



DDR3 DIMM, DDR3 SO DIMM

TE Internal #: 1-1932000-0

Double Data Rate (DDR) 3, Board-to-Board, 240 Position, Through Hole - Solder, Vertical Module Orientation, DDR3 DIMM, 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

Termination Method to PCB: Through Hole - Solder

Module Orientation: Vertical

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

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

DRAM Voltage	1.5 V
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Body Features

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Retention Post Location	Center
Latch Color	Natural
Latch Material	Thermoplastic
PCB Retention Feature Material	Brass
Ejector Material Color	Natural
Module Key Type	Offset Left
Ejector Location	Both Ends
Ejector Material	High Temperature Nylon
Ejector Type	Standard

Contact Features

Contact Underplating Material	Nickel
Socket Style	DIMM
Contact Mating Area Plating Material Thickness	.38 µm[15 µin]
PCB Contact Termination Area Plating Material Thickness	3 µm[118.1 µin]
Contact Mating Area Plating Material	Gold (Au)
Memory Socket Type	Memory Card
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	.75 A

Termination Features

Insertion Style	Direct Insert
Termination Post & Tail Length	2.67 mm[.105 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Connector Mounting Type	Board Mount
PCB Mount Retention	With
Mount Angle	Vertical
PCB Mount Retention Type	Retention Clip/Post
Mating Alignment Type	Center
Mating Alignment	With

Housing Features

Housing Color	Black
Housing Material	High Temperature Nylon



Centerline (Pitch)	1 mm[.039 in]
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Dimensions

Center Retention Hole Diameter	1.8 mm[.07 in]
Profile Height from PCB	23.1 mm[.9 in]
Row-to-Row Spacing	1.9 mm[.075 in]

Usage Conditions

Operating Temperature Range	-55 – 155 °C[-67 – 311 °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	50
Packaging Method	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: JAN 2025 (247) Candidate List Declared Against: JUNE 2022 (224) 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>

Compatible Parts



TE Part # 2-2308107-7
DDR4 DIMM 288 PIN TH TYPE

Also in the Series | DDR3 DIMM



DIMM Sockets(9)

Also in the Series | DDR3 SO DIMM



DIMM Sockets(9)



SO DIMM Sockets(3)

Customers Also Bought



TE Part #1903601-2
DYNAMIC D-3100D V-HDR ASSY 8P
0.38AU



TE Part #2170704-3
CAGE ASSY, QSFP28 1X1, SPRING, HS



TE Part #2318579-1
RCPT CONN R/A SMT 76 POSN QSFP-
DD



TE Part #1551920-2
zQSFP+ connector assembly
DD



Documents

Product Drawings

VERTICAL DDR3 DIMM, 240 POSITION

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1932000-0_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1932000-0_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1932000-0_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

6-1773457-3_DDR3_DIMM_SOCKETS

Product Specifications

Product Specification

English

Agency Approvals

Agency Approval Document

English

