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Part Number:

1708070039

Status:

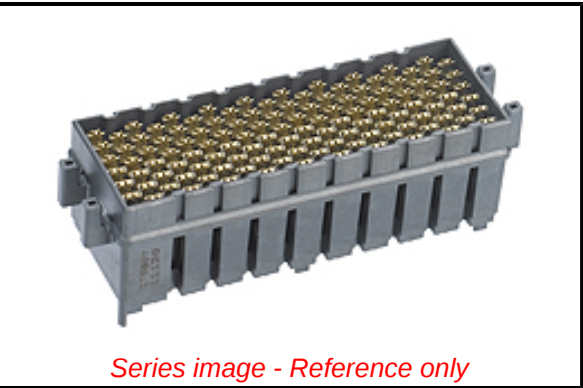
Active

Overview:

NeoScale Mezzanine System

Description:

NeoScale High-Speed Mezzanine Plug, 2.80mm Pitch, 4x18, 72 Triads-85 Ohm (216 Circuits), 7.00mm Connector Height



Documents:

3D Model

Drawing (PDF)

3D Model (PDF)

Packaging Specification PK-170807-002-001 (PDF)

Datasheet (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                              |
|--------------------------------|------------------------------|
| General                        |                              |
| Product Family                 | PCB Headers                  |
| Series                         | 170807                       |
| Application                    | Board-to-Board, Signal       |
| Overview                       | NeoScale Mezzanine System    |
| Product Name                   | NeoScale                     |
| Taxonomy                       | Board-to-Board Connectors    |
| UPC                            | 889056275231                 |
| Physical                       |                              |
| Breakaway                      | No                           |
| Circuits (Loaded)              | 216                          |
| Circuits (maximum)             | 216                          |
| Color - Resin                  | Black                        |
| Durability (mating cycles max) | 100                          |
| First Mate / Last Break        | No                           |
| 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                     | 10.391/g                     |
| Number of Rows                 | 4                            |
| Orientation                    | Vertical                     |
| PCB Locator                    | Yes                          |
| PCB Retention                  | Yes                          |
| Packaging Type                 | Tray                         |
| 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                          |
| Robotic Placement              | Pick and Place Cap           |
| Shrouded                       | Yes                          |
| Stackable                      | Yes                          |
| Surface Mount Compatible (SMC) | Yes                          |
| Temperature Range - Operating  | -55° to +85°C                |
| Termination Interface: Style   | Solder or Weld               |
| Electrical                     |                              |
| Current - Maximum per Contact  | 1.0A                         |
| Voltage - Maximum              | 30V AC (RMS)                 |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

Green Image

REACH SVHC

Not Contained Per - D(2022)4187-DC (10 June 2022)

Halogen-Free

Not Relevant

Status

Low-Halogen

For more information, please visit

Contact US

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

170807 Series

Mates With

NeoScale High-Speed Mezzanine Receptacle 1708140039

**Solder Process Data**

|                                                |        |
|------------------------------------------------|--------|
| Duration at Max. Process Temperature (seconds) | 020    |
| Lead-freeProcess Capability                    | REFLOW |
| Max. Cycles at Max. Process Temperature        | 001    |
| Process Temperature max. C                     | 260    |

**Material Info**

**Reference - Drawing Numbers**

|                         |                    |
|-------------------------|--------------------|
| Packaging Specification | PK-170807-002-001  |
| Sales Drawing           | SD-170807-0036-001 |

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