

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

**Part Number:** [5055680872](#)  
**Status:** **Active**  
**Overview:** Micro-Lock Plus Wire-to-Board Connector System  
**Description:** 1.25mm Pitch, Micro-Lock Plus PCB Header, Single Row, Vertical, Surface Mount, Tin-Bismuth Plating, Positive Lock, 8 Circuits, with Pick-and-Place Polyimide Tape, Red

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification 5055651002-PS-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-505565-001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification 5055689200-200 (PDF)</a>
<a href="#">Product Specification 5055650000-000 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 5055651000-PS-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

**General**

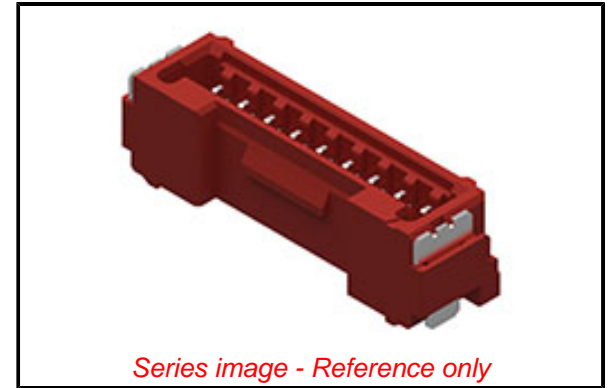
Product Family	PCB Headers
Series	505568
Application	Signal, Wire-to-Board
Overview	<a href="#">Micro-Lock Plus Wire-to-Board Connector System</a>
Product Name	Micro-Lock Plus
UPC	889056556750

**Physical**

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Red
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin-Bismuth
Material - Plating Termination	Tin-Bismuth
Material - Resin	Polyamide
Net Weight	252.975/mg
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.25mm
Pitch - Termination Interface	1.25mm
Plating min - Mating	1.000µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Vacuum Pick-Up Tape
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact 1.5A



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2021)10043-DC (17  
Jan 2022)  
1,2-  
Benzenedicarboxylic  
acid, bis(3-  
methylbutyl)  
methoxyacetic acid  
Disodium 3,3'-[[1,1'-  
Biphenyl]-4,4'-  
Diylbis(Azo)  
Benzene-1,2,4-  
tricarboxylic acid 1,2-  
anhydride  
methoxyacetic acid  
1,2-diethoxyethane  
Dibutyltin-dichloride  
2-methylimidazole  
Benzene-1,2,4-  
tricarboxylic acid 1,2-  
anhydride  
Decamethylcyclopentasiloxane  
Dodecamethylcyclohexasiloxane  
heptacosafuorotetradecanoic  
acid  
Octanoic acid,  
2,2,3,3,4,4,5,5,6,6,7,7,8,8-  
pen  
tricosafuorododecanoic  
acid  
Benzo(ghi)perylene  
2-(2H-Benzotriazol-2-  
yl)-4,6-  
ditertpentylphenol  
2-ethylhexyl 10-  
ethyl-4,4-dioctyl-7-  
oxo-8-oxa-3,  
1,7,7-trimethyl-3-  
(phenylmethylene)bicyclo[2.2.1

**China RoHS**

Voltage - Maximum

50V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Application Specification

Packaging Specification

Product Specification

Sales Drawing

AS-505565-001-001

5055689200-200

5055650000-000, 5055651000-PS-000, 5055651002-PS-000

5055680000-SD-000

Disodium-octaborate  
sodium  
peroxometaborate  
Ammonium-  
pentadecafluorooctanoate  
henicosafuoroundecanoic  
acid  
C.I. Direct Black 38  
chromium trioxide  
1,3-Propanesultone  
1-vinylimidazole  
4,4'-methylenedi-o-  
toluidine  
2-methylimidazole  
Benzo(ghi)perylene  
4-tert-butylphenol  
4-o-tolylazo-o-  
toluidine  
Imidazolidine-2-thione  
4-methyl-m-  
phenylenediamine  
o-toluidine  
butyl 4-  
hydroxybenzoate  
Dinoseb  
Phenanthrene  
Dihexyl-phthalate  
Dicyclohexyl-  
phthalate  
p-(1,1-  
dimethylpropyl)phenol  
Acetamide, N-methyl-  
bis(2-(2-  
methoxyethoxy)ethyl)  
ether  
Dipentyl phthalate  
1,4-dioxane  
C,C'-  
azodi(formamide)  
6-methoxy-m-toluidine  
6,6'-di-tert-butyl-2,2'-  
methylenedi-p-cresol  
Glutaral  
2-Methoxyethyl  
acetate  
furan  
Ethylenediamine  
1-bromopropane  
nitrobenzene  
Cadmium nitrate  
Benz[a]anthracene  
Pyrene  
Fluoranthene  
Perfluorobutane  
sulfonic acid (PFBS)  
and its sal  
Phenol, alkylation  
products (mainly in  
para posi  
orthoboric acid,  
sodium salt  
Medium-chain  
chlorinated paraffins  
(MCCP)

