

## PRODUCT OVERVIEW

### Features and Benefits

#### Stamped and Formed Contacts

- Smooth contact surface, reduces debris at interface

#### Palladium Nickel/Gold Flash Plating

- Improves durability and plating porosity

#### LCP Housing

- Stable through both wave and reflow soldering processes
- Accepts all JEDEC module outlines; Stackable on 7.62mm (.300") centers
- Molded-in identification for voltage and pin #1

#### Plastic Pegs and Forklocks

- Provides hold down during soldering process

#### Latches

- Dual latches provide easy module removal
- Latch dampening feature reduces micro-motion at contact interface
- Module pre-alignment feature prior to contact engagement, eliminates misregistration
- Positive latch detent improves module retention to the connector
- Narrow profile allows better air flow
- Latch detent assures latches are in the open position for module insertion

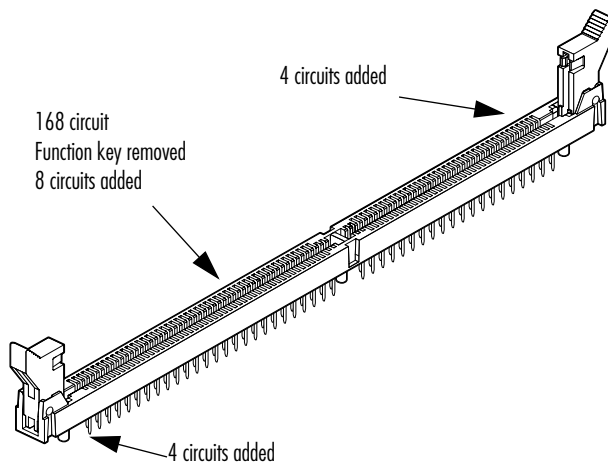
# molex® 1.27mm (.050") Pitch Double Data Rate (DDR) DIMM Sockets

## 71243/71251

### For 184 and 200 Circuit DDR DIMM Memory Modules

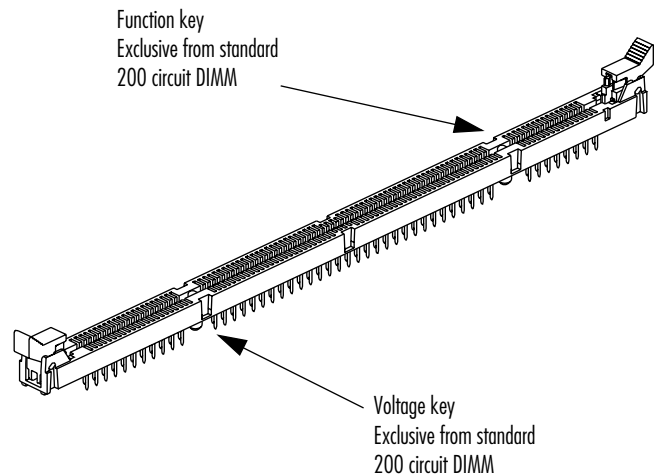
#### 71243-3XXX SINGLE KEY DDR DIMM

- Circuit sizes: 184 circuit - Same physical profile as standard 168 circuit DIMM



#### 71251-31XX MULTI KEY DDR DIMM

- Circuit sizes: 200 circuit - Same physical profile as standard 200 DIMM



## FEATURES AND SPECIFICATIONS

As memory speeds continue to increase, Molex continues to enable the market with quality connectors. Now we are supporting DDR technology which is the next step in DIMM technology. Our DDR DIMM connectors share our standard DIMM platform which includes contacts, latches, and a combination of plastic pegs and forklift for securing the connector during the manufacturing process. Our terminals have the longest contact wipe in the industry and our latches incorporate an alignment feature to aid module insertion, a dampening feature to resist vibration, and a latch detent which indicates that the latches have secured the module in place.

### Reference Information

Product Spec: PS-71243

### Electrical

Voltage: 100V  
Current: 1.0A  
Contact Resistance: 30mΩ max.  
Dielectric Withstanding Voltage: 500V AC  
Insulation Resistance: 1000 MΩ min.

### Mechanical

Durability: 25 cycles min.  
Mating Force: 5.6 oz. per pair max.  
Product Spec: PS-71243

### Physical

Housing and Latches: High Temperature Thermoplastic, UL 94V-0  
Contact: Phosphor Bronze  
Plating: Contact Area—2 to 10μ" Gold Flash over Palladium Nickel  
Solder Tails—75μ" Tin-Lead  
Underplate—50μ" Nickel

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## ORDERING INFORMATION

Circuits	Order No.	Function Key	Voltage Key
184	71243-3001	N/A	1.8V / Center
184	71243-3002	N/A	2.5V / Offset Left
184	71243-3003	N/A	3.3V / Offset Right
200	71251-3101	Center	2.5V / Center



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