

## FEATURES AND SPECIFICATIONS

查询"48168-1201"供应商



0.80mm (.031") Pitch  
Board-to-Board  
MDC Connector

Molex offers the MDC connectors for mobile personal computer audio and modem codec solutions.

The Azalia mobile daughter card (MDC) specification provides a mobile form-factor modules and interface for audio or modem or audio/modem codec solutions. The MDC specification is open to the industry to facilitate IHV validation on Azalia based codec designs.

There are 2 system interface connector for the MDC. They are the MDC 1.0 and MDC 1.5. The MDC 1.0 can apply to audio, modem, or audio and modem codec solutions and the MDC 1.5 applies to modem or audio codec solutions only. The MDC 1.0 and MDC 1.5 comes in a 30 circuits and 12 circuits configuration respectively.

Molex offers the complete range of MDC connectors which covers the mated height of 3mm to 5.5 mm.

48126  
SMT Plug



48168, 48210, 48211,  
48243, 48233  
SMT Receptacle



48168



48211

48233



48243



48233



48126



48120



48168



48211



48243



48233

## SPECIFICATIONS

### Reference Information

Packaging: Tape & Reel

UL File No.:

CSA File No.:

Mates : 48168 / 48210 / 48211 mates with

48126

Designed In: mm

### Electrical

Voltage: 50V

Current: 0.5A

Contact Resistance: 40 Milliohms Max.

Dielectric Withstanding Voltage: 250V AC

Insulation Resistance: 1000 Megohms min.

### Mechanical

Mating Force: 0.69N max.

Unmating Force: 0.12N min.

Durability: 50 cycles

### Physical

Housing: High Temperature, Thermoplastic,  
Glass-filled

Contact: Copper Alloy

Plating: Tin (Sn)

Under plating: 1.27 um Nickel (Ni)

Operating Temperature: -40 °C to +85 °C.



**MARKETS AND APPLICATIONS**

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- **Notebook Industry**



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Board-to-Board  
MDC Connector**

**48126  
SMT Plug**

**48168, 48210, 48211,  
48243, 48233  
SMT Receptacle**

**ORDERING INFORMATION**

<b>Description</b>	<b>Lead-Free Order Number</b>	<b>Circuit size</b>	<b>Carrier Tape Width</b>	<b>Packaging Quantity (pcs/reel)</b>
<i>MDC 0.80mm (.031") pitch, Board-to-board Plug, SMT, 3.50mm (.138") mated height</i>	<b>48126-1201</b>	<b>12</b>	<b>16.00mm</b>	<b>1500</b>
	<b>48126-3001</b>	<b>30</b>	<b>24.00mm</b>	
<i>MDC 0.80mm (.031") pitch, Board-to-board Receptacle, SMT, 3.00mm (.118") mated height</i>	<b>48210-1201</b>	<b>12</b>	<b>16.00mm</b>	<b>1500</b>
	<b>48210-3001</b>	<b>30</b>	<b>24.00mm</b>	
<i>MDC 0.80mm (.031") pitch, Board-to-board Receptacle, SMT, 3.50mm (.138") mated height</i>	<b>48168-1201</b>	<b>12</b>	<b>24.00mm</b>	<b>1400</b>
	<b>48168-3001</b>	<b>30</b>		
<i>MDC 0.80mm (.031") pitch, Board-to-board Receptacle, SMT, 4.20mm (.165") mated height</i>	<b>48211-1201</b>	<b>12</b>	<b>16.00mm</b>	<b>1200</b>
<i>MDC 0.80mm (.031") pitch, Board-to-board Receptacle, SMT, 5.00mm (.197") mated height</i>	<b>48243-1201</b>	<b>12</b>	<b>16.00mm</b>	<b>1000</b>
<i>MDC 0.80mm (.031") pitch, Board-to-Board Receptacle, SMT, 5.50mm (.217") Mated height</i>	<b>48233-1201</b>	<b>12</b>	<b>16.00mm</b>	<b>600</b>



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

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