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Part Number:

1708142008

Status:

Active

Overview:

NeoScale Mezzanine System

Description:

NeoScale High-Speed Mezzanine Receptacle, 2.80mm Pitch, 6x12, 72 Triads-100 Ohm (216 Circuits), 18.00mm Connector Height



Series image - Reference only

Documents:

- [3D Model](#)
- [3D Model \(PDF\)](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-170807-0001-001 \(PDF\)](#)
- [Packaging Specification PK-170814-002-001 \(PDF\)](#)
- [Datasheet \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Receptacles
Series	170814
Application	Board-to-Board, Signal
Overview	NeoScale Mezzanine System
Product Name	NeoScale
Taxonomy	Board-to-Board Connectors
UPC	887191540771

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	21.033/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
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EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
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Halogen-Free

Status

Low-Halogen

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

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

170814 Series

Mates With

NeoScale High-Speed Mezzanine Plug
[1708072008](#) , [1708072016](#) , [1708072020](#) ,
[1708072027](#)

Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Electrical Model Document	1708072126-000, EE-170807-2030-001, EE-170807-2036-001, EE-170807-2100-001
Packaging Specification	PK-170814-002-001
Product Specification	PS-170807-0001-001
S-Parameter Model	SP-170807-2030-001, SP-170807-2036-001, SP-170807-2100-001
Sales Drawing	SD-170814-2016-001

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