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Part Number: [1728320010](#)
Status: **Active**
Overview: [NeoPress Mezzanine System](#)
Description: NeoPress High-Speed Mezzanine Receptacle, 3.50mm Pitch, 8x20, 160 Triads (480 Circuits), 18.50mm 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) | 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 62203-1380
 Application Tooling Part Link 62203-1420

General

Product Family PCB Receptacles
 Series [172832](#)
 Application Board-to-Board, Signal
 Electrical Model Yes
 Overview [NeoPress Mezzanine System](#)
 Product Name NeoPress
 UPC 889056757775

Physical

Circuits (Loaded) 480
 Circuits (maximum) 480
 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 40.769/g
 Number of Rows 8
 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
 Surface Mount Compatible (SMC) No

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
 D(2020)4578-DC (25
 June 2020)
 dodecamethylcyclohexasiloxane
 decamethylcyclopentasiloxane
 disodium 3,3'-[[1,1'-
 biphenyl]-4,4'-
 diylbis(azo)
 1,2-diethoxyethane
 dibutyltin dichloride
 disodium 4-
 amino-3-[[4'-[(2,4-
 diaminophenyl)azo]
 ammoniumpentadecafluorooctanoate
 2-ethylhexyl 10-
 ethyl-4,4-dioctyl-7-
 oxo-8-oxa-3,
 2-(2H-benzotriazol-2-
 yl)-4,6-
 ditertpentylphenol
 2-(2H-benzotriazol-2-
 yl)-4-(tert-butyl)-6-
 (sec-b
 Terphenyl,
 hydrogenated
 1,2-
 benzenedicarboxylic
 acid, dipentylester,
 bra
 Zirconia
 Aluminosilicate
 Refractory Ceramic
 Fibr
 Tris(4-nonylphenyl,
 branched and linear)
 phosphi
 Perfluorohexane-1-
 sulphonic acid and its
 salts

China RoHS

Temperature Range - Operating
Termination Interface: Style

-55° to +85°C
Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact
Grounding to PCB
Voltage - Maximum

1.0A
No
30V AC (RMS)

Material Info

Reference - Drawing Numbers

Application Specification
Packaging Specification
Product Specification
Sales Drawing

AS-172801-0001-001
PK-173358-0001-001
PS-172801-0001-001
1728320003-000

tris(2-chloroethyl)
phosphate
tetraboron disodium
heptaoxide, hydrate
pentazinc chromate
octahydroxide
bis(2-methoxyethyl)
phthalate
1,2-dimethoxyethane
1,2-bis(2-
methoxyethoxy)ethane
orange lead
pyrochlore, antimony
lead yellow
cadmium hydroxide
Sulfurous acid, lead
salt, dibasic
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
[phthalato(2-)]dioxotrilead
phenanthrene
ethylene thiourea
benzo[ghi]perylene

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

[172832](#) Series

Mates With

[172801-0010](#) 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

[622031380](#)

Receptacle

Assembly Press-In

Tool for 8-Pair by 20

Column Assemblies

Removal Tool

[622031420](#)

for 8-by-20

NeoPress Plugs and

Receptacles

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