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Part Number: [1708142002](#)
Status: **Active**
Overview: NeoScale High-Speed Mezzanine System
Description: NeoScale High-Speed Mezzanine Receptacle, 2.80mm Pitch, 6x24, 144 Triads (432 Circuits), 8.00mm Connector Height, 0.76µm Gold (Au) Plating

Documents:

[3D Model](#) [Packaging Specification PK-170814-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-170807-0001 \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family PCB Receptacles
 Series [170814](#)
 Application Board-to-Board, Signal
 Electrical Model No
 Overview [NeoScale High-Speed Mezzanine System](#)
 Product Name NeoScale
 UPC 887191226613

Physical

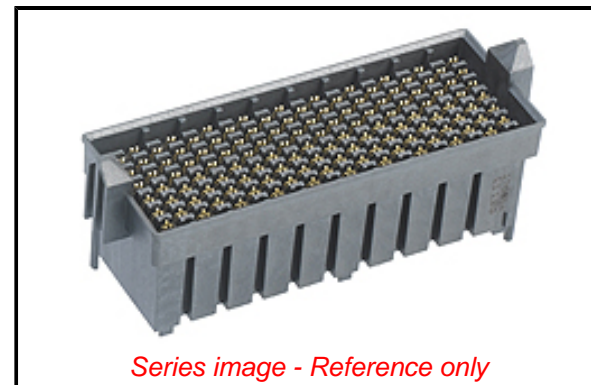
Circuits (Loaded) 432
 Circuits (maximum) 432
 Color - Resin Black
 Durability (mating cycles max) 100
 Flammability 94V-0
 Glow-Wire Capable No
 Guide to Mating Part Yes
 Keying to Mating Part Yes
 Lock to Mating Part No
 Material - Metal High Performance Alloy (HPA)
 Material - Plating Mating Gold
 Material - Resin High Temperature Thermoplastic
 Net Weight 18.592/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
 Temperature Range - Operating -55° to +85°C
 Termination Interface: Style Solder or Weld

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 020
 Lead-freeProcess Capability REFLOW



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/61/2018 (27 June
 2018)

Halogen-Free

Status

Low-Halogen

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 environmental compliance?**

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 non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[170814 Series](#)

Mates With

[170807 NeoScale 2.80mm Pitch High-Speed Mezzanine Plug](#)

Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-170814-002
Product Specification	PS-170807-0001
S-Parameter Model	SP-170807-2005
Sales Drawing	SD-170814-2002

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