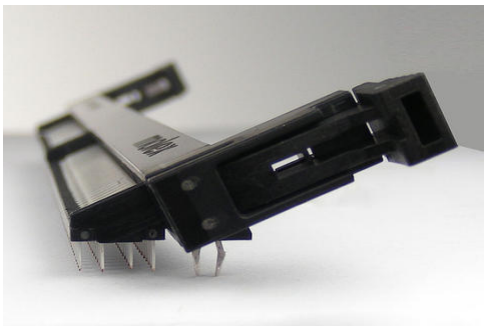
molex



Part Number : 1510800101
Product Description : DDR4 DIMM Socket, 25° Angled, Vertical Through-Hole, 0.76µm Gold Plating, 288 Circuits, PCB Thickness 1.70mm, Black Housing, Black Latch
Series Number : 151080
Status : Active
Product Category : Memory Module Connectors

Documents & Resources

Drawings

1510800101_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

1510800004-000.pdf

EE-151080-0001-001.pdf

EE-151080-0002-001.pdf

EE-151080-0003-001.pdf

SI-151080-0001-001.pdf

1510800004-000.zip

SP-151080-0001-001.zip

SP-151080-0002-001.zip

SP-151080-0003-001.zip

Specifications

PS-151080-0001-001.pdf

TS-151080-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34;

	33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Memory Module Connectors
Series	151080
Description	DDR4 DIMM Socket, 25° Angled, Vertical Through-Hole, 0.76µm Gold Plating, 288 Circuits, PCB Thickness 1.70mm, Black Housing, Black Latch
Component Type	Socket
JEDEC Outline	MO-309
Product Name	DDR4 DIMM
UPC	889056200165

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Circuits (Loaded)	288
Circuits (maximum)	288
Durability (mating cycles max)	25
Entry Angle	25° Angle
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	24.101/g
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.70mm, 1.80mm
PC Tail Length	2.67mm
Pitch - Mating Interface	0.85mm
Pitch - Termination Interface	0.85mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Through Hole

Solder Process Data

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

Application Tooling

Global

Description	Part Number
DDR4 DIMM Memory Card Insertion Tool for 2 DDR4 DIMM 25° Angled, 0.85mm Pitch, 288 Circuit Sockets, Mounted on 18.00mm Centers	621001970