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Part Number: [1728010001](#)
Status: **Active**
Overview: [NeoPress 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:

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

Agency Certification

UL E29179

Application tooling part link

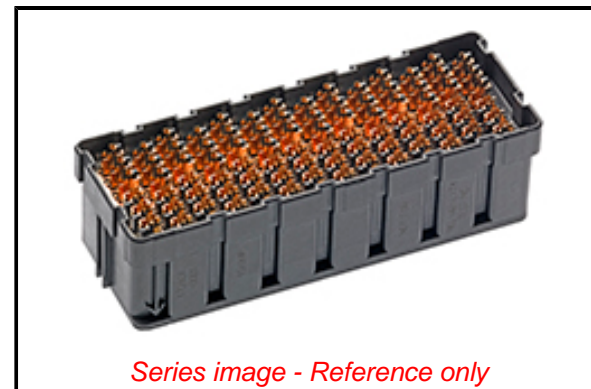
Application Tooling Part Link 62203-1300
 Application Tooling Part Link 62203-1320
 Application Tooling Part Link 62203-1410

General

Product Family PCB Headers
 Series [172801](#)
 Application Board-to-Board, Signal
 Electrical Model No
 Overview [NeoPress 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
 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 18.344/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



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

[172801](#) Series

Mates With

[1728320001](#) 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 Assembly Press-In Tool for 6-Pair by 14 Column Assemblies	622031300
NeoPress Removal Tool for NeoPress Plugs and Receptacles	622031320
NeoPress Removal Tool for NeoPress	622031410

Robotic Placement	None
Shrouded	Yes
Stackable	Yes
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
Voltage - Maximum	30V AC (RMS)

Solder Process Data

Lead-free Process Capability	N/A
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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	1728010002-000
Signal Integrity Report	1728017002REV1-000

This document was generated on 12/19/2019

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