

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1051620001](#)  
**Status:** **Active**  
**Overview:** [microSD Memory Card Connector](#)  
**Description:** 1.10mm Pitch microSD Card Header with Detect Pin, Height 1.45mm, Lead-Free, Gold (Au) Plated 0.381µm

**Documents:**

[3D Model](#) [Packaging Specification PK-105162-001-000 \(PDF\)](#)  
[Drawing \(PDF\)](#) [Test Summary TS-105162-001-001 \(PDF\)](#)  
[3D Model \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family Memory Card Sockets  
 Series [105162](#)  
 Comments <LI>Push-Pull Type, <LI>Push-Pull Type  
 Electrical Model Yes  
 Overview [microSD Memory Card Connector](#)  
 Product Name microSD Card  
 Style Guide and Holder  
 UPC 884982383333

**Physical**

Card Detection Switch Open  
 Card Entry Location Front  
 Circuits (Loaded) 8  
 Circuits (maximum) 8  
 Color - Resin Black  
 Durability (mating cycles max) 10000  
 Ejector Button Side N/A  
 Material - Contact Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Gold  
 Material - Resin High Temperature Thermoplastic  
 Material - Shell Stainless Steel  
 Net Weight 0.136/g  
 PCB Locator No  
 PCB Retention Yes  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface 1.10mm  
 Pitch - Termination Interface 1.10mm  
 Temperature Range - Operating -40° to +85°C  
 Termination Interface: Style Surface Mount

**Electrical**

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

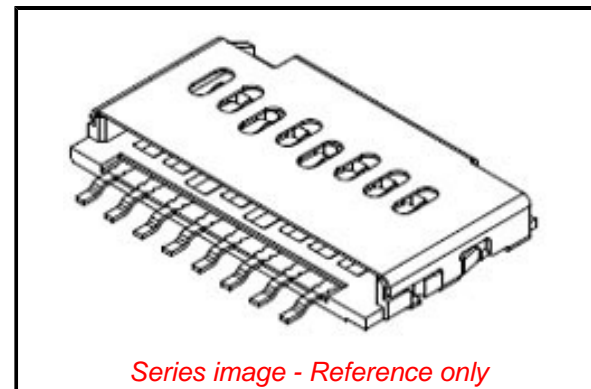
**Solder Process Data**

Duration at Max. Process Temperature (seconds) 003  
 Lead-freeProcess Capability REFLOW  
 Max. Cycles at Max. Process Temperature 002  
 Process Temperature max. C 250

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document EE-105162-001



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ECHA\_01\_2020 (16  
 January 2020

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[105162 Series](#)

**Mates With**

Standard SIM Card

**Use With**

microSD Card

Packaging Specification  
S-Parameter Model  
Sales Drawing  
Test Summary

PK-105162-001-000  
SP-105162-001  
SD-105162-001-000  
TS-105162-001-001

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