

FEATURES AND SPECIFICATIONS



1.00mm (.039") Pitch Fully Buffered DIMM Socket 240 Circuit With Color Options

Molex offers the Fully Buffered DIMM with color options for server applications.

The development of Fully Buffered DIMM (FB DIMM) came from the need for larger and faster memory capacity where memory coordination and accuracy at high speeds are critical which DDR2 is not capable of supporting.

The FB DIMM is a variant of the DDR2. It combines the high-speed internal architecture of DDR2 with a bi-directional point-to-point serial memory interface which links each FB DIMM module together in a chain. The difference is here in which the DDR2 uses a single memory bus.

Molex is an active member of the JEDEC work group that defines industry standards for memory. This allows Molex to ensure that all our memory sockets are 100% industry compatible.

48206
Vertical, Through Hole



Features

- High-temperature thermoplastic housing
- Accepts JEDEC defined module MO-256
- Complies with JEDEC SO-003 socket specifications
- Dual ejector latches
- Built in end key design
- Latch tower support
- Beveled metal pins (forklocks)

Benefits

- Lead-free process compatible
- Ensures 100% industry compatibility
- Ensures easy module insertion and removal with minimal micro motion
- Ensures correct insertion of FB memory module
- Aids in keeping the module vertical
- Provides proper socket to PCB alignment and retention, during and after soldering

SPECIFICATIONS

Reference Information

Packaging: Tray
UL File No.: TBD
CSA File No.: TBD
Mates With: JEDEC MO-256 memory modules
Complies with: JEDEC SO-003 Socket Outline
Designed In: Millimeters

Electrical

Voltage: 30V
Current: 0.5A
Contact Resistance: 20 milliohms max
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 Megohms min

Mechanical

Contact retention to housing: 3N min (Contact)
13N min (Forklock)
Insertion Force to PCB: 0.56N (0.13lb)
Mating Force: 0.81N (0.18lb)
Unmating Force: 0.02N (0.01lb)
Latch Actuation Force: 45N max per latch
Durability: 10 Cycles

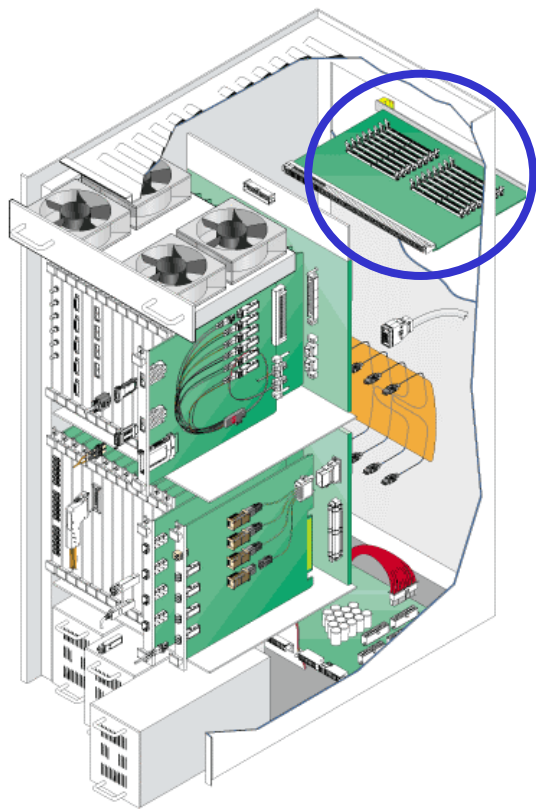
Physical

Housing: See order table
Flammability rating: UL 94V-0
Contact: Copper (Cu) Alloy
PCB thickness: 1.60mm (.062")
Plating:
Contact Area — See order table
Solder Tail Area — Tin (Sn), Lead-free
Underplating — Nickel
Operating Temperature: +260°C max.

