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**Part Number:** [1708142008](#)  
**Status:** **Active**  
**Overview:** NeoScale® High-Speed Mezzanine System  
**Description:** NeoScale™ High-Speed Mezzanine Receptacle, 2.80mm Pitch, 6x12, 72 Triads (216 Circuits), 18.00mm Connector Height, 0.76µm Gold (Au) Plating

**Documents:**

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

**General**

Product Family	PCB Receptacles
Series	<a href="#">170814</a>
Application	Board-to-Board, Signal
Electrical Model	No
Overview	<a href="#">NeoScale® High-Speed Mezzanine System</a>
Product Name	NeoScale™
UPC	887191540771

**Physical**

Circuits (Loaded)	216
Circuits (maximum)	216
Color - Resin	Black
Durability (mating cycles max)	100
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	21.033/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°C to +85°C
Termination Interface: Style	Solder or Weld

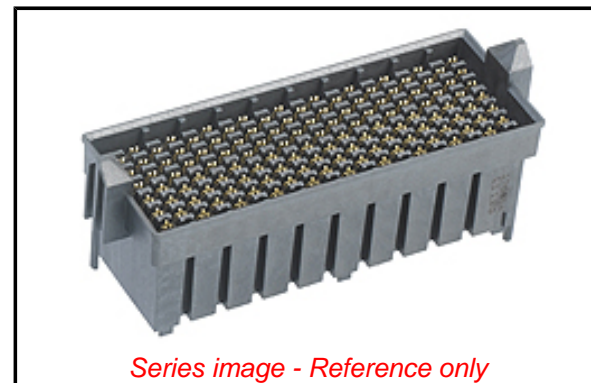
**Electrical**

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

**Material Info**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**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

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[170814 Series](#)

**Mates With**

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

**Reference - Drawing Numbers**

Electrical Model Document

Product Specification

S-Parameter Model

Sales Drawing

EE-170807-2030, EE-170807-2036, EE-170807-2100

PS-170807-0001

SP-170807-2030, SP-170807-2036, SP-170807-2100

SD-170814-2016, SD-170814-2026

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