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**Part Number:** [1708140039](#)  
**Status:** **Active**  
**Overview:** [NeoScale Mezzanine System](#)  
**Description:** NeoScale High-Speed Mezzanine Receptacle, 2.80mm Pitch, 4x18, 72 Triads-85 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="#">Drawing (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (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	889056275248

**Physical**

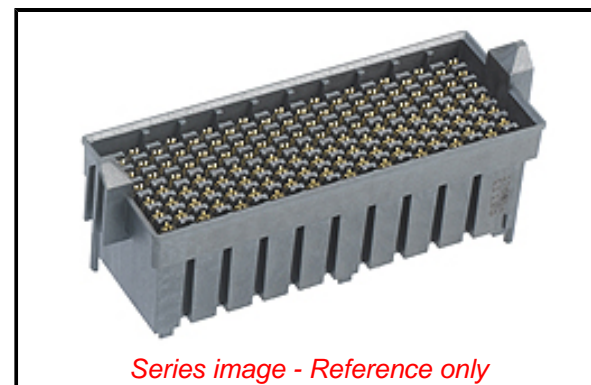
Circuits (Loaded)	216
Circuits (maximum)	216
Color - Resin	Black
Durability (mating cycles max)	100
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	10.790/g
Number of Rows	4
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-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001



*Series image - Reference only*

**EU ELV**

**Not Reviewed**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Reviewed

Not Contained

**Search Parts in this Series**

[170814 Series](#)

**Mates With**

NeoScale High-Speed Mezzanine Plug  
[1708070039](#)

Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

PK-170814-002-001

Sales Drawing

SD-170814-0036-001

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