

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [5023520603](#)  
**Status:** **Active**  
**Overview:** [DuraClik Connector System](#)  
**Description:** DuraClik Wire-to-Board Header, Single Row, Right-Angle, 6 Circuits, Tin (Sn) Plating, Blue

**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>

**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	889056680820

**Physical**

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Blue
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	0.772/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**

Current - Maximum per Contact 3.0A



*Series image - Reference only*

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

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

Voltage - Maximum

125V

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

Sales Drawing

PK-502352-002-JP-001

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  
 $\alpha,\alpha$ -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  
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  
 $\alpha,\alpha$ #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](#)

This document was generated on 10/14/2020

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**