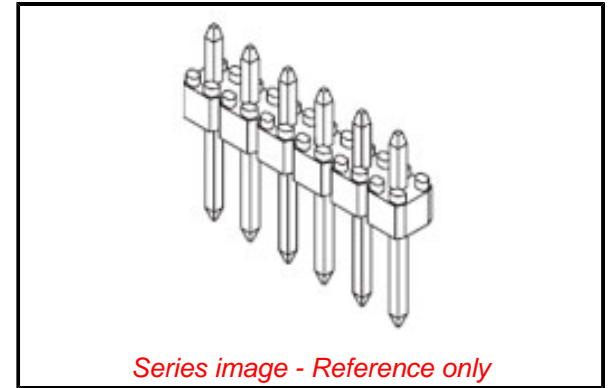


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Part Number: [0901200928](#)
Status: **Active**
Overview: [C-Grid III Interconnects](#)
Description: 2.54mm Pitch C-Grid III Header, Single Row, Vertical, 8 Circuits, 0.76µm Gold (Au) Selective Plating

Documents:

3D Model	Application Specification 901190001-AS-000 (PDF)
Drawing (PDF)	Packaging Specification PK-90120-100-001 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-99020-0001-001 (PDF)	



Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	90120
Application	Signal, Wire-to-Board
Overview	C-Grid III Interconnects
Product Name	C-Grid III
UPC	800753716964

Physical

Breakaway	Yes
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	Polyester
Net Weight	0.473/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	2.90mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.762µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55° to +125°C

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2020)4578-DC (25
June 2020)
henicosaflluoroundecanoic
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
heptacosaflluorotetradecanoic
acid
tricosaflluorododecanoic
acid
di-n-pentyl phthalate
(DPP)
6-methoxy-m-toluidine
furan
1-bromopropane
nitrobenzene
4-o-tolylazo-o-
toluidine
ethylene thiourea

China RoHS

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	3.0A
Voltage - Maximum	350V AC/DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	230
Material Info	
Reference - Drawing Numbers	
Application Specification	901190001-AS-000
Packaging Specification	PK-90120-100-001
Product Specification	PS-99020-0001-001
Sales Drawing	SD-90120-001-001

4-methyl-m-phenylenediamine
 o-toluidine
 butyl 4-hydroxybenzoate
 dinoseb (ISO)
 dihexyl phthalate (DnHP)
 dicyclohexyl phthalate
 N-methylacetamide
 dimethyl sulphate
 diethyl sulphate
 4-aminoazobenzene
 Fatty acids, C16-18, lead salts
 [phthalato(2-)]dioxotrilead
 Silicic acid (H₂Si₂O₅), 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-C₆-10-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
 α,α' Bis[4-
(dimethylamino)phenyl]-4
(phenylamino)

[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(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]cyclcadmium 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

[90120 Series](#)

Mates With

[90147 C-Grid PC Board Connector](#), [90123 C-Grid III Modular Crimp Housing](#)

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