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**Part Number:** **5023521500**  
**Status:** **Active**  
**Overview:** DuraClik Connector System  
**Description:** DuraClik Wire-to-Board Header, Single Row, Right-Angle, 15 Circuits, Tin (Sn) Plating, Natural

**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 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 887191654096

**Physical**

Breakaway	No
Circuits (Loaded)	15
Circuits (maximum)	15
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	1.533/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  
 hencosafluoroundecanoic  
 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  
 $\alpha,\alpha$ -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 (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  
[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  
 $\alpha,\alpha$ -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  
[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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