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Part Number: [0787311002](#)
Status: **Active**
Overview: [DDR4 DIMM Sockets](#)
Description: DDR4 DIMM Socket, Vertical Press-Fit, 30µm Gold Plating, 288 Circuits, PCB Thickness 1.80mm (.071"), Black Housing, Black Latch

Documents:

[Drawing \(PDF\)](#) [Packaging Specification PK-78731-001-001 \(PDF\)](#)
[Application Specification AS-78731-003-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family Memory Module Sockets
 Series [78731](#)
 Application Tooling Part Link 62202-3810
 Component Type Socket
 Electrical Model Yes
 JEDEC Outline MO-309
 Overview [DDR4 DIMM Sockets](#)
 Product Name DDR4 DIMM
 UPC 887191484396

Physical

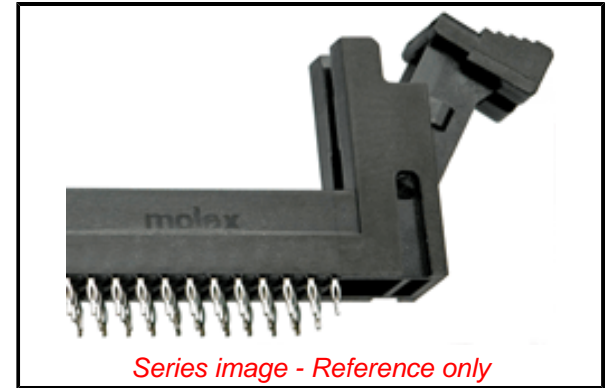
Circuits (Loaded) 288
 Circuits (maximum) 288
 Durability (mating cycles max) 25
 Entry Angle Vertical (Top Entry)
 Flammability 94V-0
 Housing Color Black
 Keying to Mating Part Yes
 Latch Color Black
 Material - Metal Copper Alloy
 Material - Plating Mating Gold over Nickel
 Material - Plating Termination Tin over Nickel
 Material - Resin Nylon
 Net Weight 7.464/g
 PC Tail Length 2.53mm
 PCB Retention None
 PCB Thickness - Recommended 1.80mm
 Packaging Type Tray
 Pitch - Mating Interface 0.85mm
 Pitch - Termination Interface 0.85mm
 Plating min - Mating 0.762µm
 Plating min - Termination 0.381µm
 Temperature Range - Operating -55°C to +85°C
 Termination Interface: Style Press-Fit

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 005
 Lead-free Process Capability SMC&WAVE
 Max. Cycles at Max. Process Temperature 002



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/01/2018 (15
 January 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS Green Image
 ELV Not Relevant
 RoHS Phthalates Not Contained

Search Parts in this Series

[78731](#) 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 #
DDR3 DIMM	0622023810
Extraction Tool	

Process Temperature max. C

260

Material Info

Reference - Drawing Numbers

Application Specification
Electrical Model Document

AS-78731-003-001
EE-78731-001, EE-78731-003, EE-78731-006,
EE-78731-007, REE-78731-0006, REE-78731-0007,
REE-78731-0008, REE-78731-009, REE-78731-010,
REE-78731-011, REE-78731-012, REE-78731-013,
REE-78731-014

Packaging Specification
S-Parameter Model

PK-78731-001-001
SP-78731-001, SP-78731-003, SP-78731-006,
SP-78731-007

Sales Drawing

SD-78731-001-001

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