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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	<u>78315</u>
Component Type	Socket
JEDEC Outline	SO-012
Overview	<u>DDR3 DIMM Sockets</u>
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)9120-DC (17
Jan 2023)

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-freeProcess 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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