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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	Packaging Specification PK-173358-0001-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-172801-0001-001 (PDF)	Product Literature (PDF)
Application Specification AS-172801-0001-001 (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 Literature Order No	987651-3181
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/88/2018 (15
January 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

Polarized to PCB	Yes
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

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