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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

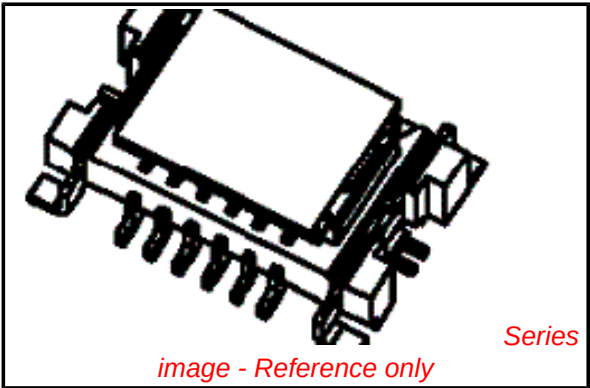
Solder Process Data

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



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



Need more information on product environmental compliance?

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

Please visit the [Contact Us](#) section for any non-product compliance questions.

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