



Part Number : 1708142006


Series Number : 170814
Product Category : Board-to-Board
Connectors

Product Description : NeoScale High-Speed
Mezzanine Receptacle, 2.80mm Pitch, 8x22,
176 Triads-100 Ohm (528 Circuits), 18.00mm
Connector Height
Status : Obsolete

Documents & Resources

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | 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

Part Details

General

| | |
|--------|----------|
| Status | Obsolete |
|--------|----------|

| | |
|----------------|---|
| Category | Board-to-Board Connectors |
| Series | 170814 |
| Description | NeoScale High-Speed Mezzanine Receptacle, 2.80mm Pitch, 8x22, 176 Triads-100 Ohm (528 Circuits), 18.00mm Connector Height |
| Application | Board-to-Board, Signal |
| Component Type | PCB Receptacle |
| Product Family | NeoScale Mezzanine System |
| Product Name | NeoScale |
| UPC | 887191282879 |

Agency

| | |
|----|--------|
| UL | E29179 |
|----|--------|

Electrical

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|-------------------------------|--------------|
| Current - Maximum per Contact | 1.0A |
| Grounding to PCB | No |
| Voltage - Maximum | 30V AC (RMS) |

Physical

| | |
|--------------------------------|------------------------------|
| Circuits (Loaded) | 528 |
| Circuits (maximum) | 528 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | None |
| Lock to Mating Part | No |
| Material - Metal | High Performance Alloy (HPA) |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 46.926/g |
| Number of Rows | 8 |

| | |
|-------------------------------|----------------|
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | Yes |
| PCB Retention | Yes |
| Pitch - Mating Interface | 2.80mm |
| Pitch - Termination Interface | 2.80mm |
| Plating min - Mating | 0.762μm |
| Plating min - Termination | 2.540μm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Temperature Range - Operating | -55° to +85°C |
| Termination Interface Style | Solder or Weld |

Solder Process Data

| | |
|------------------------------|--------|
| Max-Duration | 40 |
| Lead-Free Process Capability | REFLOW |
| Max-Cycle | 2 |
| Max-Temp | 260 |