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Part Number:

0783150011

Status:

Active

Overview:

DDR3 DIMM Sockets

Description:

1.00mm Pitch Aerodynamic DDR3 DIMM Socket, Very Low Profile, Vertical, Press-Fit, with Pegs, Black Housing and Latches, 0.76µm Gold (Au Plating, 2.85mm Compliant Pin Length, 2.60mm PCB Thickness, 240 Circuits, Lead-Free

Documents:

3D Model

Application Specification AS-78315-001-001 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-78315-001-001 (PDF)

|                                |                              |
|--------------------------------|------------------------------|
| Agency Certification           |                              |
| CSA                            | LR19980                      |
| UL                             | E29179                       |
| Application tooling part link  |                              |
| Application Tooling Part Link  | 62201-8656                   |
| Application Tooling Part Link  | 62202-3800                   |
| General                        |                              |
| Product Family                 | Memory Module Sockets        |
| Series                         | 78315                        |
| Component Type                 | Socket                       |
| JEDEC Outline                  | SO-012                       |
| Overview                       | DDR3 DIMM Sockets            |
| Product Name                   | DDR3 DIMM                    |
| UPC                            | 884982126671                 |
| Physical                       |                              |
| Circuits (Loaded)              | 240                          |
| Circuits (maximum)             | 240                          |
| Durability (mating cycles max) | 25                           |
| Entry Angle                    | Vertical                     |
| Flammability                   | 94V-0                        |
| Housing Color                  | Black                        |
| Keying to Mating Part          | Yes                          |
| Latch Color                    | Black                        |
| Material - Metal               | Copper Alloy                 |
| Material - Plating Mating      | Gold over Nickel             |
| Material - Plating Termination | Tin                          |
| Material - Resin               | Nylon                        |
| Net Weight                     | 7.595/g                      |
| PC Tail Length                 | 2.85mm                       |
| PCB Locator                    | Yes                          |
| PCB Retention                  | Yes                          |
| PCB Thickness - Recommended    | 2.60mm                       |
| Packaging Type                 | Tray                         |
| Pitch - Mating Interface       | 1.00mm                       |
| Pitch - Termination Interface  | 1.00mm                       |
| Plating min - Mating           | 0.762µm                      |
| Plating min - Termination      | 0.381µm                      |
| Temperature Range - Operating  | -55° to +85°C                |
| Termination Interface: Style   | Through Hole - Compliant Pin |

|                               |                 |
|-------------------------------|-----------------|
| Electrical                    |                 |
| Current - Maximum per Contact | 1.0A            |
| Voltage - Maximum             | 30V AC (RMS)/DC |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/71/2019 (16 July 2019)                 |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Not Low-Halogen                                               |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

78315 Series

Mates With

JEDEC Standard 1.27mm Modules

Application Tooling | [FAQ](#)

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

|                   |           |
|-------------------|-----------|
| Global            |           |
| Description       | Product # |
| DDR3 DIMM         | 622018656 |
| Memory Module     |           |
| Installation Tool |           |
| DDR3 DIMM         | 622023800 |
| Memory Module     |           |
| Extraction Tool   |           |

|                                    |                  |
|------------------------------------|------------------|
| Voltage Key                        | Center           |
| <b>Solder Process Data</b>         |                  |
| Lead-freeProcess Capability        | N/A              |
| <b>Material Info</b>               |                  |
| <b>Reference - Drawing Numbers</b> |                  |
| Application Specification          | AS-78315-001-001 |
| Product Specification              | PS-78315-001-001 |
| Sales Drawing                      | SD-78315-001-001 |

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