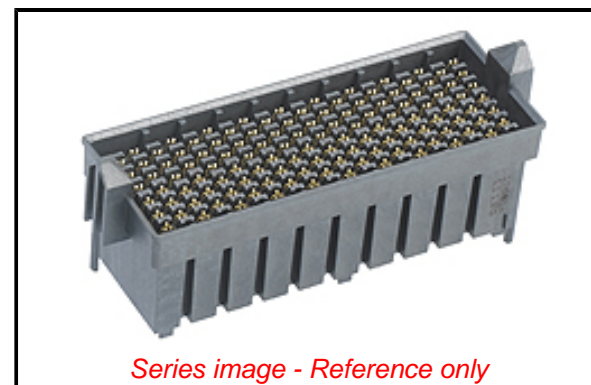


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**Part Number:** [1708142016](#)  
**Status:** **Active**  
**Overview:** [NeoScale Mezzanine System](#)  
**Description:** NeoScale High-Speed Mezzanine Receptacle, 2.80mm Pitch, 6x12, 72 Triads-100 Ohm (216 Circuits), 8.00mm Connector Height

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-170814-002-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-170807-0001 (PDF)</a>	



**General**

Product Family	PCB Receptacles
Series	<a href="#">170814</a>
Application	Board-to-Board, Signal
Overview	<a href="#">NeoScale Mezzanine System</a>
Product Name	NeoScale
UPC	887191672724

**Physical**

Circuits (Loaded)	216
Circuits (maximum)	216
Color - Resin	Black
Durability (mating cycles max)	100
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	10.428/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
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
Grounding to PCB	No
Voltage - Maximum	30V AC (RMS)

**Solder Process Data**

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

**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**

[170814 Series](#)

**Mates With**

NeoScale High-Speed Mezzanine Plug  
[1708072008](#) , [1708072016](#) , [1708072020](#)

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

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document	EE-170807-2020
Packaging Specification	PK-170814-002-001
Product Specification	PS-170807-0001
S-Parameter Model	SP-170807-2005, SP-170807-2020, SP-170814-0025
Sales Drawing	SD-170814-2016

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