



Part Number : [1708142016](#)

Product Description : NeoScale High-Speed Mezzanine Receptacle, 2.80mm Pitch, 6x12, 72 Triads-100 Ohm (216 Circuits), 8.00mm Connector Height

Series Number : 170814

Status : Active

Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

[Drawing 1708142016_sd.pdf](#)

[Packaging Design Drawing PK-170814-002-001.pdf](#)

3D Models and Design Files

[3D Model 1708142016_stp.zip](#)

[Electrical Model Document EE-170807-2020-001.pdf](#)

[S-Parameter Model SP-170807-2005-001.zip](#)

[S-Parameter Model SP-170807-2020-001.zip](#)

[S-Parameter Model SP-170814-0025-001.zip](#)

Specifications

[Product Specification PS-170807-0001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

[Multiple Part Product Compliance Statements](#)

- Eu RoHS

- REACH SVHC

- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	170814
Description	NeoScale High-Speed Mezzanine Receptacle, 2.80mm Pitch, 6x12, 72 Triads-100 Ohm (216 Circuits), 8.00mm Connector Height
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Family	NeoScale Mezzanine System
Product Name	NeoScale
UPC	887191672724

Agency

UL	E29179
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Electrical

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

Physical

Circuits (Loaded)	216
Circuits (maximum)	216
Color - Resin	Black

Durability (mating cycles max)	100
Flammability	94V-0
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
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
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
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Solder or Weld

Solder Process Data

Max-Duration	20
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	260

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