



## DDR4 DIMM

TE Internal #: 2309407-2

DDR4 DIMM, SO DIMM Sockets, Small Outline (SO), Stack Height .

157 in [4 mm], Right Angle Module Orientation, Surface Mount,

Cable-to-Board

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[Connectors](#) > [Socket Connectors](#) > [Memory Sockets](#) > [SO DIMM Sockets](#) > [DDR4 SO DIMM SOCKETS](#)



DRAM Type: **Small Outline (SO)**

Stack Height: **4 mm [ .157 in ]**

Module Orientation: **Right Angle**

PCB Mounting Style: **Surface Mount**

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

[All DDR4 SO DIMM SOCKETS \(39\)](#)

## Features

### Product Type Features

Center Post	Without
DRAM Type	Small Outline (SO)
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Socket

### Configuration Features

Center Key	Offset Left
Number of Keys	1
Module Orientation	Right Angle
Number of Positions	260
Number of Rows	2
Keying	Standard

### Electrical Characteristics

DRAM Voltage	1.2 V
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### Signal Characteristics



SGRAM Voltage	1.2 V
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### Body Features

Ejector Location	Both Ends
Latch Material	High Temperature Thermoplastic
Retention Post Location	Both Ends
Module Key Type	Offset Left
Ejector Type	Locking
Connector Profile	Low

### Contact Features

Socket Style	SO DIMM
PCB Contact Termination Area Plating Material	Gold Flash
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.127 $\mu\text{m}$ [5 $\mu\text{in}$ ]
Contact Current Rating (Max)	.5 A
Socket Type	Memory Card

### Termination Features

Insertion Style	Cam-In
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### Mechanical Attachment

PCB Mount Retention	With
PCB Mount Retention Type	Solder Peg
PCB Mounting Style	Surface Mount
Connector Mounting Type	Board Mount

### Housing Features

Centerline (Pitch)	.5 mm[.02 in]
Housing Color	Black
Housing Material	High Temperature Thermoplastic

### Dimensions

Stack Height	4 mm[.157 in]
Row-to-Row Spacing	8.2 mm[.322 in]

### Usage Conditions

Operating Temperature Range	-55 – 85 $^{\circ}\text{C}$ [-67 – 185 $^{\circ}\text{F}$ ]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Tape & Reel
Packaging Quantity	900

### 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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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	Reflow 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

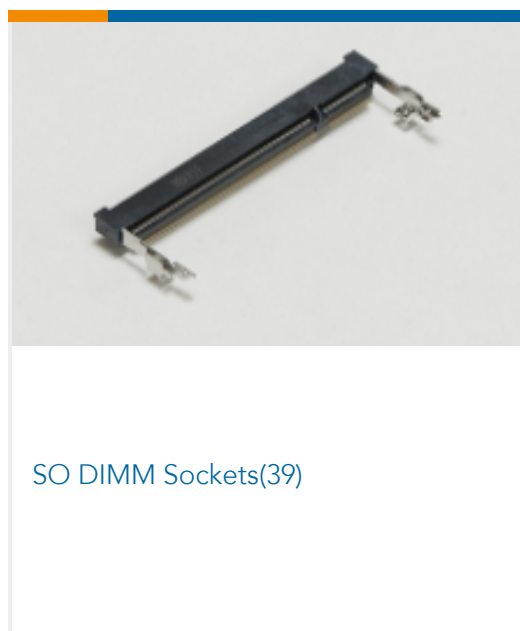


TE Part # 2309411-1  
DDR4 SODIMM 260P 8.0H STD

### Also in the Series | DDR4 DIMM



DIMM Sockets(69)



SO DIMM Sockets(39)

### Customers Also Bought



TE Part #1410189-3  
MULTIGIG RT T2 7RW H-LFT,ET2



TE Part #1410187-3  
MULTIGIG RT T2 7RW DC DF CT



TE Part #102398-4  
12 AMPMODU MT ASSY DR .100CL



TE Part #1410326-3  
MULTIGIG RT T2 7RW DC DF CT



TE Part #8-2176306-1  
RP 1E 0.1W 7K87 0.1% 25PPM 5K RL



TE Part #1-776262-4  
14 POS AMPSEAL VERTICAL HDR



TE Part #1-1735413-1  
Assembly Slimline SATA Receptacle  
7P+6P



TE Part #1218434-4  
R/A RCP ASSY 37 POS SER 109



TE Part #1-2132230-4  
EP2.5 Shrouded HDR ASSY 14P VE



## Documents

### Product Drawings

[DDR4 SODIMM 260P 4.0H STD](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2309407-2\\_1.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2309407-2\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2309407-2\\_1.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English