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Part Number: [5023521210](#)
Status: **Active**
Overview: [DuraClik Connector System](#)
Description: DuraClik Wire-to-Board Header, Single Row, Right-Angle, 12 Circuits, Gold (Au) Plating, Natural

Documents:

3D Model	Product Specification PS-502351-002-001 (PDF)
Drawing (PDF)	Packaging Specification PK-502352-002-JP-001 (PDF)
3D Model (PDF)	Datasheet (PDF)
Product Specification 5051510002-000 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL E29179

General

Product Family	PCB Headers
Series	502352
Application	Automotive, Signal, Wire-to-Board
Comments	The Operating Temperature Range when used with DuraClik series 502351 is -40°C to +105°C. It is -40°C to 125°C when used with DuraClik ISL series 560123 or TPA series 505151.
Overview	DuraClik Connector System
Product Name	DuraClik
UPC	887191324081

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	SC-0
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height	6.40mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Resin	Polyamide
Net Weight	1.291/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	2.00mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

Electrical



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

China RoHS

Contained Per -
D(2020)4578-DC (25
June 2020)
octamethylcyclotetrasiloxane
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
octamethylcyclotetrasiloxane
dodecamethylcyclohexasiloxane
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
diisopentylphthalate
methoxyacetic acid
1,2-diethoxyethane
heptacosafuorotetradecanoic
acid
perfluorooctanoic acid
tricosafuorododecanoic
acid
di-n-pentyl phthalate
(DPP)
C,C'-
azodi(formamide)
6-methoxy-m-toluidine
1,7,7-trimethyl-3-
(phenylmethylene)bicyclo[2.2.1
sodium
peroxometaborate
ammoniumpentadecafluorooctanoate
henicosafuoroundecanoic
acid
disodium 4-
amino-3-[[4'-[(2,4-
diaminophenyl)azo]
chromium trioxide
1,3-propanesultone
1-vinylimidazole

Current - Maximum per Contact 3.0A
Voltage - Maximum 125V

Solder Process Data

Duration at Max. Process Temperature (seconds) 040
Lead-free Process Capability REFLOW
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 255

Material Info

Reference - Drawing Numbers

Packaging Specification PK-502352-002-JP-001
Product Specification 5051510002-000, PS-502351-002-001
Sales Drawing SD-502352-001-001, SD-502352-002-001

4,4'-methylenedi-o-toluidine
2-methylimidazole
dibutyltin dichloride
1,2-diethoxyethane
butyl 4-hydroxybenzoate
dinoseb (ISO)
phenanthrene
dihexyl phthalate (DnHP)
p-(1,1-dimethylpropyl)phenol
N-methylacetamide
dimethyl sulphate
propylene oxide
diethyl sulphate
4-aminoazobenzene
benzo[a]pyrene
1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-t
6-methoxy-m-toluidine
2-methoxyethyl acetate
furan
ethylenediamine
1-bromopropane
nitrobenzene
4-tert-butylphenol
4-o-tolylazo-o-toluidine
ethylene thiourea
4-methyl-m-phenylenediamine
o-toluidine
butyl 4-hydroxybenzoate
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Chrysene
Pyrene
Fluoranthene
Tris(4-nonylphenyl, branched and linear)
phosphi
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio
Nonadecafluorodecanoic acid (PFDA) and its sodiu
4-Heptylphenol, branched and linear
4-Nonylphenol, branched and linear, ethoxylated
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
Trixylyl phosphate
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
reaction mass of
2-ethylhexyl 10-ethyl-4,4-dioct
Cadmium sulphate
Sodium perborate;
perboric acid, sodium salt
Methylhexahydrophthalic anhydride
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
2-benzyl-2-dimethylamino-4-morpholinobutyropheno
4,4-isobutylethylidenediphenol
2-methyl-1-(4-methylthiophenyl)-2-morpholinoprop
1,2-benzenedicarboxylic acid, dipentylester, bra
pentacosafuorotridecanoic acid
diisohexyl phthalate
1,2-Benzenedicarboxylic acid, dihexyl ester, bra
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-3,4-Nonylphenol, branched and linear
[substances w
Acids generated from chromium trioxide and their
Zirconia
Aluminosilicate

Refractory Ceramic
Fibr
Aluminosilicate
Refractory Ceramic
Fibres
4,4'-Oxydianiline and
its salts
Boric acid
Disodium tetraborate
Hydrazine
1,3-BENZENEDIOL,
TRINITRO-, LEAD
SALT
n-pentyl-
isopentylphthalate
3-ethyl-2-methyl-2-
(3-methylbutyl)-1,3-
oxazolidi
calcium arsenate
1,2-
benzenedicarboxylic
acid; di-C6-8-
branched a
1,2,3-trichloropropane
N-methyl-2-
pyrrolidone
1,2-
benzenedicarboxylic
acid; di-C7-11-
branched
strontium chromate
2-ethoxyethyl acetate
cobalt sulphate
cobalt dinitrate
cobalt di(acetate)
cobalt carbonate
bis(2-methoxyethyl)
phthalate
Formaldehyde,
polymer with
benzenamine
pentazinc chromate
octahydroxide
1,2-dichloroethane
trilead diarsenate
2-methoxyaniline
arsenic acid
N,N-
dimethylacetamide
lead dipicrate
potassium
hydroxyoctaoxidizincatedichromate(1-)
bis(2-methoxyethyl)
ether
lead chromate
diisobutyl phthalate
(DIBP)
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
Anthracene oil;
Anthracene oil
2,4-dinitrotoluene
lead hydrogen
arsenate
4,4'-
diaminodiphenylmethane
triethyl arsenate
2-ethoxyethanol
trichloroethylene
tetraboron disodium
heptaoxide, hydrate
sodium chromate
potassium dichromate
potassium chromate
ammonium
dichromate
tris(2-chloroethyl)
phosphate
Pitch, coal tar, high-
temp.; Pitch
Lead sulfochromate
yellow
Lead chromate
molybdate sulfate red
lead diazide
tetralead trioxide
sulphate
trilead dioxide
phosphonate
pentalead tetraoxide
sulphate
lead titanium trioxide
lead oxide sulfate
Silicic acid, lead salt
cadmium chloride
lead dinitrate
pyrochlore, antimony
lead yellow
cadmium fluoride
cadmium
 α,α -Bis[4-
(dimethylamino)phenyl]-4
(phenylamino)
1,3,5-tris-[(2S
and 2R)-2,3-
epoxypropyl]-1,3,5-t
lead(II)
methanesulphonate
Fatty acids, C16-18,
lead salts
[phthalato(2-)]dioxotrilead
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
Sulfurous acid, lead
salt, dibasic
Acetic acid, lead salt,
basic

lead cyanamidate
lead
bis(tetrafluoroborate)
Lead titanium
zirconium oxide
dioxobis(stearato)trilead
tetralead trioxide
sulphate
[4-[4,4'-
bis(dimethylamino)
benzhydrylidene]cycl
lead di(acetate)
1,2-bis(2-
methoxyethoxy)ethane
1,2-dimethoxyethane
N,N,N',N'-
tetramethyl-4,4'-
methyldianiline
4,4'-
bis(dimethylamino)benzophenone
tetraethyllead
formamide
2,2'-dichloro-4,4'-
methylenedianiline
dichromium
tris(chromate)
phenolphthalein
lead diazide
 α,α #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(
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

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Compliant

RoHS Phthalates

Not Contained

Search Parts in this Series

[502352 Series](#)

Mates With
DuraClik Crimp Housings [502351](#) , [560123](#) ,
[505151](#)

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