



Part Number : 787311007

Product Description : DDR4 DIMM Socket,
Vertical Press-Fit, 0.76µm Gold Plating, 288
Circuits, PCB Thickness 1.80mm, Tail Length
3.53mm, Black Housing, Black Latch
Status : Active

Series Number : 78731

Product Category : Memory Module
Connectors

Documents & Resources

Drawings

Drawing 787311007_sd.pdf
Packaging Design Drawing PK-78731-001-001.pdf

3D Models and Design Files

3D Model 787311007_stp.zip
Electrical Model Document EE-78731-001-001.pdf
Electrical Model Document EE-78731-003-001.pdf
Electrical Model Document EE-78731-006-001.pdf
Electrical Model Document EE-78731-007-001.pdf
S-Parameter Model SP-78731-001-001.zip
S-Parameter Model SP-78731-003-001.zip
S-Parameter Model SP-78731-006-001.zip
S-Parameter Model SP-78731-007-001.zip

Specifications

Application Specification AS-78731-003-001.pdf
Product Specification PS-78731-001-001.pdf

Tooling Specifications

Application Tooling Specification 2002142955-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)

EU RoHS	Compliant per EU 2015/863
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Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Memory Module Connectors
Series	78731
Description	DDR4 DIMM Socket, Vertical Press-Fit, 0.76µm Gold Plating, 288 Circuits, PCB Thickness 1.80mm, Tail Length 3.53mm, Black Housing, Black Latch
Component Type	Socket
JEDEC Outline	MO-309
Product Family	DDR4 DIMM Sockets
Product Name	DDR4 DIMM
UPC	887191527314

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	0.75A
Voltage - Maximum	29V AC (RMS)/DC

Physical

Circuits (Loaded)	288
Circuits (maximum)	288
Durability (mating cycles max)	25
Entry Angle	Vertical (Top Entry)
Flammability	94V-0
Housing Color	Black
Keying to Mating Part	None
Latch Color	Black
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Polyamide
Net Weight	7.416/g
Packaging Type	Tray
PC Tail Length	3.53mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.80mm
Pitch - Mating Interface	0.85mm
Pitch - Termination Interface	0.85mm
Plating min - Mating	0.762µm
Plating min - Termination	0.381µm
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Press-Fit

Solder Process Data

Max-Duration	5
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	2
Max-Temp	260