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Part Number:

0783150001

Status:

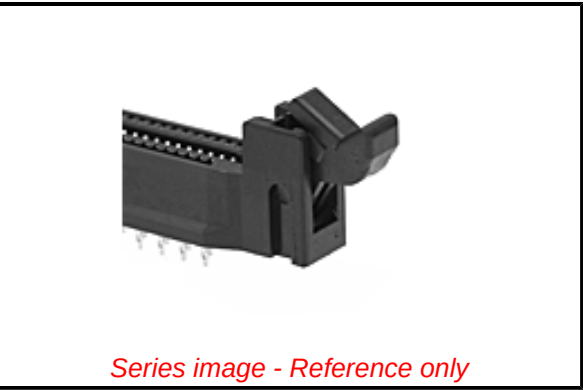
Active

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, 1.85mm Compliant Pin Length, 2.40mm PCB Thickness, 240 Circuits, Lead-Free



|                                |                                                                  |
|--------------------------------|------------------------------------------------------------------|
| Documents:                     |                                                                  |
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-78315-001-001 (PDF)</a>     |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Application Specification AS-78315-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

|                                |                              |
|--------------------------------|------------------------------|
| 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                            | 800756929507                 |
| 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                         |
| Material - Plating Termination | Tin                          |
| Material - Resin               | Nylon                        |
| Net Weight                     | 7.501/g                      |
| PC Tail Length                 | 1.85mm                       |
| PCB Locator                    | Yes                          |
| PCB Retention                  | Yes                          |
| PCB Thickness - Recommended    | 2.40mm                       |
| 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              |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2021)4569-DC (8 July 2021)              |               |
| 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       | 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                   |
| Electrical Model Document          | EE-78315-002-001, EE-78315-003-001 |
| Product Specification              | PS-78315-001-001                   |
| S-Parameter Model                  | SP-78315-002-001, SP-78315-003-001 |
| Sales Drawing                      | SD-78315-001-001                   |

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