	Tin	23.0mm (.906")	Yes
75791-0002		Tin/Lead		No

www.molex.com/product/amc0.html

L

1.00mm (.039") Pitch iCool™ Low Profile VRM Connector

87786/87787
Vertical, with Latches



Features and Benefits

- High-temperature thermoplastic housing withstands lead-free solder processing
- Open housing design allows air flow to cool the contacts
- Four forklocks secure connectors to PCB against shock and vibration
- Low loop inductance design is ideal for high slew rate characteristics
- Use of VRMs saves valuable PCB real estate compared to Voltage Regulator Down (VRD)
- Plastic locating peg ensures proper insertion and polarization on the PCB
- Unique reverse angle latch notch feature retains the VRM module securely during shock and vibration

Reference Information

Product Specification: PS-87786-008
Packaging: Tray
Mates With: Voltage regulator module
Designed In: Millimeters

Electrical

Voltage: Power—48V
Signal—48V
Current: Power—4.0A per contact pair
Signal—1.0A per contact
Contact Resistance: Power—5 milliohms max.
Signal—10 milliohms max.
Dielectric Withstanding Voltage: 1100V AC
Insulation Resistance: 5000 Megohms min.

Mechanical

Contact Retention to Housing: 3.43N min. per pin
Insertion Force to PCB: 22.5N max. per forklock
Mating Force: 245.3N max.
Latch Actuation Force: 44.1N per latch
Durability: 25 cycles

Physical

Housing: Black high-temperature thermoplastic, UL 94V-0
Contact: Copper Alloy
Plating: Contact Area—0.76µm (30µ") Gold
Solder Tail Area—Tin
Underplating: Nickel
Operating Temperature: -10 to +105°C

Circuits	Order No.	PCB Mounting	Lead-free
Signal 20, Power 72 (VRM 10)	87786-1002	SMT	Yes
Signal 24, Power 70 (VRM 11)	87786-1011		
Signal 20, Power 72 (VRM 10)	87787-1002	Through Hole	
Signal 24, Power 70 (VRM 11)	87787-1011		