

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

**Part Number:** [2086592241](#)  
**Status:** **Active**  
**Overview:**  
**Description:** 2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, 0.10µm Gold (Au) Plating, Positive Lock, 22 Circuits, Tray, 3.20mm PC Tail Length, Black

**Agency Certification**

UL E29179

**General**

Product Family PCB Headers  
 Series [208659](#)  
 Application Signal, Wire-to-Board  
 Overview igrd  
 Product Name iGrid  
 UPC 193264111589

**Physical**

Breakaway No  
 Circuits (Loaded) 22  
 Circuits (maximum) 22  
 Color - Resin Black  
 Durability (mating cycles max) 30  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Keying to Mating Part Yes  
 Lock to Mating Part Yes  
 Material - Metal Brass  
 Material - Plating Mating Gold  
 Material - Resin Polyamide  
 Net Weight 1775.000/mg  
 Number of Rows 2  
 Orientation Right Angle  
 PC Tail Length 3.20mm  
 PCB Locator Yes  
 PCB Retention None  
 PCB Thickness - Recommended 1.20mm, 1.60mm  
 Packaging Type Tray  
 Pitch - Mating Interface 2.00mm  
 Plating min - Mating 0.102µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40° to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 2.0A  
 Voltage - Maximum 250V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification 2086599200-SPK-200  
 Product Specification 5016460000-PS-000, 5016461000-PS-000  
 Sales Drawing 2086590000-SD-000

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
 D(2020)4578-DC (25  
 June 2020)  
 hencosafluoroundecanoic  
 acid  
 disodium 4-  
 amino-3-[[4'-[(2,4-  
 diaminophenyl)azo]  
 chromium trioxide  
 1,3-propanesultone  
 1-vinylimidazole  
 4,4'-methylenedi-o-  
 toluidine  
 dibutyltin dichloride  
 methoxyacetic acid  
 diisopentylphthalate  
 disodium 3,3'-[[1,1'-  
 biphenyl]-4,4'-  
 diylbis(azo)  
 octamethylcyclotetrasiloxane  
 benzene-1,2,4-  
 tricarboxylic acid 1,2-  
 anhydride  
 decamethylcyclopentasiloxane  
 dodecamethylcyclohexasiloxane  
 heptacosafuorotetradecanoic  
 acid  
 tricosafuorododecanoic  
 acid  
 di-n-pentyl phthalate  
 (DPP)  
 6-methoxy-m-toluidine  
 furan  
 1-bromopropane  
 nitrobenzene  
 4-o-tolylazo-o-  
 toluidine  
 ethylene thiourea  
 4-methyl-m-  
 phenylenediamine  
 o-toluidine  
 butyl 4-  
 hydroxybenzoate  
 dinoseb (ISO)  
 dihexyl phthalate  
 (DnHP)  
 dicyclohexyl phthalate  
 N-methylacetamide  
 dimethyl sulphate  
 diethyl sulphate  
 4-aminoazobenzene

**China RoHS**

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-  
Perfluorohexane-1-  
sulphonic acid and its  
salts  
5-sec-butyl-2-(2,4-  
dimethylcyclohex-3-  
en-1-yl)-5  
1,2-  
benzenedicarboxylic  
acid, di-C<sub>6</sub>-10-alkyl  
est  
Cadmium sulphate  
Sodium perborate;  
perboric acid, sodium  
salt  
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  
Reaction  
products of 1,3,4-  
thiadiazolidine-2,5-d  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
Chrysene  
Cadmium nitrate  
Pyrene  
Tris(4-nonylphenyl,  
branched and linear)  
phosphi  
2,3,3,3-tetrafluoro-2-  
(heptafluoropropoxy)propio  
4-(1,1,3,3-  
tetramethylbutyl)phenol,  
ethoxylated  
Trixylyl phosphate  
Zirconia  
Aluminosilicate  
Refractory Ceramic  
Fibr  
Aluminosilicate  
Refractory Ceramic  
Fibres  
Boric acid  
Disodium tetraborate  
Hydrazine  
1,3-BENZENEDIOL,  
TRINITRO-, LEAD  
SALT  
n-pentyl-  
isopentylphthalate  
3-ethyl-2-methyl-2-  
(3-methylbutyl)-1,3-  
oxazolidi  
1,2-  
benzenedicarboxylic

acid, dipentylester,  
bra  
pentacosafuorotridecanoic  
acid  
1,2-  
Benzenedicarboxylic  
acid, dihexyl ester,  
bra  
Terphenyl,  
hydrogenated  
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,  
disodium octaborate  
sodium  
peroxometaborate  
ammoniumpentadecafluorooctanoate  
pentazinc chromate  
octahydroxide  
1,2-dichloroethane  
trilead diarsenate  
2-methoxyaniline  
arsenic acid  
N,N-  
dimethylacetamide  
lead dipicrate  
potassium  
hydroxyoctaoxidizincatedichromate(1-)  
bis(2-methoxyethyl)  
ether  
calcium arsenate  
1,2-  
benzenedicarboxylic  
acid; di-C6-8-  
branched a  
N-methyl-2-  
pyrrolidone  
1,2-  
benzenedicarboxylic  
acid; di-C7-11-  
branched  
2-ethoxyethyl acetate  
cobalt sulphate  
cobalt di(acetate)  
cobalt carbonate  
tetraboron disodium  
heptaoxide, hydrate  
sodium chromate  
potassium dichromate  
potassium chromate  
ammonium  
dichromate  
tris(2-chloroethyl)  
phosphate  
Lead sulfochromate  
yellow

Lead chromate  
molybdate sulfate red  
lead chromate  
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  
Butylbenzylphthalate  
(BBP)  
lead hydrogen  
arsenate  
bis(2-ethylhexyl)  
phthalate (DEHP)  
dibutyl phthalate  
(DBP)  
4,4'-  
diaminodiphenylmethane  
triethyl arsenate  
Sulfurous acid, lead  
salt, dibasic  
Acetic acid, lead salt,  
basic  
cadmium hydroxide  
Lead titanium  
zirconium oxide  
dioxobis(stearato)trilead  
tetralead trioxide  
sulphate  
trilead dioxide  
phosphonate  
pentalead tetraoxide  
sulphate  
lead oxide sulfate  
Silicic acid, lead salt  
cadmium chloride  
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(4,6,6-  
trioxane)  
Lead oxide  
trilead bis(carbonate)  
dihydroxide  
orange lead  
cadmium sulphide  
cadmium oxide (non-  
pyrophoric)

diboron trioxide  
bis(pentabromophenyl)  
ether  
4,4'-  
bis(dimethylamino)-4''-  
(methylamino)trityl  
[4-[4,4'-  
bis(dimethylamino)  
benzhydrylidene]cycl  
cadmium carbonate  
1,2-dimethoxyethane  
4,4'-  
bis(dimethylamino)benzophenone  
dichromium  
tris(chromate)  
phenolphthalein  
lead diazide  
bis(2-methoxyethyl)  
phthalate  
Formaldehyde,  
polymer with  
benzenamine

**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**

[208659](#) Series

**Mates With**

iGrid Receptacle Housing [501646](#)

This document was generated on 10/13/2020

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