



Connectors > Socket Connectors > Memory Sockets > SO DIMM Sockets > DDR3 SO DIMM Sockets



DRAM Type: **Small Outline (SO)**  
Stack Height: **5.2 mm [ .205 in ]**  
Module Orientation: **Right Angle**  
Number of Positions: **144**  
Centerline (Pitch): **.8 mm [ .031 in ]**

[All DDR3 SO DIMM Sockets \(12\)](#)

Features

Product Type Features

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

Configuration Features

|                     |             |
|---------------------|-------------|
| Number of Bays      | 2           |
| Number of Keys      | 1           |
| Number of Rows      | 2           |
| Module Orientation  | Right Angle |
| Number of Positions | 144         |

Electrical Characteristics

|              |       |
|--------------|-------|
| DRAM Voltage | 3.3 V |
|--------------|-------|

Body Features

|  |  |
|--|--|
|  |  |
|--|--|



|                        |                 |
|------------------------|-----------------|
| Latch Plating Material | Tin             |
| Latch Material         | Stainless Steel |
| Module Key Type        | SDRAM           |
| Ejector Location       | None            |
| Connector Profile      | Standard        |

Contact Features

|                                                |                  |
|------------------------------------------------|------------------|
| Memory Socket Type                             | Memory Card      |
| Contact Base Material                          | Copper Alloy     |
| PCB Contact Termination Area Plating Material  | Gold Flash       |
| Contact Mating Area Plating Material           | Gold (Au)        |
| Contact Mating Area Plating Material Thickness | .25 µm[9.84 µin] |

Termination Features

|                           |               |
|---------------------------|---------------|
| Insertion Style           | Cam-In        |
| Termination Method to PCB | Surface Mount |

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| Connector Mounting Type  | Board Mount    |
| PCB Mount Retention Type | Hold-Down Post |
| Mating Alignment Type    | Offset Left    |
| PCB Mount Retention      | With           |

Housing Features

|                    |                          |
|--------------------|--------------------------|
| Housing Material   | High Temperature Plastic |
| Housing Color      | Natural                  |
| Centerline (Pitch) | .8 mm[.031 in]           |

Dimensions

|                    |                 |
|--------------------|-----------------|
| Stack Height       | 5.2 mm[.205 in] |
| Row-to-Row Spacing | 6.2 mm[.244 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

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



Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 20   |
| 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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F < 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





Also in the Series | AMP-METRIMATE

|                                         |                                 |                       |                                    |
|-----------------------------------------|---------------------------------|-----------------------|------------------------------------|
|                                         |                                 |                       |                                    |
| Board-to-Board Headers & Receptacles(1) | Card Edge Power Connectors(1)   | Connector Hardware(1) | PCB Headers & Receptacles(1)       |
|                                         |                                 |                       |                                    |
| Rack & Panel Connectors(1)              | Rectangular Power Connectors(3) | RJ45 Connectors(39)   | Standard Rectangular Connectors(2) |

Customers Also Bought

|                                                    |                                         |                                                      |                                                      |
|----------------------------------------------------|-----------------------------------------|------------------------------------------------------|------------------------------------------------------|
|                                                    |                                         |                                                      |                                                      |
| TE Part #100616-1<br>8/8 MOD.JACK ASSY TE SHIELDED | TE Part #735398<br>ELECTRO-TAP ASSY     | TE Part #826469-6<br>2X6P MOD II SHROUDED HEADER, ST | TE Part #1274571-1<br>JACK, VERTICAL, PCB, MINI BNC  |
|                                                    |                                         |                                                      |                                                      |
| TE Part #6-1415027-1<br>SR6D4024                   | TE Part #1623776-3<br>MPC5 1K0 5%       | TE Part #5173279-3<br>MINI MITE PLUG ASSY 50P (V)    | TE Part #5173280-3<br>AMPLIMITE.050 CAP ASS'Y (V) 50 |
|                                                    |                                         |                                                      |                                                      |
| TE Part #3-5338556-1<br>8/8 MOD JACK ASSY SE       | TE Part #1-6609053-1<br>15EHT1=F7669 S0 |                                                      |                                                      |



Documents

Product Drawings

SKT,SODIMM,144P,SDRAM3.3V,STD,TY-S

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_390113-1\_H.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_390113-1\_H.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_390113-1\_H.3d\_stp.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English