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Part Number: [2086592040](#)
Status: **Active**
Overview: [iGrid Wire-to-Board Dual-Row System](#)
Description: 2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, 0.10μm Gold (Au) Plating, Positive Lock, 20 Circuits, Tray, 3.20mm PC Tail Length, Natural

Documents:	
3D Model	Product Specification 5016461000-PS-000 (PDF)
Drawing (PDF)	Packaging Specification 2086599200-SPK-200 (PDF)
3D Model (PDF)	Datasheet (PDF)
Product Specification 5016460000-PS-000 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	152514
UL	E29179

General	
Product Family	PCB Headers
Series	208659
Application	Signal, Wire-to-Board
Overview	iGrid Wire-to-Board Dual-Row System
Product Name	iGrid
UPC	193264111510

Physical	
Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Natural
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	1640.000/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



Series image - Reference only

EU ELV Not Relevant	
EU RoHS Compliant	China RoHS
REACH SVHC Contained Per - D(2021)10043-DC (17 Jan 2022) Benzo(ghi)perylene tricosafuorododecanoic acid Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pen heptacosafuorotetradecanoic acid Dodecamethylcyclhexasiloxane Decamethylcyclpentasiloxane Benzene-1,2,4- tricarboxylic acid 1,2- anhydride Disodium 3,3'-[[1,1'- Biphenyl]-4,4'- Diylbis(Azo) 1,2- Benzenedicarboxylic acid, bis(3- methylbutyl) methoxyacetic acid 1,2-diethoxyethane Dibutyltin-dichloride 2-methylimidazole 4,4'-methylenedi-o- toluidine 1-vinylimidazole 1,3-Propanesultone chromium trioxide C.I. Direct Black 38 henicosafuoroundecanoic acid Ammonium- pentadecafluorooctanoate sodium peroxometaborate	

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	Disodium-octaborate 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,Acetamide, N-methyl-p-(1,1-dimethylpropyl)phenol Dicyclohexyl-phthalate Dihexyl-phthalate Phenanthrene Dinoseb butyl 4-hydroxybenzoate o-toluidine 4-methyl-m-phenylenediamine Imidazolidine-2-thione 4-o-tolylazo-o-toluidine 4-tert-butylphenol nitrobenzene 1-bromopropane Ethylenediamine furan 2-Methoxyethyl acetate Glutaral 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 6-methoxy-m-toluidine C,C'-azodi(formamide) 1,4-dioxane Dipentyl phthalate bis(2-(2-methoxyethoxy)ethyl) ether 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio Tris(4-nonylphenyl, branched and linear) phosphi 2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-2-(4-tert-butylbenzyl)propionaldehyde and its in Medium-chain chlorinated paraffins (MCCP) orthoboric acid, sodium salt Phenol, alkylation products (mainly in para posi Perfluorobutane sulfonic acid (PFBS) and its sal

Fluoranthene
Pyrene
Benz[a]anthracene
Cadmium nitrate
Chrysene
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Diocetyl tin dilaurate,
stannane, dioctyl-,
bis(co
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
Methylhexahydrophthalic
anhydride
Sodium perborate;
perboric acid, sodium
salt
Cadmium sulphate
reaction mass of
2-ethylhexyl 10-
ethyl-4,4-dioct
5-sec-butyl-2-(2,4-
dimethylcyclohex-3-
en-1-yl)-5
Perfluorohexane-1-
sulphonic acid and its
salts
Terphenyl,
hydrogenated
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
diisohexyl phthalate
pentacosafuorotridecanoic
acid
1,2-
Benzenedicarboxylic
acid, dipentyl ester, br
2-Methyl-1-(4-
methylthiophenyl)-2-
morpholinoprop
4,4-
isobutylethylidenediphenol
2-benzyl-2-
dimethylamino-4-
morpholinobutyropheno
3-ethyl-2-methyl-2-
(3-methylbutyl)-1,3-
oxazolidi
n-pentyl-
isopentylphthalate
S-
(tricyclo(5.2.1.02,6)deca-3-
en-8(or 9)-yl O-(i
1,3-BENZENEDIOL,
TRINITRO-, LEAD
SALT
Hydrazine
Disodium tetraborate

