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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



Series image - Reference only

Documents:	
3D Model	Product Specification TS-170807-2000-001 (PDF)
Drawing (PDF)	Packaging Specification PK-170807-002 (PDF)
Product Specification PS-170807-0001 (PDF)	RoHS Certificate of Compliance (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	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

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

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
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	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-freeProcess 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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