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**Part Number:** [1708070011](#)  
**Status:** **Active**  
**Overview:** [NeoScale™ High-Speed Mezzanine System](#)  
**Description:** NeoScale™ High-Speed Mezzanine Plug, 2.80mm Pitch, 4x18, 72 Triads (216 Circuits), 8.00mm Connector Height, 0.76µm Gold (Au) Plating

**Documents:**

[3D Model](#) [Test Summary TS-170807-0011 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-170807-0001 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family PCB Headers  
 Series [170807](#)  
 Application Board-to-Board, Signal  
 Electrical Model No  
 Overview [NeoScale™ High-Speed Mezzanine System](#)  
 Product Name NeoScale™  
 UPC 884982816145

**Physical**

Breakaway No  
 Circuits (Loaded) 216  
 Circuits (maximum) 216  
 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 10.244/g  
 Number of Rows 4  
 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**

Contains SVHC(2014 December 17): No

**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

**China RoHS**

Green Image

Not Relevant

**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	EE-170807-0011
Product Specification	PS-170807-0001
S-Parameter Model	SP-170807-0011
Sales Drawing	SD-170807-0011
Test Summary	TS-170807-0011

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