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Part Number:

1708072008

Status:

Active

Overview:

NeoScale® High-Speed Mezzanine System

Description:

NeoScale™ High-Speed Mezzanine Plug, 2.80mm Pitch, 6x12, 72 Triads (216 Circuits), 12.00mm Connector Height, 0.76µm Gold (Au) Plating

Documents:

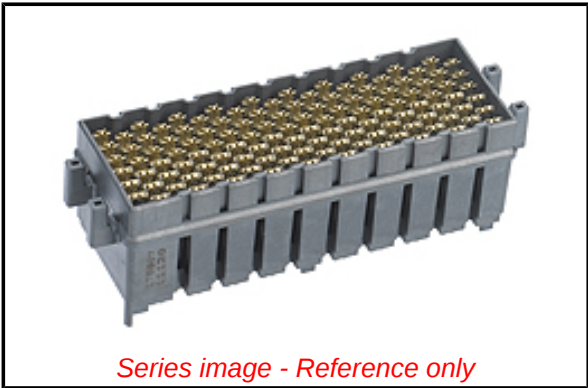
3D Model

Drawing (PDF)

Product Specification PS-170807-0001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                       |
|--------------------------------|---------------------------------------|
| Agency Certification           |                                       |
| UL                             | E29179                                |
| General                        |                                       |
| Product Family                 | PCB Headers                           |
| Series                         | 170807                                |
| Application                    | Board-to-Board, Signal                |
| Electrical Model               | No                                    |
| Overview                       | NeoScale® High-Speed Mezzanine System |
| Product Name                   | NeoScale™                             |
| UPC                            | 887191540757                          |
| Physical                       |                                       |
| Breakaway                      | No                                    |
| Circuits (Loaded)              | 216                                   |
| Circuits (maximum)             | 216                                   |
| Color - Resin                  | Black                                 |
| Durability (mating cycles max) | 100                                   |
| First Mate / Last Break        | No                                    |
| Flammability                   | 94V-0                                 |
| Glow-Wire Compliant            | No                                    |
| Guide to Mating Part           | Yes                                   |
| Keying to Mating Part          | Yes                                   |
| Lock to Mating Part            | No                                    |
| Material - Metal               | High Performance Alloy (HPA)          |
| Material - Plating Mating      | Gold                                  |
| Material - Resin               | High Temperature Thermoplastic        |
| Net Weight                     | 13.967/g                              |
| Number of Rows                 | 6                                     |
| Orientation                    | Vertical                              |
| PC Tail Length                 | 1.30mm                                |
| PCB Locator                    | Yes                                   |
| PCB Retention                  | Yes                                   |
| Packaging Type                 | Tray                                  |
| Pitch - Mating Interface       | 2.80mm                                |
| Plating min - Mating           | 0.762µm                               |
| 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°C to +85°C                        |
| Termination Interface: Style   | Solder or Weld                        |
| Electrical                     |                                       |
| Current - Maximum per Contact  | 1.0A                                  |



EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/21/2016 (20 June 2016)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Green Image

ELV

Compliant

Search Parts in this Series

170807 Series

Mates With

170814 2.80mm Pitch NeoScale™ PCB Receptacles

Voltage - Maximum30V AC (RMS)

Solder Process Data

Duration at Max. Process Temperature (seconds)020  
Lead-freeProcess CapabilityREFLOW  
Max. Cycles at Max. Process Temperature002  
Process Temperature max. C260

Material Info

Reference - Drawing Numbers

Electrical Model DocumentEE-170807-2020, EE-170807-2030  
Product SpecificationPS-170807-0001  
S-Parameter ModelSP-170807-2020, SP-170807-2030  
Sales DrawingSD-170807-2016, SD-170807-2026

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