



**DDR4 DIMM**

TE Internal #: 2199154-2

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

Orientation

[View on TE.com >](#)

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



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

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

Number of Positions: **288**

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

Module Orientation: **Vertical**

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

**Features**

**Product Type Features**

Center Post	With
DRAM Type	Double Data Rate (DDR) 4
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Socket

**Configuration Features**

Center Key	Offset Right
Number of Keys	1
Number of Bays	2
Number of Positions	288
Module Orientation	Vertical
Keying	Standard
Number of Rows	2

**Electrical Characteristics**

DRAM Voltage	1.2 V
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### Body Features

Ejector Material Color	Natural
Retention Post Material	Stainless Steel
Ejector Material	High Temperature Thermoplastic
Ejector Location	Both Ends
Latch Material	High Temperature Thermoplastic
Module Key Type	Offset Right
Latch Color	Black
Retention Post Location	None
Ejector Type	Standard

### Contact Features

Socket Style	DIMM
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.75 A
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
Solder Tail Contact Plating Thickness	3 $\mu\text{m}$ [118.1 $\mu\text{in}$ ]
Socket Type	Memory Card

### Termination Features

Insertion Style	Direct Insert
Termination Post Length	2.67 mm[.105 in]

### Mechanical Attachment

Locating Posts	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
PCB Mounting Style	Through Hole - Solder
Connector Mounting Type	Board Mount
Boardlock Material	Stainless Steel
Mounting Angle	Vertical

### Housing Features

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

### Dimensions

Center Retention Hole Diameter	1.2 mm[.047 in]
Height Above PC Board	20 mm[.787 in]
Row-to-Row Spacing	2.2 mm[.08 in]

### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °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	Box & Tray, Tray
Packaging Quantity	80

## 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	Not Yet Reviewed
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 2021 (211) Candidate List Declared Against: JUL 2019 (201) SVHC > Threshold: Not Yet Reviewed
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



TE Part # CAT-L59017-A76  
LGA 3647 SOCKETS

## Also in the Series | DDR4 DIMM



DIMM Sockets(69)



SO DIMM Sockets(39)

## Customers Also Bought



TE Part #2118721-4  
STD SHIELD COVER, AL-38.60X25.90X2.00MM



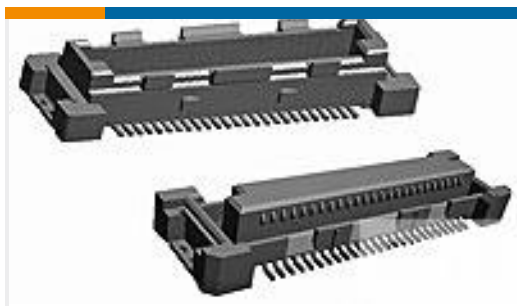
TE Part #413194-1  
BNC RF Connector: Male (Jack), Right-angle, 75 Ohm



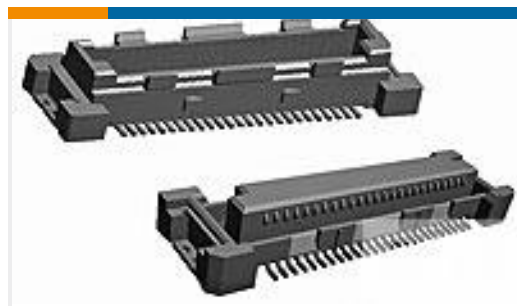
TE Part #2289129-3  
ZQSFP+ CAGE& CONN 2X2, EMI SPRING, 4 LP



TE Part #5748989-1  
D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm



TE Part #1-5353727-0  
[.6FHP08H,280,B,GIG,08/Sn,ST,NSYes](#)



TE Part #1-5353729-0  
[.6FHR04H,280,B,GIG,08/Sn,ST,NSYes](#)



TE Part #2085958-1  
[ICCON,SIZE 4,LOCKING PIN ASSEMBLY](#)



TE Part #5767025-1  
[MICTOR .707 PLUG ASSY, 38 POS.](#)



TE Part #NB19382001  
[RNF-100-1/8-YO-STK](#)



TE Part #5-2287906-1  
[FAKRA, 1 POS, EDGE MOUNT, 12 OCLOCK ASSY](#)

## Documents

### Product Drawings

[DDR4 DIMM 288 Pin TH type](#)

English

[DDR4 DIMM 288 Pin TH type](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2199154-2\\_C4.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2199154-2\\_C4.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2199154-2\\_C4.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[DDR4 DIMM Socket Flyer \(English\)](#)

English

[DDR4 DIMM Socket Flyer \(Chinese\)](#)

### Product Specifications

[Product Specification](#)



English