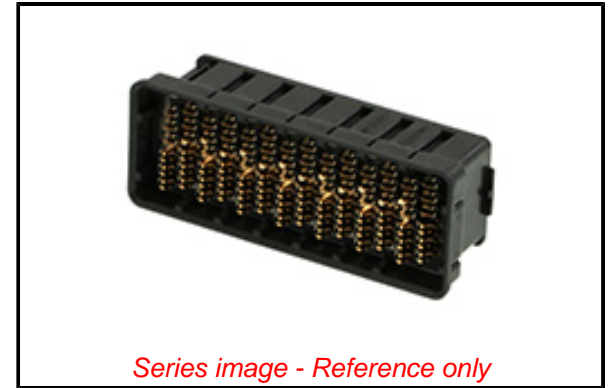


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Part Number: [1728320001](#)
Status: **Active**
Overview: [NeoPress Mezzanine System](#)
Description: NeoPress High-Speed Mezzanine Receptacle, 3.50mm Pitch, 6x14, 84 Triads (252 Circuits), 13.50mm Connector Height, 0.76µm Gold (Au) Plating

Documents:

| | |
|--|--|
| 3D Model (PDF) | Application Specification AS-172801-0001-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-173358-0001-001 (PDF) |
| 3D Model | Datasheet (PDF) |
| Product Specification PS-172801-0001-001 (PDF) | RoHS Certificate of Compliance (PDF) |



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 |
| Component Type | PCB Receptacle |
| Electrical Model | No |
| Overview | NeoPress Mezzanine System |
| Product Name | NeoPress |
| Taxonomy | Board-to-Board Connectors |
| 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 |
| Material - Plating Termination | Tin |
| 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 |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

| | |
|--------------------------------|------------------------------|
| Robotic Placement | None |
| Stackable | Yes |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -55° to +85°C |
| Termination Interface: Style | Through Hole - Compliant Pin |

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 |
| S-Parameter Model | 1728017002-000, 1728017005-000 |
| Sales Drawing | 1728320002-000 |

This document was generated on 01/05/2023

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