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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)

Application Specification AS-78731-003-001 (PDF)

Packaging Specification PK-78731-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	1409726
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	7.416/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-freeProcess 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/01/2017 (12
January 2017)

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	AS-78731-003-001
Electrical Model Document	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	PK-78731-001
S-Parameter Model	SP-78731-001, SP-78731-003, SP-78731-006, SP-78731-007
Sales Drawing	SD-78731-001

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