

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1728320001](#)  
**Status:** **Active**  
**Overview:** [NeoPress Mezzanine System](#)  
**Description:** NeoPress High-Speed Mezzanine Receptacle, 3.50mm Pitch, 6x14, 84 Triads (252 Circuits), 13.50mm Connector Height, 0.76µm Gold (Au) Plating

**Documents:**

|                                |  |
|--------------------------------|--|
| <a href="#">3D Model</a>       | <a href="#">Datasheet (PDF)</a>                      |
| <a href="#">Drawing (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">3D Model (PDF)</a> |  |

**Agency Certification**

UL E29179

**Application tooling part link**

|                               |            |
|-------------------------------|------------|
| Application Tooling Part Link | 62203-1310 |
| Application Tooling Part Link | 62203-1320 |
| Application Tooling Part Link | 62203-1410 |

**General**

|                  |   |
|------------------|---|
| Product Family   | PCB Receptacles                           |
| Series           | <a href="#">172832</a>                    |
| Application      | Board-to-Board, Signal                    |
| Electrical Model | No  |
| Overview         | <a href="#">NeoPress Mezzanine System</a> |
| Product Name     | NeoPress                                  |
| UPC              | 889056200561                              |

**Physical**

|                                |                              |
|--------------------------------|------------------------------|
| Circuits (Loaded)              | 252                          |
| Circuits (maximum)             | 252                          |
| 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                     | 17.462/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                          |
| Robotic Placement              | None                         |
| Stackable                      | Yes                          |
| Surface Mount Compatible (SMC) | No                           |



Series image - Reference only

**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**

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)

#### Solder Process Data

Lead-free Process Capability

N/A

#### Material Info

furans  
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  
hydroxyoctaoxodizincatedichromate(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 (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
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  
 $\alpha,\alpha$ -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**

[172832](#) Series

**Mates With**

[172801-0001](#) 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<br>Receptacle<br>Assembly Press-In<br>Tool for 6-Pair by 14<br>Column Assemblies | <a href="#">622031310</a> |
| NeoPress Removal<br>Tool for NeoPress<br>Plugs and<br>Receptacles                         | <a href="#">622031320</a> |
| NeoPress Removal<br>Tool for NeoPress<br>Plugs and<br>Receptacles                         | <a href="#">622031410</a> |

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