

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0783780003

Status:

Contact Molex

Description:

1.00mm (.039") Pitch DDR3 DIMM Socket, Low LLCR, SMT, Vertical, with Beveled Metal Pins, Black Housing and Latches, 0.76µm (30µ") Gold (Au) Plating, 2.00mm (.079") PCB Thickness, 1.5V Center Voltage Key, 240 Circuits, Lead free



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-78378-001 \(PDF\)](#)
- [Application Specification AS-78378-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Memory Module Sockets
Series	78378
Component Type	Socket
JEDEC Outline	MO-269
Product Name	DDR3 DIMM

Physical

Circuits (Loaded)	240
Circuits (maximum)	240
Color - Resin	Black
Durability (mating cycles max)	25
Entry Angle	Vertical
Flammability	94V-0
Function Key	None
Keying to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.00mm (.079")
Packaging Type	Tray
Pitch - Mating Interface	1.00mm (.039")
Pitch - Termination Interface	1.00mm (.039")
Plating min - Mating	0.762µm (30µ")
Plating min - Termination	2.540µm (100µ")
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	30V AC (RMS)/DC
Voltage Key	Center

Solder Process Data

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	260

EU RoHS

ELV and RoHS
Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
78378Series

Mates With
JEDEC standard 1.27mm modules

Material Info

Reference - Drawing Numbers

Application Specification	AS-78378-001
Product Specification	PS-78378-001
Sales Drawing	SD-78378-001

This document was generated on 05/19/2011

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION