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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:

3D Model	Packaging Specification PK-48168-001 (PDF)
Drawing (PDF)	Test Summary TS-48210-001 (PDF)
Product Specification PS-48126-001 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Receptacles
Series	48168
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

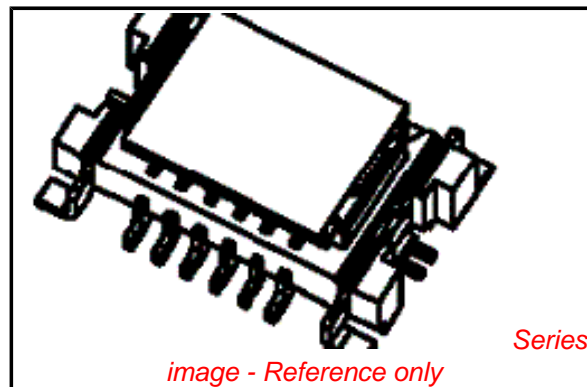


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EU RoHS

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
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

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Search Parts in this Series

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