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**Part Number:** [5023520201](#)  
**Status:** **Active**  
**Overview:** [DuraClik Connector System](#)  
**Description:** DuraClik Wire-to-Board Header, Single Row, Right-Angle, 2 Circuits, Tin (Sn) Plating, Black

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-502352-002-JP-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-502351-001-001 (PDF)</a>	

**Agency Certification**

UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">502352</a>
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	<a href="#">DuraClik Connector System</a>
Product Name	DuraClik
UPC	887191427317

**Physical**

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
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	0.402/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  
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  
decamethylcyclopentasiloxane  
dodecamethylcyclohexasiloxane  
heptacosafuorotetradecanoic  
acid  
Octanoic acid,  
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-  
pen  
tricosafuorododecanoic  
acid  
benzo[ghi]perylene  
1,2-diethoxyethane  
1,7,7-trimethyl-3-  
(phenylmethylene)bicyclo[2.2.1  
Disodium-octaborate  
sodium  
peroxometaborate  
Ammonium-  
pentadecafluorooctanoate

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

henicosafuoroundecanoic  
acid  
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  
Dipentyl phthalate  
o-toluidine  
butyl 4-  
hydroxybenzoate  
dinoseb (ISO)  
phenanthrene  
dihexyl phthalate  
(DnHP)  
dicyclohexyl phthalate  
p-(1,1-  
dimethylpropyl)phenol  
N-methylacetamide  
dimethyl sulphate  
propylene oxide  
diethyl sulphate  
4-aminoazobenzene  
o-toluidine  
Dipentyl phthalate  
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  
Chrysene  
Cadmium nitrate  
Benz[a]anthracene  
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  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
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  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
4-(1,1,3,3-  
tetramethylbutyl)phenol,  
ethoxylated  
2-benzyl-2-  
dimethylamino-4-  
morpholinobutyropheno  
4,4-  
isobutylethylidenediphenol  
2-methyl-1-(4-  
methylthiophenyl)-2-  
morpholinoprop  
1,2-  
Benzenedicarboxylic  
acid, dipentyl ester, br  
pentacosafuorotridecanoic  
acid  
diisohexyl phthalate  
1,2-  
Benzenedicarboxylic  
acid, dihexyl ester,  
bra  
Terphenyl,  
hydrogenated  
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,  
1,7,7-trimethyl-3-  
(phenylmethylene)bicyclo[2.2.1  
3-ethyl-2-methyl-2-  
(3-methylbutyl)-1,3-  
oxazolidi  
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  
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  
Acetic acid, cobalt(2+)  
salt  
Carbonic acid,  
cobalt(2+) salt (1:1)  
2-ethoxyethanol  
Calcium-arsenate  
lead diazide  
1,2-  
Benzenedicarboxylic  
acid, bis(2-  
methoxyethyl

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  
trichloroethylene  
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  
Butylbenzylphthalate  
(BBP)  
lead hydrogen  
arsenate  
bis(2-ethylhexyl)  
phthalate (DEHP)  
dibutyl phthalate  
(DBP)  
4,4'-  
diaminodiphenylmethane  
triethyl arsenate  
Anthracene oil,  
anthracene-low;  
Anthracene Oil F  
trichloroethylene  
Boric acid, disodium  
salt, hydrate  
sodium chromate  
potassium dichromate  
potassium chromate  
ammonium  
dichromate  
Tris(2-chloroethyl)  
phosphate  
Pitch, coal tar, high-  
temp.  
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  
dioxobis(stearato)trilead  
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 (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-  
Sulfurous acid, lead  
salt, dibasic  
Acetic acid, lead salt,  
basic  
cadmium hydroxide  
lead cyanamidate  
Borate(1-),  
tetrafluoro-, lead (2+)  
Lead titanium  
zirconium oxide  
dioxobis(stearato)trilead  
lead  
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  
[4-[4,4'-  
bis(dimethylamino)  
benzhydrylidene]cycl  
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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