

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1728320001](#)  
**Status:** **Active**  
**Overview:** [NeoPress Mezzanine System](#)  
**Description:** NeoPress High-Speed Mezzanine Receptacle, 3.50mm Pitch, 6x14, 84 Triads (252 Circuits), 13.50mm Connector Height, 0.76µm Gold (Au) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-172801-0001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-173358-0001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-172801-0001-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>

**Agency Certification**

UL E29179

**Application tooling part link**

Application Tooling Part Link 62203-1310  
 Application Tooling Part Link 62203-1320  
 Application Tooling Part Link 62203-1410

**General**

Product Family PCB Receptacles  
 Series [172832](#)  
 Application Board-to-Board, Signal  
 Electrical Model No  
 Overview [NeoPress Mezzanine System](#)  
 Product Name NeoPress  
 UPC 889056200561

**Physical**

Circuits (Loaded) 252  
 Circuits (maximum) 252  
 Color - Resin Black  
 Durability (mating cycles max) 100  
 Flammability 94V-0  
 Glow-Wire Capable 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 17.462/g  
 Number of Rows 6  
 Orientation Vertical  
 PC Tail Length 1.38mm  
 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  
 Stackable Yes



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/71/2019 (16 July 2019)

**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**

[172832](#) Series

**Mates With**

[172801-0001](#) NeoPress 3.50mm Pitch Plug

**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 Receptacle Assembly Press-In Tool for 6-Pair by 14 Column Assemblies	<a href="#">622031310</a>
NeoPress Removal Tool for NeoPress Plugs and Receptacles	<a href="#">622031320</a>
NeoPress Removal Tool for NeoPress	<a href="#">622031410</a>

Surface Mount Compatible (SMC) No  
Temperature Range - Operating -55° to +85°C  
Termination Interface: Style Through Hole - Compliant Pin

Plugs and  
Receptacles

**Electrical**

Current - Maximum per Contact 1.0A  
Grounding to PCB No  
Voltage - Maximum 30V AC (RMS)

**Solder Process Data**

Lead-free Process Capability N/A

**Material Info**

**Reference - Drawing Numbers**

Application Specification AS-172801-0001-001  
Electrical Model Document 1728017002-000, 1728017005-000  
Packaging Specification PK-173358-0001-001  
Product Specification PS-172801-0001-001  
Sales Drawing 1728320002-000  
Signal Integrity Report 1728017002REV1-000

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