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Part Number: [1728010001](#)
Status: **Active**
Overview: NeoPress* High-Speed Mezzanine System
Description: NeoPress High-Speed Mezzanine Plug, 3.50mm Pitch, 6x14, 84 Triads (252 Circuits), 13.50mm Connector Height, 0.76µm Gold (Au) Plating

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	172801
Application	Board-to-Board, Signal
Application Tooling Part Link	62203-1300
Application Tooling Part Link	62203-1320
Electrical Model	No
Overview	NeoPress* High-Speed Mezzanine System
Product Name	NeoPress
UPC	889056200554

Physical

Breakaway	No
Circuits (Loaded)	252
Circuits (maximum)	252
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	Liquid Crystal Polymer
Net Weight	18.344/g
Number of Rows	6
Orientation	Vertical
PC Tail Length	1.32mm
PCB Locator	No
PCB Retention	None
Packaging Type	Tray
Pitch - Mating Interface	3.50mm
Plating min - Mating	0.762µm
Plating min - Termination	1.270µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	None
Shrouded	Yes
Stackable	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

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
-ED/79/2015 (17
December 2015)

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
ELV

Green Image
Not Relevant

Search Parts in this Series

[172801](#) Series

Mates With

[172832-0001](#) NeoPress 3.50mm Pitch PCB Receptacle

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
NeoPress Plug and Receptacle Removal Tool	0622031320
NeoPress Plug Assembly Press-In	0622031300

Solder Process Data

Lead-free Process Capability

N/A

Tool for 6-Pair by 14
Column Assemblies**Material Info****Reference - Drawing Numbers**

Sales Drawing

SD-172801-0001

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