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Part Number: [47309-3751](#)
Status: **Active**
Overview: microSD Memory Card Connector
Description: 1.10mm Pitch microSD Card Header, with Detect Switch, Height 3.75mm, Lead-Free, Gold (Au) Plated 0.762µm

Documents:

[3D Model](#) [Product Specification PS-47309-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

| | |
|----------------|--------------------------------------|
| Product Family | Memory Card Sockets |
| Series | 47309 |
| Comments | Push-Pull Type |
| Component Type | I/O Header (Card) |
| Overview | <u>microSD Memory Card Connector</u> |
| Product Name | microSD Card, TransFlash |
| Style | Guide and Holder |
| Type | N/A |
| UPC | 822350586436 |

Physical

| | |
|--------------------------------|--------------------------------|
| Card Detection Switch | Yes |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| Color - Resin | Black |
| Durability (mating cycles max) | 10,000 |
| Ejector Button | No |
| Ejector Button Side | N/A |
| Entry Angle | 90° Angle |
| Keying to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 0.327/g |
| PCB Locator | No |
| PCB Mounting Side | Normal |
| PCB Retention | Yes |
| Packaging Type | Embossed Tape on Reel |
| Pitch - Mating Interface | 1.09mm |
| Pitch - Termination Interface | 1.09mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 0.051µm |
| Ports | 1 |
| Temperature Range - Operating | -40°C to +85°C |
| Termination Interface: Style | Surface Mount |

Electrical

| | |
|-------------------------------|-------|
| Current - Maximum per Contact | 0.5A |
| Shielded | Yes |
| Voltage - Maximum | 5V DC |

Solder Process Data

| | |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 10 |
| Lead-free Process Capability | Reflow Capable (SMT only) |

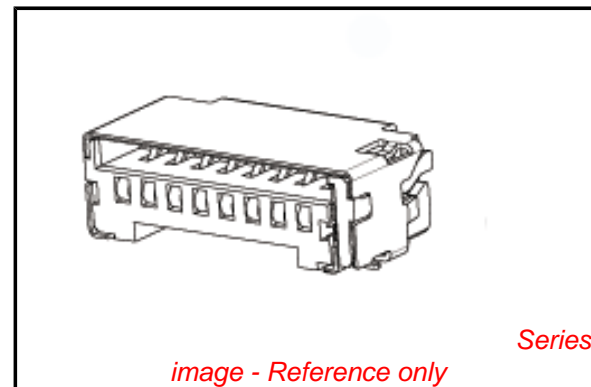


image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

**Contains SVHC: No
Low-Halogen Status
Low-Halogen**

China RoHS



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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.

Search Parts in this Series

[47309Series](#)

Mates With

Standard SIM Card

Use With

microSD Card

| | |
|-----------------------------------------|-----|
| Max. Cycles at Max. Process Temperature | 2 |
| Process Temperature max. C | 255 |

Material Info

Reference - Drawing Numbers

| | |
|-----------------------|--------------|
| Product Specification | PS-47309-001 |
| Sales Drawing | SD-47309-001 |

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