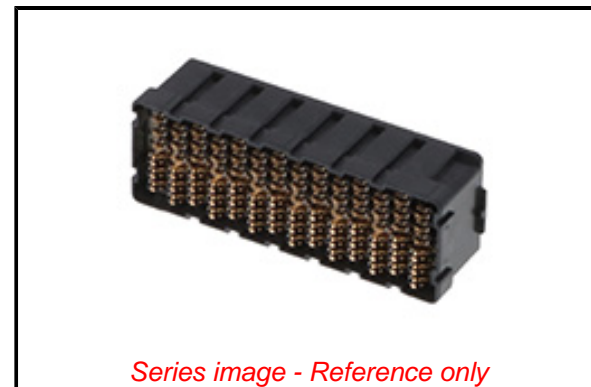


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Part Number: [1728010001](#)
Status: **Active**
Overview: [NeoPress Mezzanine System](#)
Description: NeoPress High-Speed Mezzanine Plug, 3.50mm Pitch, 6x14, 84 Triads (252 Circuits), 13.50mm Connector Height, 0.76µm Gold (Au) Plating

Documents:

Drawing (PDF)	Application Specification AS-172801-0001-001 (PDF)
3D Model (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	62203-1300
Application Tooling Part Link	62203-1320
Application Tooling Part Link	62203-1410

General

Product Family	PCB Headers
Series	172801
Application	Board-to-Board, Signal
Component Type	PCB Header
Electrical Model	No
Overview	NeoPress Mezzanine System
Product Name	NeoPress
Taxonomy	Board-to-Board Connectors
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
Material - Plating Termination	Tin
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

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

[172801 Series](#)

Mates With

[1728320001](#) NeoPress 3.50mm Pitch PCB Receptacle

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° to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

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
S-Parameter Model	1728017002-000, 1728017005-000
Sales Drawing	1728010002-000

This document was generated on 01/07/2023

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