

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

**Part Number:** [1510800102](#)  
**Status:** **Active**  
**Overview:** DDR4 DIMM Sockets  
**Description:** DDR4 DIMM Socket, 25° Angled, Vertical Through-Hole, 0.76µm Gold Plating, 288 Circuits, PCB Thickness 1.70mm, Black Housing, Natural Latch

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**Application tooling part link**

Application Tooling Part Link 62100-1970

**General**

Product Family Memory Module Sockets  
 Series [151080](#)  
 Component Type Socket  
 JEDEC Outline MO-309  
 Overview [DDR4 DIMM Sockets](#)  
 Product Name DDR4 DIMM  
 UPC 889056200172

**Physical**

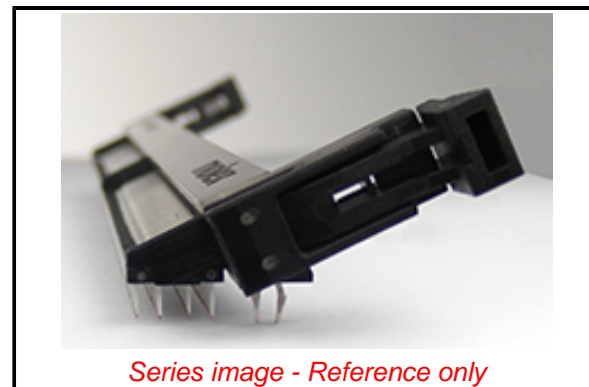
Circuits (Loaded) 288  
 Circuits (maximum) 288  
 Durability (mating cycles max) 25  
 Entry Angle 25° Angle  
 Flammability 94V-0  
 Housing Color Black  
 Keying to Mating Part Yes  
 Latch Color Natural (Off-White)  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Net Weight 24.101/g  
 PC Tail Length 2.67mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.70mm, 1.80mm  
 Packaging Type Tray  
 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

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 D(2020)4578-DC (25  
 June 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**

[151080 Series](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

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

[621001970](#)

Lead-free Process Capability  
Max. Cycles at Max. Process Temperature  
Process Temperature max. C

SMC&WAVE  
002  
260

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document  
S-Parameter Model  
Sales Drawing

1510800004-000, EE-151080-0001, EE-151080-0002  
SP-151080-0001, SP-151080-0002  
SD-151080-0001-000

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