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Part Number: [2059571571](#)
Status: **Active**
Overview: [Micro-Lock Plus Wire-to-Board Connector System](#)
Description: 1.25mm Pitch, Micro-Lock Plus PCB Header with Potting Capability, Single Row, Vertical, Surface Mount, Tin-Bismuth Plating, Positive Lock, 15 Circuits, Tape and Reel, Black

Documents:

3D Model	Application Specification AS-505565-001-001 (PDF)
3D Model (PDF)	Packaging Specification 2059579200-SPK-200 (PDF)
Drawing (PDF)	Datasheet (PDF)
Product Specification 2045320001-PS-000 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification 2045321001-PS-000 (PDF)	

Agency Certification

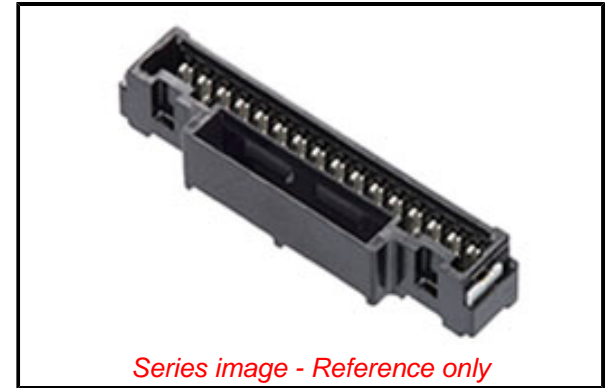
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	205957
Application	Signal, Wire-to-Board
Overview	Micro-Lock Plus Wire-to-Board Connector System
Product Name	Micro-Lock Plus
UPC	191130032402

Physical

Breakaway	No
Circuits (Loaded)	15
Circuits (maximum)	15
Color - Resin	Black
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	534.170/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
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2020)4578-DC (25
June 2020)
decamethylcyclotrasiloxane
benzene-1,2,4-
tricarboxylic acid 1,2-
anhydride
decamethylcyclotrasiloxane
dodecamethylcyclohexasiloxane
benzene-1,2,4-
tricarboxylic acid 1,2-
anhydride
octamethylcyclotetrasiloxane
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
dodecamethylcyclohexasiloxane
heptacosafuorotetradecanoic
acid
tricosafuorododecanoic
acid
di-n-pentyl phthalate
(DPP)
6-methoxy-m-toluidine
diisopentylphthalate
methoxyacetic acid
dibutyltin dichloride
4,4'-methylenedi-o-
toluidine
1-vinylimidazole
1,3-propanesultone
chromium trioxide
disodium 4-
amino-3-[[4'-[(2,4-
diaminophenyl)azo]
henicosafuoroundecanoic
acid

China RoHS

Termination Interface: Style

Surface Mount

Electrical

Current - Maximum per Contact

3.6A

Voltage - Maximum

50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification

AS-505565-001-001

Packaging Specification

2059579200-SPK-200

Product Specification

2045320001-PS-000, 2045321001-PS-000

Sales Drawing

2059573000-SD-000

Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
[phthalato(2-)]dioxotrilead
Fatty acids, C16-18,
lead salts
4-aminoazobenzene
diethyl sulphate
dimethyl sulphate
N-methylacetamide
dicyclohexyl phthalate
dihexyl phthalate
(DnHP)
dinoseb (ISO)
butyl 4-
hydroxybenzoate
o-toluidine
4-methyl-m-
phenylenediamine
ethylene thiourea
4-o-tolylazo-o-
toluidine
nitrobenzene
1-bromopropane
furan
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Trixylyl phosphate
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
2,3,3,3-tetrafluoro-2-
(heptafluoropropoxy)propio
Tris(4-nonylphenyl,
branched and linear)
phosphi
Pyrene
Cadmium nitrate
Chrysene
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Reaction
products of 1,3,4-
thiadiazolidine-2,5-d
Perfluorononan-1-
oic acid
(2,2,3,3,4,4,5,5,6,6,7
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
hexahydro-2-
benzofuran-1,3-dione
Sodium perborate;
perboric acid, sodium
salt
Cadmium sulphate
1,2-
benzenedicarboxylic
acid, di-C6-10-alkyl
est
5-sec-butyl-2-(2,4-
dimethylcyclohex-3-
en-1-yl)-5

