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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 (216 Circuits), 18.00mm Connector Height, 0.76µm Gold (Au) Plating

Documents:

3D Model	Packaging Specification PK-170814-002-001 (PDF)
Drawing (PDF)	Test Summary TS-170807-2006-001 (PDF)
Product Specification PS-170807-0001 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Receptacles
Series	170814
Application	Board-to-Board, Signal
Electrical Model	No
Overview	NeoScale Mezzanine System
Product Name	NeoScale
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	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° to +85°C
Termination Interface: Style	Solder or Weld

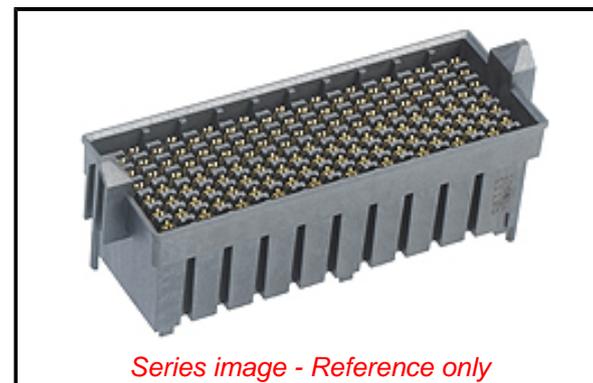
Electrical

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/71/2019 (16 July
2019)

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

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

Reference - Drawing Numbers

Electrical Model Document

1708072126-000, EE-170807-2030, EE-170807-2036,
EE-170807-2100

Packaging Specification

PK-170814-002-001

Product Specification

PS-170807-0001

S-Parameter Model

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

Sales Drawing

SD-170814-2016, SD-170814-2026

Test Summary

TS-170807-2006-001

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