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Part Number: [5023521100](#)
Status: **Active**
Overview: [DuraClik Connector System](#)
Description: DuraClik Wire-to-Board Header, Single Row, Right-Angle, 11 Circuits, Tin (Sn) Plating, Natural

Documents:

3D Model	Packaging Specification PK-502352-002-JP-001 (PDF)
Drawing (PDF)	Datasheet (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-502351-001-001 (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	887191654072

Physical

Breakaway	No
Circuits (Loaded)	11
Circuits (maximum)	11
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	Tin
Material - Resin	Polyamide
Net Weight	1.187/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)
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
diisopentylphthalate
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
octamethylcyclotetrasiloxane
decamethylcyclopentasiloxane
diisopentylphthalate
methoxyacetic acid
1,2-diethoxyethane
dibutyltin dichloride
decamethylcyclopentasiloxane
dodecamethylcyclohexasiloxane
heptacosafuorotetradecanoic
acid
perfluorooctanoic acid
tricosafuorododecanoic
acid
di-n-pentyl phthalate
(DPP)
C,C'-
azodi(formamide)
dibutylbis(pentane-2,4-
dionato-O,O')tin
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
1,7,7-trimethyl-3-
(phenylmethylene)bicyclo[2.2.1
sodium
peroxometaborate
ammoniumpentadecafluorooctanoate
henicosafuoroundecanoic
acid

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 PS-502351-001-001
Sales Drawing SD-502352-001-001, SD-502352-002-001

disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo]chromium trioxide 1,3-propanesultone 1-vinylimidazole 4,4'-methylenedi-o-toluidine 2-methylimidazole dibutyltin dichloride dinoseb (ISO) phenanthrene dihexyl phthalate (DnHP) dicyclohexyl phthalate 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 C,C'-azodi(formamide) 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 Reaction products of 1,3,4-thiadiazolidine-2,5-d Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o Chrysene Pyrene Fluoranthene Perfluorobutane sulfonic acid (PFBS) and its sal 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
Bisphenol-A
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
3-ethyl-2-methyl-2-
(3-methylbutyl)-1,3-
oxazolidi
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
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
Trixylyl phosphate
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
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
2-ethoxyethanol 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
calcium arsenate
1,2-
benzenedicarboxylic
acid; di-C6-8-
branched a
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
bis(2-ethylhexyl)
phthalate (DEHP)
diarsenic trioxide
dibutyl phthalate
(DBP)
4,4'-
diaminodiphenylmethane
triethyl arsenate
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 chromate
diisobutyl phthalate
(DIBP)
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
lead
 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
cadmium carbonate
lead di(acetate)
1,2-bis(2-
methoxyethoxy)ethane
1,2-dimethoxyethane
N,N,N',N'-
tetramethyl-4,4'-
methylenedianiline
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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