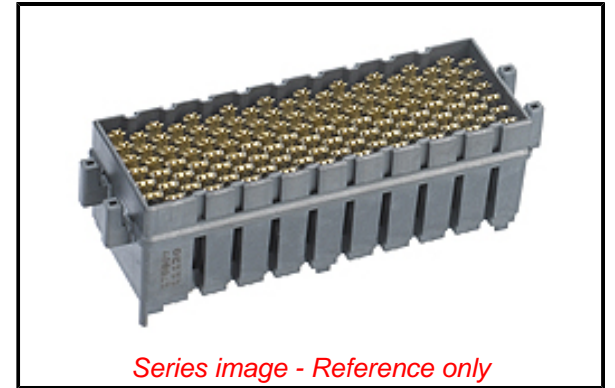


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Part Number: [1708072017](#)
Status: **Active**
Overview: [NeoScale Mezzanine System](#)
Description: NeoScale High-Speed Mezzanine Plug, 2.80mm Pitch, 6x20, 120 Triads-100 Ohm (360 Circuits), 18.00mm Connector Height

Documents:

| | |
|--|---|
| 3D Model | Packaging Specification PK-170807-002-001 (PDF) |
| Drawing (PDF) | Datasheet (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-170807-0001 (PDF) | |



General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 170807 |
| Application | Board-to-Board, Signal |
| Overview | NeoScale Mezzanine System |
| Product Name | NeoScale |
| UPC | 889056154765 |

Physical

| | |
|--------------------------------|------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 360 |
| Circuits (maximum) | 360 |
| 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 | 28.829/g |
| Number of Rows | 6 |
| 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

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[170807 Series](#)

Mates With

NeoScale High-Speed Mezzanine
Receptacle [1708142009](#) , [1708142017](#)

Solder Process Data

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

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|--------------------|
| Electrical Model Document | 1708072126-000 |
| Packaging Specification | PK-170807-002-001 |
| Product Specification | PS-170807-0001 |
| Sales Drawing | SD-170807-0004-001 |

This document was generated on 09/29/2020

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