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**Part Number:** [48168-1201](#)  
**Status:** **Active**  
**Description:** 0.80mm Pitch MDC Board-to-Board Receptacle, SMT, Vertical, 3.50mm Mated Height, Matte Tin, 12 Circuits, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-48168-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-48210-001 (PDF)</a>
<a href="#">Product Specification PS-48126-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	PCB Receptacles
Series	<a href="#">48168</a>
Application	Board-to-Board, Signal
Product Name	MDC
UPC	822350221900

**Physical**

Circuits (Loaded)	12
Circuits (maximum)	12
Durability (mating cycles max)	50
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height	3.50mm
Material - Metal	Copper
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.189/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.80mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V DC

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	8
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-48168-001
Product Specification	PS-48126-001
Sales Drawing	SD-48168-001

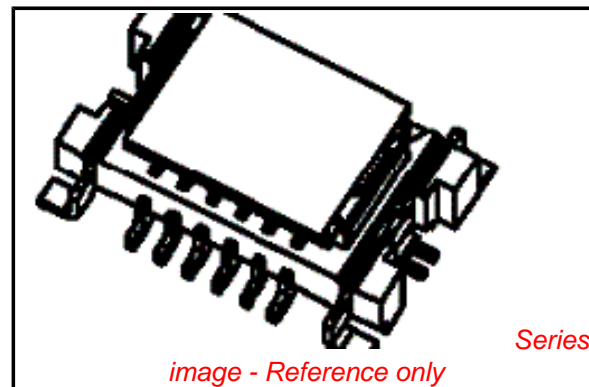


image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

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**Search Parts in this Series**

48168Series

**Mates With**

48126

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