Part Number : 1511050002

Product Description : 0.50mm Pitch DDR4 miniDIMM Socket, Surface Mount, Vertical, with Natural (Off-White) Latches, without Center Forklock, with Pick and Place Cap, 288 Circuits

Series Number : 151105

Status : Active

Product Category : Memory Module Connectors

Documents & Resources

Drawings

Drawing 1511050002_sd.pdf
Packaging Design Drawing PK-151105-0001-000.pdf

3D Models and Design Files

Electrical Model Document EE-151105-0001-001.pdf
Signal Integrity Report SI-151105-0001-001.pdf
S-Parameter Model SP-151105-0001-001.zip

Specifications

Application Specification AS-151105-0001-001.pdf
Application Specification AS-151105-0002-001.pdf
Product Specification PS-151105-0001-001.pdf
Test Summary TS-151105-0001-001.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(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

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	151105
Description	0.50mm Pitch DDR4 miniDIMM Socket, Surface Mount, Vertical, with Natural (Off-White) Latches, without Center Forklock, with Pick and Place Cap, 288 Circuits
Component Type	Socket
JEDEC Outline	MO-314
Product Family	MiniDIMM Sockets
Product Name	DDR4 MiniDIMM
UPC	889056426527

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	0.75A
Voltage Key	1.2V
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	Natural (Off-White)
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	3.810/g
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Surface Mount

Solder Process Data

Max-Duration	5
Lead-Free Process Capability	REFLOW
Max-Cycle	2
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	JEDEC MO-314 Memory Modules