Perfluorohexane-1-sulphonic acid and its salts
ammoniumpentadecafluorooctanoate
sodium
peroxometaborate
disodium octaborate
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,
dibutylbis(pentane-2,4-dionato-O,O')tin
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, dihexyl ester,
bra
pentacosafuorotridecanoic acid
1,2-benzenedicarboxylic acid, dipentylester,
bra
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidi
n-pentyl-
isopentylphthalate
1,3-BENZENEDIOL, TRINITRO-, LEAD
SALT
Hydrazine
Disodium tetraborate
Boric acid
Aluminosilicate
Refractory Ceramic
Fibres
tetraboron disodium heptaoxide, hydrate
cobalt carbonate
cobalt di(acetate)
cobalt sulphate
2-ethoxyethyl acetate
1,2-benzenedicarboxylic acid; di-C7-11-branched
N-methyl-2-pyrrolidone
1,2-benzenedicarboxylic acid; di-C6-8-branched a
calcium arsenate
bis(2-methoxyethyl) ether
potassium
hydroxyoctaoxodizincatedichromate(1-)

lead dipicrate
N,N-
dimethylacetamide
arsenic acid
2-methoxyaniline
trilead diarsenate
1,2-dichloroethane
pentazinc chromate
octahydroxide
triethyl arsenate
4,4'-
diaminodiphenylmethane
dibutyl phthalate
(DBP)
bis(2-ethylhexyl)
phthalate (DEHP)
lead hydrogen
arsenate
Butylbenzylphthalate
(BBP)
Anthracene oil,
anthracene paste;
Anthracene Oil
Anthracene oil,
anthracene paste,
anthracene fra
Anthracene oil,
anthracene paste,
distn. lights;
Anthracene oil,
anthracene-low;
Anthracene Oil F
lead chromate
Lead chromate
molybdate sulfate red
Lead sulfochromate
yellow
tris(2-chloroethyl)
phosphate
ammonium
dichromate
potassium chromate
potassium dichromate
sodium chromate
[4-[[4-anilino-1-
naphthyl]]4-
(dimethylamino)phen
 α,α #Bis[4-
(dimethylamino)phenyl]-4
(phenylamino)
lead
cadmium
cadmium fluoride
pyrochlore, antimony
lead yellow
lead dinitrate
cadmium chloride
Silicic acid, lead salt
lead oxide sulfate
pentalead tetraoxide
sulphate
trilead dioxide
phosphonate
tetralead trioxide
sulphate

dioxobis(stearato)trilead
Lead titanium
zirconium oxide
cadmium hydroxide
Acetic acid, lead salt,
basic
Sulfurous acid, lead
salt, dibasic
Formaldehyde,
polymer with
benzenamine
bis(2-methoxyethyl)
phthalate
lead diazide
phenolphthalein
dichromium
tris(chromate)
4,4'-
bis(dimethylamino)benzophenone
1,2-dimethoxyethane
cadmium carbonate
[4-[4,4'-
bis(dimethylamino)
benzhydrylidene]cycl
4,4'-
bis(dimethylamino)-4"-
(methylamino)trityl
bis(pentabromophenyl)
ether
diboron trioxide
cadmium oxide (non-
pyrophoric)
cadmium sulphide
orange lead
trilead bis(carbonate)
dihydroxide
Lead oxide
1,3,5-
tris(oxiranylmethyl)-1,3,5-
triazine-2,4,6(

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

[205957 Series](#)

Mates With

Micro-Lock Plus Receptacle Housing
[204532](#)

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