

6-390112-1 ✓ ACTIVE

## AMP-METRIMATE

TE Internal #: 6-390112-1

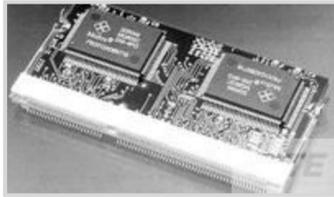
SO DIMM Sockets, Small Outline (SO), Stack Height .22 in [5.6 mm],

Right Angle Module Orientation, 144 Position, AMP-METRIMATE

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[Connectors >](#) [Socket Connectors >](#) [Memory Sockets >](#) [SO DIMM Sockets >](#) [DDR3 SO DIMM Sockets](#)



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

Stack Height: **5.6 mm [ .22 in ]**

Module Orientation: **Right Angle**

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

Number of Positions: **144**

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

## Features

### Product Type Features

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

### 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

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



### Contact Features

|  |  |
|--|--|
| Memory Socket Type                             | Memory Card                              |
| 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 | .25 $\mu\text{m}$ [9.84 $\mu\text{in}$ ] |

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

|                    |                 |
|--------------------|-----------------|
| Stack Height       | 5.6 mm[.22 in]  |
| Row-to-Row Spacing | 6.2 mm[.244 in] |

### Usage Conditions

|                             |  |
|-----------------------------|--|
| Operating Temperature Range | -55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$ ] |
|-----------------------------|--|

### Operation/Application

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

### Industry Standards

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

### Packaging Features

|                    |             |
|--------------------|-------------|
| Packaging Quantity | 200         |
| 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: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<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>

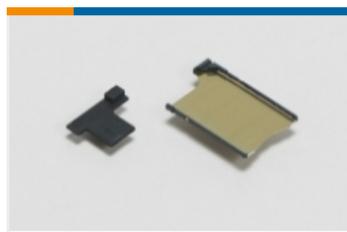
## Compatible Parts



Also in the Series | [AMP-METRIMATE](#)



Card Edge Power Connectors(1)



Card Guide Hardware(1)



PCB Headers &amp; Receptacles(3)



Rack &amp; Panel Connectors(1)



Rectangular Power Connectors(9)



RJ45 Connectors(51)



SO DIMM Sockets(12)

## Documents

### Product Drawings

[SKT,SODIMM,144P,SDRAM3.3V,HIGH,T&R](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6-390112-1\\_AB.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-390112-1\\_AB.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-390112-1\\_AB.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