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Part Number: [0783150001](#)

Status: **Active**

Overview: [DDR3 DIMM Sockets](#)

Description: 1.00mm Pitch Aerodynamic DDR3 DIMM Socket, Very Low Profile, Vertical, Press-Fit, with Pegs, Black Housing and Latches, 0.76µm Gold (Au) Plating, 1.85mm Compliant Pin Length, 2.40mm PCB Thickness, 240 Circuits, Lead-Free

Documents:

3D Model	Product Specification PS-78315-001-001 (PDF)
Drawing (PDF)	Application Specification AS-78315-001-001 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

Application tooling part link

Application Tooling Part Link	62201-8656
Application Tooling Part Link	62202-3800

General

Product Family	Memory Module Sockets
Series	78315
Component Type	Socket
JEDEC Outline	SO-012
Overview	DDR3 DIMM Sockets
Product Name	DDR3 DIMM
Taxonomy	Memory Module Connectors
UPC	800756929507

Physical

Circuits (Loaded)	240
Circuits (maximum)	240
Durability (mating cycles max)	25
Entry Angle	Vertical
Flammability	94V-0
Housing Color	Black
Keying to Mating Part	Yes
Latch Color	Black
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	7.501/g
PC Tail Length	1.85mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.40mm
Packaging Type	Tray
Pitch - Mating Interface	1.00mm
Pitch - Termination Interface	1.00mm
Plating min - Mating	0.762µm
Plating min - Termination	0.381µm
Temperature Range - Operating	-55° to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1.0A
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Not 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

[78315 Series](#)

Mates With

JEDEC Standard 1.27mm Modules

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	622023800
Memory Module	
Extraction Tool	

Voltage - Maximum 30V AC (RMS)/DC
Voltage Key Center

Solder Process Data

Lead-free Process Capability N/A

Material Info

Reference - Drawing Numbers

Application Specification AS-78315-001-001
Electrical Model Document EE-78315-002-001, EE-78315-003-001
Product Specification PS-78315-001-001
S-Parameter Model SP-78315-002-001, SP-78315-003-001
Sales Drawing SD-78315-001-001

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