



DDR4 DIMM

TE Internal #: 2308107-1

DIMM Sockets, Double Data Rate (DDR) 4, Board-to-Bus Bar, 288 Position, Through Hole - Solder, Vertical Module Orientation, DDR4 DIMM

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Connectors > Socket Connectors > Memory Sockets > DIMM Sockets > DDR4 DIMM SOCKETS



DRAM Type: **Double Data Rate (DDR) 4**

Connector System: **Board-to-Bus Bar**

Number of Positions: **288**

Termination Method to Printed Circuit Board: **Through Hole - Solder**

Module Orientation: **Vertical**

[All DDR4 DIMM SOCKETS \(69\)](#)

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
DRAM Type	Double Data Rate (DDR) 4
Connector System	Board-to-Bus Bar

Configuration Features

Number of Keys	1
Number of Rows	2
Number of Positions	288
Module Orientation	Vertical

Electrical Characteristics

DRAM Voltage	1.2 V
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Body Features

PCB Retention Feature Material	Stainless Steel
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Ejector Material Color	Black
Ejector Location	Both Ends
Latch Material	High Temperature Thermoplastic
Ejector Material	High Temperature Thermoplastic
Latch Color	Black
Module Key Type	Offset Right
Connector Profile	Standard
Ejector Type	Standard

Contact Features

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

Termination Features

Insertion Style	Direct Insert
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Offset Right
Mating Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount

Housing Features

Housing Material	High Temperature Thermoplastic
Housing Color	Black
Centerline (Pitch)	.85 mm[.033 in]

Usage Conditions

Operating Temperature Range	-55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$]
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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 Method	Tray
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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 2024 (241) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 260°C

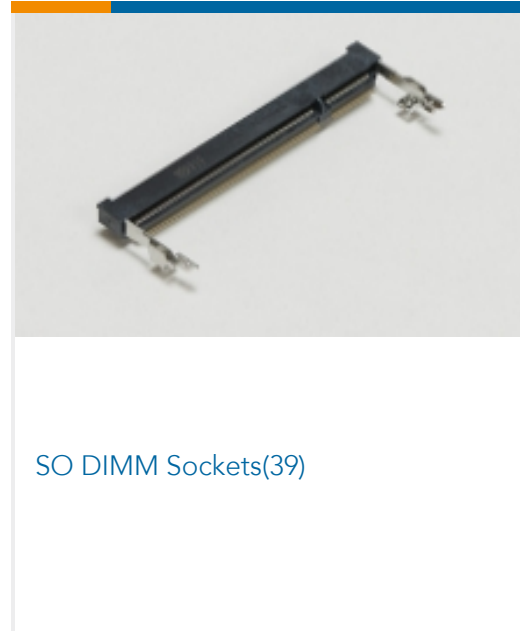
Product Compliance Disclaimer

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>

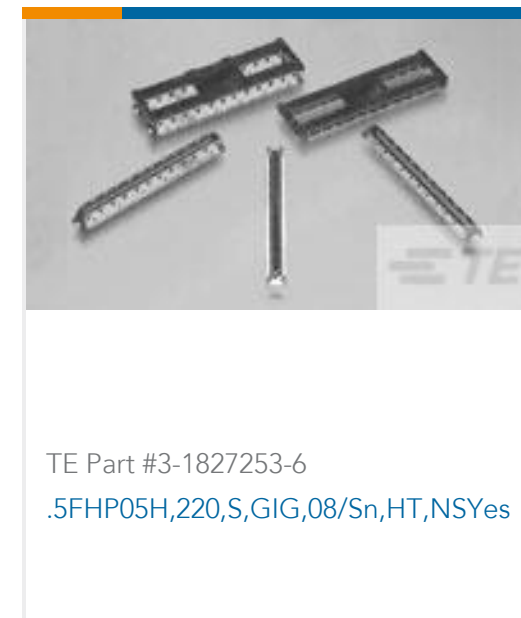
Compatible Parts



Also in the Series | **DDR4 DIMM**



Customers Also Bought





Documents

Product Drawings

[DDR4 DIMM 288 PIN TH TYPE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2308107-1_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2308107-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2308107-1_1.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English