

1-1932680-0 x OBSOLETE



DDR3 DIMM, DDR3 SO DIMM

TE Internal #: 1-1932680-0

TE Internal Description: VLP DDR3 DIMM 240POS. 1.0PITCH

DDR3 DIMM Sockets

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Connectors > Socket Connectors > Memory Sockets > DIMM Sockets > DDR3 DIMM Sockets



DRAM Type: **Double Data Rate (DDR) 3**

Connector System: **Board-to-Board**

Number of Positions: **240**

PCB Mounting Style: **Through Hole - Solder**

Module Orientation: **Vertical**

[All DDR3 DIMM Sockets \(13\)](#)

Features

Product Type Features

DRAM Type	Double Data Rate (DDR) 3
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Bays	2
Number of Keys	1
Number of Rows	2
Number of Positions	240
Module Orientation	Vertical

Electrical Characteristics

DRAM Voltage	1.5 V
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Body Features

PCB Retention Feature Material	Copper Alloy
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Ejector Material Color	Green
Ejector Material	Thermoplastic
Latch Color	Green
Ejector Location	Both Ends
Latch Material	Thermoplastic
Retention Post Location	Both Ends
Module Key Type	Offset Left
Ejector Type	Rotary

Contact Features

Memory Socket Type	Memory Card
Socket Style	DIMM
PCB Contact Termination Area Plating Material Thickness	2.54 μm [100 μin]
Contact Mating Area Plating Material Thickness	.51 μm [20 μin]
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.5 A

Termination Features

Insertion Style	Direct Insert
Termination Post & Tail Length	2.85 mm[.112 in]

Mechanical Attachment

Mating Alignment Type	Offset Left
Mating Alignment	Without
Mount Angle	Vertical
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
PCB Mounting Style	Through Hole - Solder
Connector Mounting Type	Board Mount

Housing Features

Housing Material	High Temperature Nylon
Housing Color	Black
Centerline (Pitch)	2 mm[.07 in]

Dimensions

Center Retention Hole Diameter	2.45 mm[.096 in]
Profile Height from PCB	21 mm[.82 in]
Row-to-Row Spacing	.95 mm[.037 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	54
Packaging Method	Soft Tray

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUN 2020 (209) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 260°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides

on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Also in the Series | **DDR3 DIMM**



[DIMM Sockets\(14\)](#)

Also in the Series | **DDR3 SO DIMM**



[DIMM Sockets\(9\)](#)



[SO DIMM Sockets\(3\)](#)

Documents

Product Drawings

[VLP DDR3 DIMM 240POS. 1.0PITCH](#)

English

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_1-1932680-0_A1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1932680-0_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1932680-0_A1.3d_stp.zip](#)

English

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Product Specifications



Product Specification

English