



DDR4 DIMM

TE Internal #: 2309407-1

SO DIMM Sockets, Small Outline (SO), Stack Height .157 in [4 mm],

Right Angle Module Orientation, 260 Position, DDR4 DIMM

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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**

Number of Positions: **260**

Centerline (Pitch): **.5 mm, 2.1 mm [ .02 in, .082 in ]**

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

**Features**

**Product Type Features**

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector System                  | Cable-to-Board        |
| Connector & Contact Terminates To | Printed Circuit Board |
| DRAM Type                         | Small Outline (SO)    |

**Configuration Features**

|                     |             |
|---------------------|-------------|
| Number of Keys      | 1           |
| Number of Rows      | 2           |
| Module Orientation  | Right Angle |
| Number of Positions | 260         |

**Electrical Characteristics**

|              |       |
|--------------|-------|
| DRAM Voltage | 1.2 V |
|--------------|-------|

**Signal Characteristics**

|               |       |
|---------------|-------|
| SGRAM Voltage | 1.2 V |
|---------------|-------|

**Body Features**

|                         |                                |
|-------------------------|--------------------------------|
| Ejector Location        | Both Ends                      |
| Retention Post Material | Stainless Steel                |
| Latch Material          | High Temperature Thermoplastic |



|                         |           |
|-------------------------|-----------|
| Retention Post Location | Both Ends |
|-------------------------|-----------|

|                 |             |
|-----------------|-------------|
| Module Key Type | Offset Left |
|-----------------|-------------|

|              |         |
|--------------|---------|
| Ejector Type | Locking |
|--------------|---------|

|                   |     |
|-------------------|-----|
| Connector Profile | Low |
|-------------------|-----|

### Contact Features

|                    |             |
|--------------------|-------------|
| Memory Socket Type | Memory Card |
|--------------------|-------------|

|   |            |
|---|------------|
| PCB Contact Termination Area Plating Material | Gold Flash |
|---|------------|

|                       |              |
|-----------------------|--------------|
| Contact Base Material | Copper Alloy |
|-----------------------|--------------|

|                              |      |
|------------------------------|------|
| Contact Current Rating (Max) | .5 A |
|------------------------------|------|

|                                      |            |
|--------------------------------------|------------|
| Contact Mating Area Plating Material | Gold Flash |
|--------------------------------------|------------|

### Termination Features

|                 |        |
|-----------------|--------|
| Insertion Style | Cam-In |
|-----------------|--------|

|   |               |
|---|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---|---------------|

### Mechanical Attachment

|                       |                 |
|-----------------------|-----------------|
| Mating Alignment Type | Standard Keying |
|-----------------------|-----------------|

|                     |      |
|---------------------|------|
| PCB Mount Retention | With |
|---------------------|------|

|                          |            |
|--------------------------|------------|
| PCB Mount Retention Type | Solder Peg |
|--------------------------|------------|

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

### Housing Features

|                  |                                |
|------------------|--------------------------------|
| Housing Material | High Temperature Thermoplastic |
|------------------|--------------------------------|

|               |       |
|---------------|-------|
| Housing Color | Black |
|---------------|-------|

|                    |                                 |
|--------------------|---------------------------------|
| Centerline (Pitch) | .5 mm, 2.1 mm [.02 in][.082 in] |
|--------------------|---------------------------------|

### Dimensions

|              |                |
|--------------|----------------|
| Stack Height | 4 mm [.157 in] |
|--------------|----------------|

|                    |                  |
|--------------------|------------------|
| Row-to-Row Spacing | 8.2 mm [.322 in] |
|--------------------|------------------|

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 85 °C [-67 – 185 °F] |
|-----------------------------|----------------------------|

### Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

### Packaging Features



|                    |             |
|--------------------|-------------|
| Packaging Quantity | 900         |
| Packaging Method   | Tape & Reel |

### 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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>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  |





