



Part Number : 877822005

Product Description : 0.60mm Pitch miniDIMM DDR2 Socket, Vertical, Surface Mount, 0.76µm Gold (Au) over Nickel, 1.8V, with Pick and Place Cover, 244 Circuits, Natural (Off White) Latch, Type A Tray, Lead-Free

Series Number : 87782

Status : Active

Product Category : Memory Module Connectors

## Documents & Resources

### Drawings

- [Drawing 877822005\\_sd.pdf](#)
- [Packaging Design Drawing PK-87782-004-001.pdf](#)

### 3D Models and Design Files

- [3D Model 877822005\\_stp.zip](#)
- [Electrical Model Document EE-87782-001-001.pdf](#)
- [Electrical Model Document EE-87782-002-001.pdf](#)
- [Electrical Model Document EE-87782-003-001.pdf](#)
- [Electrical Model Document EE-87782-007-001.pdf](#)
- [S-Parameter Model SP-87782-001-001.zip](#)
- [S-Parameter Model SP-87782-007-001.zip](#)

### Specifications

- [Application Specification AS-87782-001-001.pdf](#)
- [Product Specification PS-87782-027-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                    |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant per EU 2015/863                                                             |

## Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                                                                            |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                     |
| Category       | Memory Module Connectors                                                                                                                                                                   |
| Series         | 87782                                                                                                                                                                                      |
| Description    | 0.60mm Pitch miniDIMM DDR2 Socket, Vertical, Surface Mount, 0.76µm Gold (Au) over Nickel, 1.8V, with Pick and Place Cover, 244 Circuits, Natural (Off White) Latch, Type A Tray, Lead-Free |
| Comments       | With Cap                                                                                                                                                                                   |
| Component Type | Socket                                                                                                                                                                                     |
| JEDEC Outline  | MO-244                                                                                                                                                                                     |
| Product Family | MiniDIMM Sockets                                                                                                                                                                           |
| Product Name   | MiniDIMM                                                                                                                                                                                   |
| UPC            | 800756730776                                                                                                                                                                               |

#### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

#### Electrical

|                               |           |
|-------------------------------|-----------|
| Current - Maximum per Contact | 1.0A      |
| Voltage Key                   | 1.8V      |
| Voltage - Maximum             | 30V (RMS) |

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 244                            |
| Circuits (maximum)             | 244                            |
| Durability (mating cycles max) | 25                             |
| Entry Angle                    | Vertical (Top Entry)           |
| Flammability                   | 94V-0                          |
| Housing Color                  | Black                          |
| Keying to Mating Part          | Yes                            |
| Latch Color                    | Natural (Off-White)            |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 5.902/g                        |
| Packaging Type                 | Tray                           |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| Pitch - Mating Interface       | 0.60mm                         |
| Pitch - Termination Interface  | 0.60mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 2.540µm                        |
| Temperature Range - Operating  | -55° to +85°C                  |
| Termination Interface Style    | Surface Mount                  |

## Solder Process Data

|                              |          |
|------------------------------|----------|
| Max-Duration                 | 5        |
| Lead-Free Process Capability | SMC&WAVE |
| Max-Cycle                    | 2        |
| Max-Temp                     | 260      |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|-------------|-------------|
|-------------|-------------|

|            |                      |
|------------|----------------------|
| Mates With | JEDEC MO-244 Modules |
|------------|----------------------|

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