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Part Number: [1053122308](#)

Status: **Active**

Overview:

Description: Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	105312
Application	Power, Wire-to-Board
Overview	nanofit_power_connectors
Packaging Alternative	1053124608
Product Name	Nano-Fit
UPC	887191931340

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Natural
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Capable	Yes
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	0.870/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm, 2.40mm
Packaging Type	Tray
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	0.762µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +115°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	8.0A
Voltage - Maximum	250V AC (RMS)/DC

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2020)4578-DC (25
June 2020)
decamethylcyclopentasiloxane
octamethylcyclotetrasiloxane
decamethylcyclopentasiloxane
dodecamethylcyclohexasiloxane
octamethylcyclotetrasiloxane
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
diisopentylphthalate
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
furan
Sulfurous acid, lead
salt, dibasic
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
dihexyl phthalate
(DnHP)
dinoseb (ISO)
butyl 4-
hydroxybenzoate

China RoHS

Material Info

Reference - Drawing Numbers

Application Specification
Packaging Specification
Product Specification

Sales Drawing
Symbol/Footprint Data
Test Summary

AS-105300-100-001
PK-105309-100-000
1053001000-PS-CH-000, 1053001000-PS-ES-000,
1053001000-PS-JP-000, 1053001000-PS-SK-000,
PS-105300-100-001
SD-105312-100-000
SYM-105312-XX08
1053000000-TS-000

o-toluidine
4-methyl-m-
phenylenediamine
ethylene thiourea
4-o-tolylazo-o-
toluidine
nitrobenzene
1-bromopropane
furan
ammoniumpentadecafluorooctanoate
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
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
Aluminosilicate
Refractory Ceramic
Fibres
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
sodium chromate
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
sodium chromate
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
1,2-dichloroethane
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
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
Acetic acid, lead salt,
basic
Sulfurous acid, lead
salt, dibasic

1,3,5-
tris(oxiranylmethyl)-1,3,5-
triazine-2,4,6(
pentazinc chromate
octahydroxide
Formaldehyde,
polymer with
benzenamine
bis(2-methoxyethyl)
phthalate
lead diazide
phenolphthalein
dichromium
tris(chromate)
4,4'-
bis(dimethylamino)benzophenone
1,2-dimethoxyethane
[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

**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

[105312 Series](#)

Mates With

Nano-Fit Receptacle Housing [1053082208](#)

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