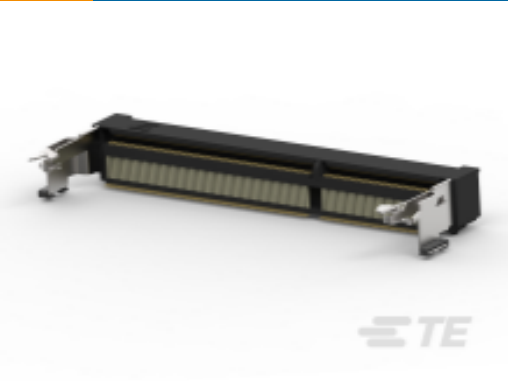






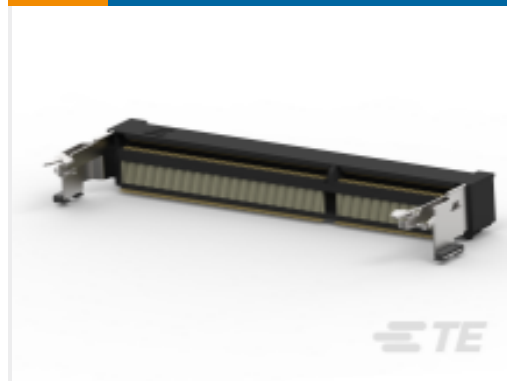




#### Product Compliance Disclaimer

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

|   |  |   |   |
|---|--|---|---|
|  <p>TE Part # CAT-D33037-SO1339<br/>DDR3 SO DIMM Sockets</p> |  <p>TE Part # CAT-D3301-SO1339<br/>DDR2 SO DIMM Sockets</p> |  <p>TE Part # 2-2013022-1<br/>EMBOSS TAPE DDR3 204P 4H STD</p> |  <p>TE Part # 2-2013297-1<br/>EMBOSS TAPE DDR3 204P 8H STD</p> |
|---|--|---|---|



|   |  |   |  |
|---|--|---|--|
|  <p>TE Part # 2-2013289-1<br/>EMBOSS TAPE DDR3 204P 5.2H STD</p>           |  <p>TE Part # 2013289-1<br/>SEMI-HARD TRAY DDR3 204P 5.2H STD</p>          |  <p>TE Part # 2-2013290-1<br/>EMBOSS TAPE DDR3 204P 5.2H RVS</p>           |  <p>TE Part # 2-2013287-1<br/>EMBOSS TAPE DDR3 204P 4H RVS</p>            |
|  <p>TE Part # 2-2013310-1<br/>EMBOSS TAPE DDR3 204P 9.2H STD</p>          |  <p>TE Part # 2-2013311-1<br/>EMBOSS TAPE DDR3 204P 9.2H RVS</p>          |  <p>TE Part # 2013022-1<br/>SEMI-HARD TRAY DDR3 204P 4H STD</p>           |  <p>TE Part # 2013289-2<br/>SEMI-HARD TRAY DDR3 204P 5.2H STD Au0.25</p> |
|  <p>TE Part # 2013290-1<br/>SEMI-HARD TRAY DDR3 204P 5.2H RVS</p>        |  <p>TE Part # 2013311-3<br/>SEMI-HARD TRAY DDR3 204P 9.2H RVS Au0.76</p> |  <p>TE Part # 2013297-1<br/>SEMI-HARD TRAY DDR3 204P 8H ST</p>           |  <p>TE Part # 2-2013310-2<br/>EMBOSS TAPE DDR3 204P 9.2H STD</p>        |
|  <p>TE Part # 2-2013289-3<br/>EMBOSS TAPE DDR3 204P 5.2H STD Au 0.76</p> |  <p>TE Part # 2-2013290-2<br/>EMBOSS TAPE DDR3 204P 5.2H RVS Au 0.25</p> |  <p>TE Part # 2-2013289-2<br/>EMBOSS TAPE DDR3 204P 5.2H STD Au 0.25</p> |  <p>TE Part # 2-2013297-3<br/>EMBOSS TAPE DDR3 204P 8H STD Au 0.76</p>  |

Also in the Series | **DDR4 DIMM**

|   |   |
|---|---|
|  <p>DIMM Sockets(69)</p> |  <p>SO DIMM Sockets(39)</p> |
|---|---|

Customers Also Bought



TE Part #5414337-1  
JACK,RTANG,SMB/PCB



TE Part #2309414-1  
DDR4 SODIMM 260P 9.2H RVS



TE Part #2170088-2  
ZSFP+ Connector,15u"



TE Part #2-1437565-8  
FSM2JSMAA=TACTILE 260G FORCE S



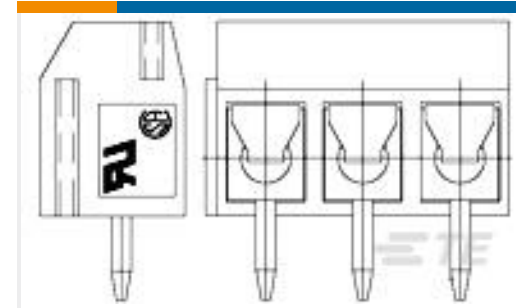
TE Part #2007464-1  
SFP+ 1x1 Cage Assy, PF,with Heatsink



TE Part #1888968-1  
Cage Assy PCI Hsink QSFP Behind Bezel



TE Part #1888968-2  
Cage Assy SAN Hsink QSFP Behind Bezel



TE Part #1-1776244-0  
10P TB ,90deg, VT, 5mm, Blue,w /interlock

## Documents

### Product Drawings

#### DDR4 SODIMM 260P 4.0H STD

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2309407-1\\_1.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2309407-1\\_1.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2309407-1\\_1.3d\\_stp.zip](#)

English

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### Product Specifications

#### Application Specification

English