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**Part Number:** [1708072002](#)  
**Status:** **Active**  
**Overview:** NeoScale® High-Speed Mezzanine System  
**Description:** NeoScale High-Speed Mezzanine Plug, 2.80mm Pitch, 6x24, 144 Triads (432 Circuits), 18.00mm Connector Height, 0.76µm Gold (Au) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification TS-170807-2000-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-170807-002 (PDF)</a>
<a href="#">Product Specification PS-170807-0001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

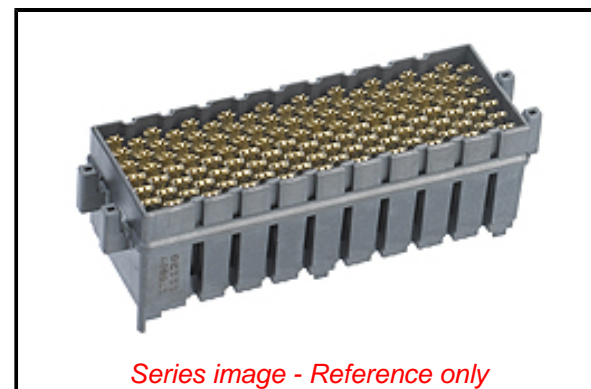
**General**

Product Family	PCB Headers
Series	<a href="#">170807</a>
Application	Board-to-Board, Signal
Electrical Model	No
Overview	<a href="#">NeoScale® High-Speed Mezzanine System</a>
Product Name	NeoScale
UPC	887191223162

**Physical**

Breakaway	No
Circuits (Loaded)	432
Circuits (maximum)	432
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	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	33.049/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
Robotic Placement	Pick and Place Cap
Shrouded	Yes
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Solder or Weld

**Electrical**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[170807](#) Series

**Mates With**

[170814](#) 2.80mm Pitch NeoScale PCB  
Receptacles

Current - Maximum per Contact	1.0A
Voltage - Maximum	30V AC (RMS)

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	040
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	002
Process Temperature max. C	260

**Material Info****Reference - Drawing Numbers**

Electrical Model Document	1708072126-000, EE-170807-2036, EE-170807-2100
Packaging Specification	PK-170807-002
Product Specification	PS-170807-0001, TS-170807-2000-001
S-Parameter Model	SP-170807-2036, SP-170807-2100, SP-170807-2126
Sales Drawing	SD-170807-2002

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