

## FEATURES AND SPECIFICATIONS

[查询"48206-0104"供应商](#)



**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.**

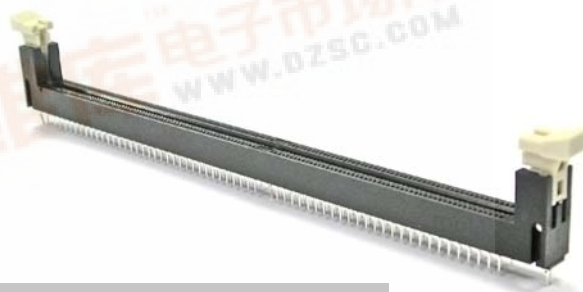
The development of Fully Buffered DIMM (FB DIMM) came from the need for larger and faster memory capacity where memory coordination and accuracy at high speeds are critical which DDR2 is not capable of supporting.

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	Benefits
<ul style="list-style-type: none"><li>• High-temperature thermoplastic housing</li><li>• Accepts JEDEC defined module MO-256</li><li>• Complies with JEDEC SO-003 socket specifications</li></ul>	<ul style="list-style-type: none"><li>• Lead-free process compatible</li><li>• Ensures 100% industry compatibility</li></ul>
<ul style="list-style-type: none"><li>• Dual ejector latches</li></ul>	<ul style="list-style-type: none"><li>• Ensures easy module insertion and removal with minimal micro motion</li></ul>
<ul style="list-style-type: none"><li>• Built in end key design</li></ul>	<ul style="list-style-type: none"><li>• Ensures correct insertion of FB memory module</li></ul>
<ul style="list-style-type: none"><li>• Latch tower support</li></ul>	<ul style="list-style-type: none"><li>• Aids in keeping the module vertical</li></ul>
<ul style="list-style-type: none"><li>• Beveled metal pins (forklocks)</li></ul>	<ul style="list-style-type: none"><li>• Provides proper socket to PCB alignment and retention, during and after soldering</li></ul>

## 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.



## MARKETS AND APPLICATIONS

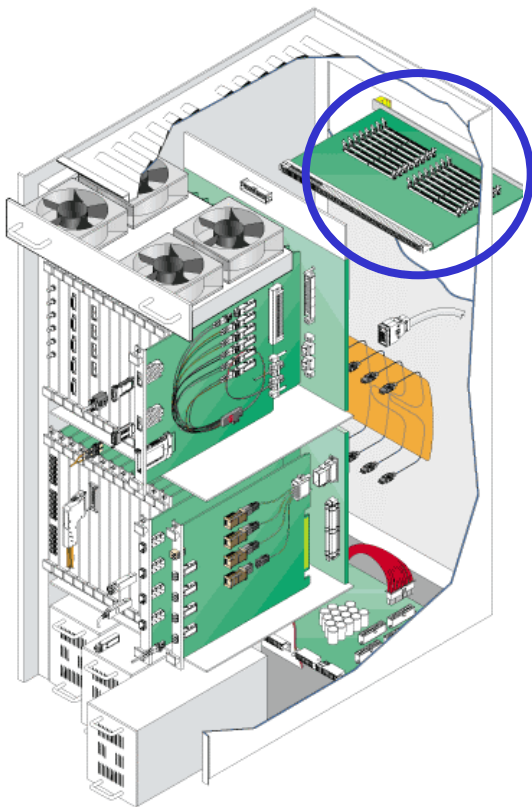
[查询"48206-0104"供应商](#)



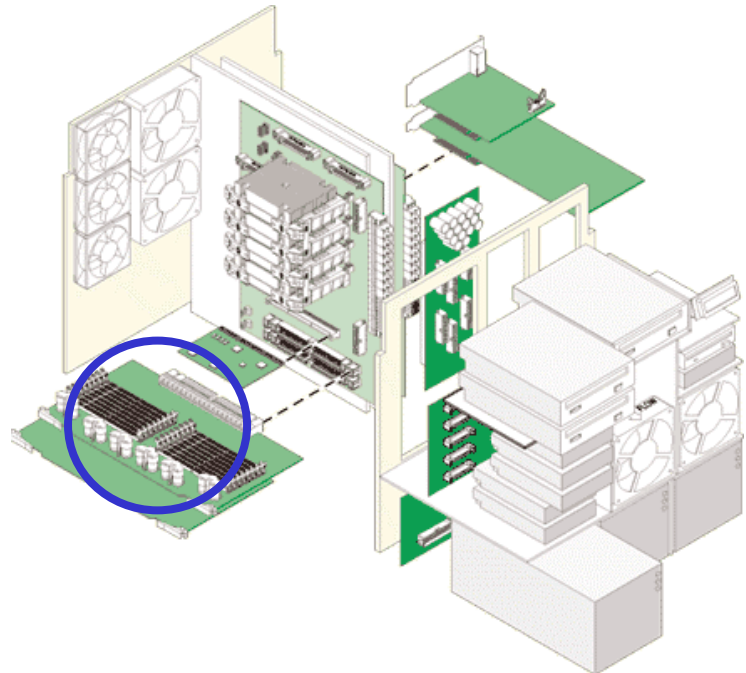
**1.00mm (.039") Pitch  
Fully Buffered DIMM Socket  
240 Circuit  
With Color Options**

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

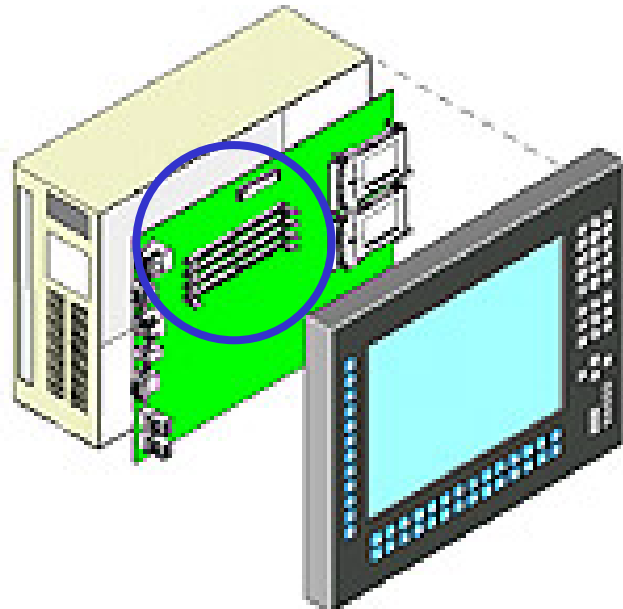
**48206**  
**Vertical, Through Hole**



**Telecommunications Router**



**Server**



**High-end Workstation**

**ORDERING INFORMATION**
[查询"48206-0104"供应商](#)


**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")			



*Bringing People & Technology Together, Worldwide<sup>SM</sup>*

**Americas Headquarters**  
2222 Wellington Ct.  
Lisle, Illinois 60532 USA  
1-800-78MOLEX  
amerinfo@molex.com

**Far East North Headquarters**  
Yamato, Kanagawa, Japan  
81-462-65-2324  
feninfo@molex.com

**Far East South Headquarters**  
Jurong, Singapore  
65-6-268-6868  
fesinfo@molex.com

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

**Corporate Headquarters**  
2222 Wellington Ct.  
Lisle, Illinois 60532 USA  
630-969-4550

Visit our Web site at <http://www.molex.com>