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**Part Number:** [5023521010](#)  
**Status:** **Active**  
**Overview:** [DuraClik Connector System](#)  
**Description:** DuraClik Wire-to-Board Header, Single Row, Right-Angle, 10 Circuits, Gold (Au) Plating, Natural

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-502351-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-502352-002-JP-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 5051510002-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**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 887191654010

**Physical**

Breakaway No  
 Circuits (Loaded) 10  
 Circuits (maximum) 10  
 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 1.118/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  
 decamethylcyclopentasiloxane  
 dodecamethylcyclohexasiloxane  
 disodium 3,3'-[[1,1'-  
 biphenyl]-4,4'-  
 diylbis(azo)  
 diisopentylphthalate  
 methoxyacetic acid  
 dodecamethylcyclohexasiloxane  
 heptacosafuorotetradecanoic  
 acid  
 perfluorooctanoic acid  
 tricosafuorododecanoic  
 acid  
 di-n-pentyl phthalate  
 (DPP)  
 C,C'-  
 azodi(formamide)  
 sodium  
 peroxometaborate  
 ammoniumpentadecafluorooctanoate  
 hencosafluoroundecanoic  
 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  
 1,2-diethoxyethane  
 6-methoxy-m-toluidine

Current - Maximum per Contact  
Voltage - Maximum

3.0A  
125V

#### Material Info

#### Reference - Drawing Numbers

Packaging Specification  
Product Specification  
Sales Drawing

PK-502352-002-JP-001  
5051510002-000, PS-502351-002-001  
SD-502352-001-001, SD-502352-002-001

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  
4-Nonylphenol,  
branched and linear  
[substances w  
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,  
1,7,7-trimethyl-3-  
(phenylmethylene)bicyclo[2.2.1  
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  
2-benzyl-2-  
dimethylamino-4-  
morpholinobutyropheno  
bis(2-methoxyethyl)  
ether  
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  
lead diazide  
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  
cobalt carbonate  
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  
lead  
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  
lead cyanamidate  
lead  
bis(tetrafluoroborate)  
Lead titanium zirconium oxide  
dioxobis(stearato)trilead  
tetralead trioxide  
sulphate  
lead  
[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'-methylendianiline  
4,4'-bis(dimethylamino)benzophenone  
tetraethyllead  
formamide  
2,2'-dichloro-4,4'-methylenedianiline  
dichromium  
tris(chromate)  
phenolphthalein  
 $\alpha,\alpha$ #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

**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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