Boric acid
4,4'-Oxydianiline and
its salts
Aluminosilicate
Refractory Ceramic
Fibres
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Acids generated from
chromium trioxide and
their
4-Nonylphenol,
branched and linear
[substances w
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
4-Nonylphenol,
branched and linear,
ethoxylated
4-Heptylphenol,
branched and linear
Nonadecafluorodecanoic
acid (PFDA) and its
sodiu
Carbonic acid,
cobalt(2+) salt (1:1)
Acetic acid, cobalt(2+)
salt
Cobalt-dinitrate
Cobalt sulphate
2-Ethoxyethyl acetate
Strontium-chromate
1,2-
Benzenedicarboxylic
acid, di-C7-11-
branched
1-Methyl-2-
pyrrolidone
1,2,3-
Trichloropropane
1,2-
Benzenedicarboxylic
acid, di-C6-8-
branched a
Calcium-arsenate
bis(2-methoxyethyl)
ether
Potassium
hydroxyoctaoxodizincatedichromate
Lead-dipicrate
N,N-
dimethylacetamide
(DMAc, DMA)
Arsenic-acid
2-methoxyaniline
Trilead-diarsenate
1,2-dichloroethane
Formaldehyde,
polymer with
benzenamine
1,2-
Benzenedicarboxylic

acid, bis(2-methoxyethyl phenolphthalein
Dichromium tris(chromate)
2,2'-dichloro-4,4'-methylenedianiline
Arsenic acid (H3AsO4), triethyl ester
4,4'-diaminodiphenylmethane
Dibutylphthalate
Di-(2-ethylhexyl)phthalat
Arsenic acid (H3AsO4), lead(2+) salt (1:1)
2,4-Dinitrotoluene
Anthracene oil;
Anthracene oil
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
Diisobutyl-phthalate
Lead chromate
Lead chromate molybdate sulfate red
Lead sulfochromate yellow
Pitch, coal tar, high-temp.
Tris(2-chloroethyl) phosphate
Ammonium-dichromate
Potassium-chromate
Potassium-dichromate
Sodium-chromate
Boric acid, disodium salt, hydrate
Trichloroethylene
2-Ethoxyethanol
formamide
Cadmium-chloride
Silicic acid, lead salt
Lead oxide sulfate (Pb2O(SO4))
Lead-titanium-trioxide
Pentalead-tetraoxide-sulphate
Trilead-dioxide-phosphonate
Tetralead-trioxide-sulphate
Dioxobis(stearato)trilead

Lead titanium
zirconium oxide
Borate(1-),
tetrafluoro-, lead (2+)
Cyanamide, lead(2+)
salt (1:1)
Cadmium Hydroxide
Acetic Acid, Lead
Salt, Basic
Sulfurous Acid, Lead
Salt, Dibasic
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
[Phthalato(2-)]dioxotrilead
Fatty Acids, C₁₆₋₁₈,
Lead Salts
Lead(II)
methanesulfonate
1,3,5-tris-[(2S
and 2R)-2,3-
epoxypropyl]-1,3,5-t
4-aminoazobenzene
diethyl sulphate
propylene oxide
4,4'-(1-
Methylpropylidene)bisphenol
dimethyl sulphate
Tetraethyllead
4,4'-
bis(dimethylamino)benzophenone
N,N,N',N'-
tetramethyl-4,4'-
methyldianiline
1,2-Dimethoxyethane
1,2-bis(2-
methoxyethoxy)ethane
Lead di(acetate)
Cadmium-carbonate
[4-[4,4'-
bis(dimethylamino)
benzhydrylidene]cycl
4,4'-
bis(dimethylamino)-4"-
(methylamino)trityl
Decabromodiphenylether
Diboron-trioxide
Cadmium-oxide
Cadmium-sulphide
Lead(II,IV)-oxide
Trilead bis(carbonate)
dihydroxide
Lead Oxide
1,3,5-
tris(oxiranylmethyl)-1,3,5-
triazine-2,4,6(
[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
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](#)

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