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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)	Datasheet (PDF)
Product Specification PS-172801-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)



Series image - Reference only

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
 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
 Polarized to Mating Part Yes
 Polarized to PCB Yes

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
 D(2020)4578-DC (25
 June 2020)
 2-methylimidazole
 4,4'-methylenedi-o-
 toluidine
 dibutyltin dichloride
 1-vinylimidazole
 1,3-propanesultone
 dibutyltin dichloride
 1,2-diethoxyethane
 methoxyacetic acid
 diisopentylphthalate
 chromium trioxide
 2-(2H-benzotriazol-2-
 yl)-4-(tert-butyl)-6-
 (sec-b
 2-(2H-benzotriazol-2-
 yl)-4,6-
 ditertpentylphenol
 dibutylbis(pentane-2,4-
 dionato-O,O')tin
 2-ethylhexyl 10-
 ethyl-4,4-dioctyl-7-
 oxo-8-oxa-3,
 1,7,7-trimethyl-3-
 (phenylmethylene)bicyclo[2.2.1
 sodium
 peroxometaborate
 ammoniumpentadecafluorooctanoate
 hencosafluoroundecanoic
 acid
 disodium 4-
 amino-3-[[4'-[(2,4-
 diaminophenyl)azo]
 diisopentylphthalate
 6-methoxy-m-toluidine
 2-methoxyethyl
 acetate

China RoHS

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
Packaging Specification	PK-173358-0001-001
Product Specification	PS-172801-0001-001
Sales Drawing	1728010002-000

furan
 ethylenediamine
 1-bromopropane
 nitrobenzene
 4-tert-butylphenol
 4-o-tolylazo-o-toluidine
 ethylene thiourea
 4-methyl-m-phenylenediamine
 o-toluidine
 butyl 4-hydroxybenzoate
 dinoseb (ISO)
 phenanthrene
 dihexyl phthalate (DnHP)
 C,C'-azodi(formamide)
 diisopentylphthalate
 disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)
 octamethylcyclotetrasiloxane
 decamethylcyclopentasiloxane
 dodecamethylcyclohexasiloxane
 heptacosafuorotetradecanoic acid
 perfluorooctanoic acid
 tricosafuorododecanoic acid
 di-n-pentyl phthalate (DPP)
 1,2-Benzenedicarboxylic acid, dihexyl ester, bra
 Perfluorononan-1-oic acid
 (2,2,3,3,4,4,5,5,6,6,7 Reaction products of 1,3,4-thiadiazolidine-2,5-d
 Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
 Chrysene
 Pyrene
 Fluoranthene
 Tris(4-nonylphenyl, branched and linear)
 phosphi
 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio
 Perfluorononan-1-oic acid
 (2,2,3,3,4,4,5,5,6,6,7 Perfluorohexane-1-sulphonic acid and its salts
 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5
 1,2-benzenedicarboxylic acid, di-C6-10-alkyl est

reaction mass of
2-ethylhexyl 10-
ethyl-4,4-dioct
Cadmium sulphate
Sodium perborate;
perboric acid, sodium
salt
Methylhexahydrophthalic
anhydride
hexahydro-2-
benzofuran-1,3-dione
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
Perfluorononan-1-
oic acid
(2,2,3,3,4,4,5,5,6,6,7
Nonadecafluorodecanoic
acid (PFDA) and its
sodiu
n-pentyl-
isopentylphthalate
3-ethyl-2-methyl-2-
(3-methylbutyl)-1,3-
oxazolidi
2-benzyl-2-
dimethylamino-4-
morpholinobutyropheno
4,4-
isobutylethylidenediphenol
2-methyl-1-(4-
methylthiophenyl)-2-
morpholinoprop
1,2-
benzenedicarboxylic
acid, dipentylester,
bra
pentacosafuorotridecanoic
acid
diisohexyl phthalate
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
n-pentyl-
isopentylphthalate
Nonadecafluorodecanoic
acid (PFDA) and its
sodiu
4-Heptylphenol,
branched and linear
4-Nonylphenol,
branched and linear,
ethoxylated
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
Trixylyl phosphate
4-Nonylphenol,
branched and linear
[substances w
Acids generated from
chromium trioxide and
their

Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Aluminosilicate
Refractory Ceramic
Fibres
4,4'-Oxydianiline and
its salts
Boric acid
Disodium tetraborate
Hydrazine
1,3-BENZENEDIOL,
TRINITRO-, LEAD
SALT
n-pentyl-
isopentylphthalate
N,N,N',N'-
tetramethyl-4,4'-
methyldianiline
4,4'-
bis(dimethylamino)benzophenone
tetraethyllead
formamide
2,2'-dichloro-4,4'-
methylenedianiline
dichromium
tris(chromate)
phenolphthalein
lead diazide
bis(2-methoxyethyl)
phthalate
Formaldehyde,
polymer with
benzenamine
pentazinc chromate
octahydroxide
1,2-dichloroethane
trilead diarsenate
2-methoxyaniline
arsenic acid
N,N-
dimethylacetamide
lead dipicrate
potassium
hydroxyoctaoxidizincatedichromate(1-)
1,2-dimethoxyethane
cadmium oxide (non-
pyrophoric)
diboron trioxide
bis(pentabromophenyl)
ether
4,4'-
bis(dimethylamino)-4''-
(methylamino)trityl
[4-[4,4'-
bis(dimethylamino)
benzhydrylidene]cycl
lead di(acetate)
1,2-bis(2-
methoxyethoxy)ethane
1,2-dimethoxyethane
bis(2-methoxyethyl)
ether
potassium dichromate

potassium chromate
ammonium
dichromate
tris(2-chloroethyl)
phosphate
Pitch, coal tar, high-
temp.; Pitch
Lead sulfochromate
yellow
Lead chromate
molybdate sulfate red
lead chromate
diisobutyl phthalate
(DIBP)
Anthracene oil,
anthracene-low;
Anthracene Oil F
Anthracene oil,
anthracene paste,
distn. lights;
Anthracene oil,
anthracene paste,
anthracene fra
Anthracene oil,
anthracene paste;
Anthracene Oil
Anthracene oil;
Anthracene oil
2,4-dinitrotoluene
lead hydrogen
arsenate
4,4'-
diaminodiphenylmethane
triethyl arsenate
sodium chromate
bis(2-methoxyethyl)
ether
calcium arsenate
1,2-
benzenedicarboxylic
acid; di-C6-8-
branched a
1,2,3-trichloropropane
N-methyl-2-
pyrrolidone
1,2-
benzenedicarboxylic
acid; di-C7-11-
branched
strontium chromate
2-ethoxyethyl acetate
cobalt sulphate
cobalt dinitrate
cobalt di(acetate)
cobalt carbonate
2-ethoxyethanol
trichloroethylene
tetraboron disodium
heptaoxide, hydrate
cadmium oxide (non-
pyrophoric)
[phthalato(2-)]dioxotrilead
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-

Sulfurous acid, lead salt, dibasic
Acetic acid, lead salt, basic
lead cyanamidate
lead
bis(tetrafluoroborate)
Lead titanium
zirconium oxide
dioxobis(stearato)trilead
[phthalato(2-)]dioxotrilead
dihexyl phthalate (DnHP)
p-(1,1-dimethylpropyl)phenol
N-methylacetamide
dimethyl sulphate
propylene oxide
diethyl sulphate
4-aminoazobenzene
benzo[a]pyrene
1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-t
lead(II)
methanesulphonate
Fatty acids, C16-18, lead salts
[phthalato(2-)]dioxotrilead
dioxobis(stearato)trilead
cadmium
lead
 α,α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)
[4-[[4-anilino-1-naphthyl]]4-(dimethylamino)phen
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(Lead oxide
trilead bis(carbonate) dihydroxide
orange lead
cadmium sulphide
cadmium fluoride
dioxobis(stearato)trilead
tetralead trioxide
sulphate
trilead dioxide
phosphonate
pentalead tetraoxide
sulphate
lead titanium trioxide
lead oxide sulfate
Silicic acid, lead salt
cadmium chloride
lead dinitrate
pyrochlore, antimony
lead yellow

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

[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 Plugs and Receptacles	622031410

This document was generated on 10/16/2020

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