2-(4-tert-butylbenzyl)propionaldehyde and its in  
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-Tris(4-nonylphenyl, branched and linear) phosphi  
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio  
Perfluorohexane-1-sulphonic acid and its salts  
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5  
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  
Dioctyltin dilaurate, stannane, dioctyl-, bis(co  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
Chrysene  
Nonadecafluorodecanoic acid (PFDA) and its sodiu  
1,3-BENZENEDIOL, TRINITRO-, LEAD SALT  
S-  
(tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(i  
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, dipentyl ester, br

pentacosafuorotridecanoic  
acid  
diisohexyl phthalate  
1,2-  
Benzenedicarboxylic  
acid, dihexyl ester,  
bra  
Terphenyl,  
hydrogenated  
2-(2H-Benzotriazol-2-  
yl)-4,6-  
ditertpentylphenol  
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  
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  
Potassium  
hydroxyoctaoxodizincatedichromate  
bis(2-methoxyethyl)  
ether  
Calcium-arsenate  
1,2-  
Benzenedicarboxylic  
acid, di-C6-8-  
branched a  
1,2,3-  
Trichloropropane  
1-Methyl-2-  
pyrrolidone  
1,2-  
Benzenedicarboxylic  
acid, di-C7-11-  
branched  
Strontium-chromate  
2-Ethoxyethyl acetate  
Cobalt sulphate  
Cobalt-dinitrate

Acetic acid, cobalt(2+) salt  
Carbonic acid, cobalt(2+) salt (1:1)  
formamide  
2,2'-dichloro-4,4'-methylenedianiline  
Dichromium tris(chromate) phenolphthalein  
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl)  
Formaldehyde, polymer with benzenamine  
1,2-dichloroethane  
Trilead-diarsenate  
2-methoxyaniline  
Arsenic-acid  
N,N-dimethylacetamide (DMAc, DMA)  
Lead-dipicrate  
Potassium hydroxyoctaoxidizincatedichromate  
Carbonic acid, cobalt(2+) salt (1:1)  
Diisobutyl-phthalate  
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  
Arsenic acid (H<sub>3</sub>AsO<sub>4</sub>), lead(2+) salt (1:1)  
Di-(2-ethylhexyl)phthalat  
Dibutylphthalate  
4,4'-diaminodiphenylmethane  
Arsenic acid (H<sub>3</sub>AsO<sub>4</sub>), triethyl ester  
2-Ethoxyethanol  
Trichloroethylene  
Boric acid, disodium salt, hydrate  
Sodium-chromate  
Potassium-dichromate  
Potassium-chromate  
Ammonium-dichromate

Tris(2-chloroethyl)  
phosphate  
Pitch, coal tar, high-  
temp.  
Lead sulfochromate  
yellow  
Lead chromate  
molybdate sulfate red  
Lead chromate  
Cadmium Hydroxide  
Cyanamide, lead(2+)  
salt (1:1)  
Borate(1-),  
tetrafluoro-, lead (2+)  
Lead titanium  
zirconium oxide  
Dioxobis(stearato)trilead  
Tetralead-trioxide-  
sulphate  
Trilead-dioxide-  
phosphonate  
Pentalead-tetraoxide-  
sulphate  
Lead-titanium-trioxide  
Lead oxide sulfate  
(Pb<sub>2</sub>O(SO<sub>4</sub>))  
Silicic acid, lead salt  
Cadmium-chloride  
dimethyl sulphate  
4,4'-(1-  
Methylpropylidene)bisphenol  
propylene oxide  
diethyl sulphate  
4-aminoazobenzene  
1,3,5-tris-[(2S  
and 2R)-2,3-  
epoxypropyl]-1,3,5-t  
Lead(II)  
methanesulfonate  
Fatty Acids, C16-18,  
Lead Salts  
[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-dinitrate  
Cadmium-oxide  
Diboron-trioxide  
Decabromodiphenylether  
4,4'-  
bis(dimethylamino)-4''-  
(methylamino)trityl  
[4-[4,4'-  
bis(dimethylamino)  
benzhydrylidene]cycl  
Cadmium-carbonate  
Lead di(acetate)  
1,2-bis(2-  
methoxyethoxy)ethane  
1,2-Dimethoxyethane

N,N,N',N'-  
tetramethyl-4,4'-  
methyldianiline  
4,4'-  
bis(dimethylamino)benzophenone  
Tetraethyllead  
formamide  
Lead-dinitrate  
pyrochlore, antimony  
lead yellow  
Cadmium-fluoride  
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  
Lead(II,IV)-oxide  
Cadmium-sulphide  
Cadmium-oxide

**Halogen-Free**

**Status**

**Not 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**

[505568](#) Series

**Mates With**

Micro-Lock Plus Receptacle Housing  
[505565](#)

This document was generated on 02/17/2022

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**