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Part Number: [1708073005](#)
Status: **Active**
Overview: [NeoScale Mezzanine System](#)
Description: NeoScale High-Speed Mezzanine Plug, 2.80mm Pitch, 4x18, 68 Triads-85 Ohm, 4 Power Triads (216 Circuits), 7.00mm Connector Height

Documents:

3D Model	Packaging Specification PK-170807-002-001 (PDF)
Drawing (PDF)	Datasheet (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	170807
Application	Board-to-Board, Signal
Overview	NeoScale Mezzanine System
Product Name	NeoScale
UPC	193264048229

Physical

Breakaway	No
Circuits (Loaded)	216
Circuits (maximum)	216
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
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	10.403/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
Robotic Placement	Pick and Place Cap
Shrouded	Yes
Stackable	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
Voltage - Maximum	30V AC (RMS)



Series image - Reference only

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

[170807 Series](#)

Mates With

NeoScale High-Speed Mezzanine
Receptacle [1708143005](#) , [1708143006](#)

Solder Process Data

Duration at Max. Process Temperature (seconds)	020
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Packaging Specification	PK-170807-002-001
Sales Drawing	SD-170807-0036-001

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