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Part Number: [1708070015](#)
Status: **Active**
Overview: NeoScale® High-Speed Mezzanine System
Description: NeoScale™ High-Speed Mezzanine Plug, 2.80mm Pitch, 6x8, 48 Triads (144 Circuits), 12.00mm Connector Height, 0.76µm Gold (Au) Plating

Documents:

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

Agency Certification

UL E29179

General

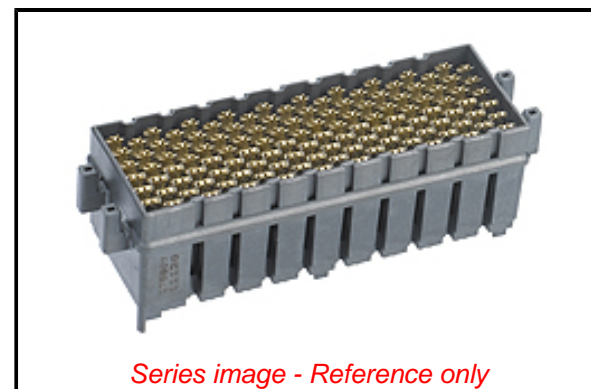
Product Family PCB Headers
 Series [170807](#)
 Application Board-to-Board, Signal
 Electrical Model No
 Overview [NeoScale® High-Speed Mezzanine System](#)
 Product Name NeoScale™
 UPC 884982862791

Physical

Breakaway No
 Circuits (Loaded) 144
 Circuits (maximum) 144
 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 10.754/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

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

China ROHS Green Image
 ELV Not Relevant
 RoHS Phthalates Not Contained

Search Parts in this Series

[170807](#) Series

Mates With

[170814](#) 2.80mm Pitch NeoScale™ PCB
 Receptacles

Voltage - Maximum 30V AC (RMS)

Solder Process Data

Duration at Max. Process Temperature (seconds) 040

Lead-free Process Capability REFLOW

Max. Cycles at Max. Process Temperature 002

Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Electrical Model Document EE-170807-1020, EE-170807-1120

Product Specification PS-170807-0001

S-Parameter Model SP-170807-1020, SP-170807-1120

Sales Drawing SD-170807-0015

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