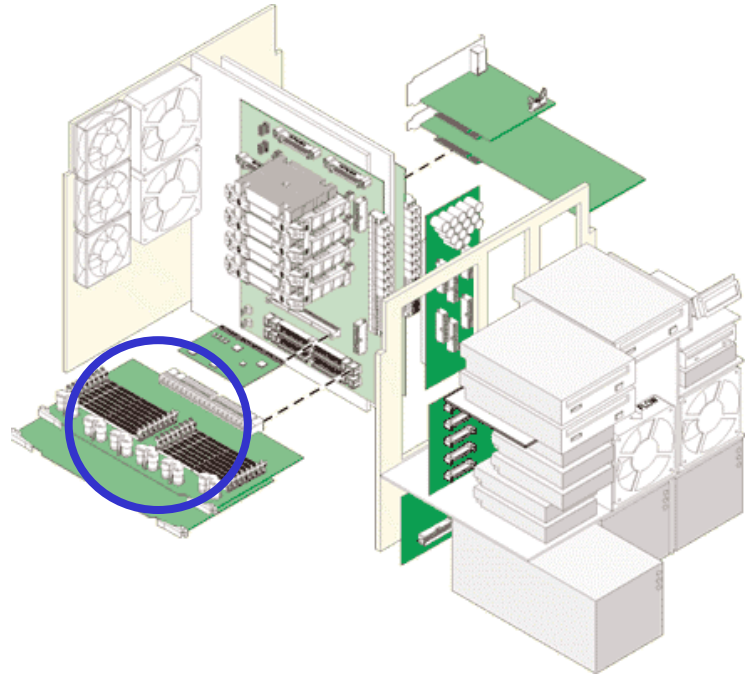
molex® **1.00mm (.039") Pitch**
Fully Buffered DIMM Socket
240 Circuit
With Color Options

- **Computing**
 - High-end workstations
- **Servers**
 - Blade servers
 - Rack-optimized servers
 - Mainframe
- **Telecommunications**
 - Routers
 - Switches

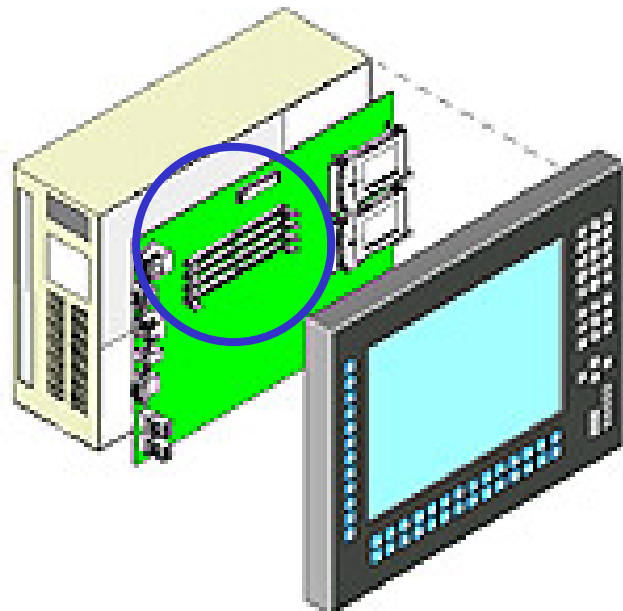
48206
Vertical, Through Hole



Telecommunications Router



Server



High-end Workstation



**1.00mm (.039") Pitch
Fully Buffered DIMM Socket
240 Circuit
With Color Options**

**48206
Vertical, Through Hole**

Description	Lead-Free Ordering	Features				
		Plating	Solder Tail Length	Latch Color	Housing	Recommended PCB Thickness
FB DIMM Socket, Vertical, with Beveled Metal Pins, 1.8V Center	48206-0001	0.38µm (15µ") Gold (Au)	2.67mm (.105")	White	Nylon 4/6, Black	1.60mm (.062")
	48206-0002	0.76µm (30µ") Gold (Au)				
	48206-0003	0.38µm (15µ") Gold (Au)	3.18mm (.125")			
	48206-0004	0.76µm (30µ") Gold (Au)				
	48206-0005	Gold (Au) Flash	2.67mm (.105")			
	48206-0006	Gold (Au) Flash	3.18mm (.125")			
	48206-0101	0.38µm (15µ") Gold (Au)	2.67mm (.105")	Black	Nylon 4/6, Black	1.60mm (.062")
	48206-0102	0.76µm (30µ") Gold (Au)	2.67mm (.105")			
	48206-0103	0.38µm (15µ") Gold (Au)	3.18mm (.125")			
	48206-0104	0.76µm (30µ") Gold (Au)	3.18mm (.125")			
	48206-0105	Gold (Au) Flash	2.67mm (.105")			
	48206-0106	Gold (Au) Flash	3.18mm (.125")			
	48206-9001	0.38µm (15µ") Gold (Au)	2.67mm (.105")	White	Nylon 6/6, Blue	1.60mm (.062")
	48206-9002	0.76µm (30µ") Gold (Au)	2.67mm (.105")			
	48206-9003	0.38µm (15µ") Gold (Au)	3.18mm (.125")			
	48206-9004	0.76µm (30µ") Gold (Au)	3.18mm (.125")			
	48206-9005	Gold (Au) Flash	2.67mm (.105")			



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