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**Part Number:** [2005020281](#)  
**Status:** **Active**  
**Overview:** [stAK50h Connection System](#)  
**Description:** [stAK50h Right-Angle Hybrid Header, 28 Circuits, Key 1, Dark Gray, Tube](#)

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 2005060000-AS-000 (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 2005060001-PS-000 (PDF)</a>	

**General**

Product Family	PCB Headers
Series	<a href="#">200502</a>
Application	Automotive, Power, Signal, Wire-to-Board
Overview	<a href="#">stAK50h Connection System</a>
Product Name	stAK50h
UPC	889056679732

**Physical**

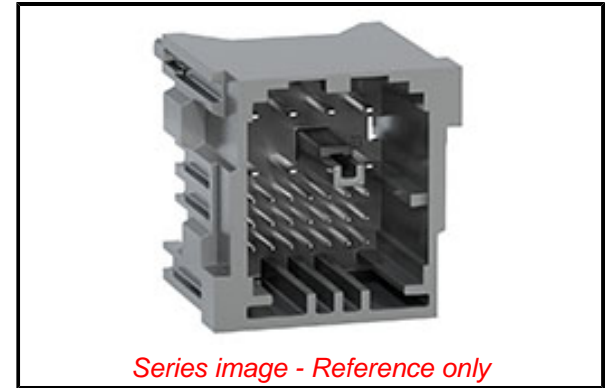
Breakaway	No
Circuits (Loaded)	28
Circuits (maximum)	28
Color - Resin	Gray (Dark)
Durability (mating cycles max)	10
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	SPS
Net Weight	10.000/g
Number of Rows	5
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Tube
Pitch - Mating Interface	2.00mm, 4.00mm
Pitch - Termination Interface	2.00mm, 4.00mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +85°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	12.0A, 5.0A
Voltage - Maximum	500V DC

**Material Info**

**Reference - Drawing Numbers**



**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2020)4578-DC (25  
June 2020)  
benzene-1,2,4-  
tricarboxylic acid 1,2-  
anhydride  
decamethylcyclopentasiloxane  
benzene-1,2,4-  
tricarboxylic acid 1,2-  
anhydride  
decamethylcyclopentasiloxane  
dodecamethylcyclohexasiloxane  
benzene-1,2,4-  
tricarboxylic acid 1,2-  
anhydride  
octamethylcyclotetrasiloxane  
disodium 3,3'-[[1,1'-  
biphenyl]-4,4'-  
diylbis(azo)  
dodecamethylcyclohexasiloxane  
6-methoxy-m-toluidine  
di-n-pentyl phthalate  
(DPP)  
tricosafuorododecanoic  
acid  
heptacosafuorotetradecanoic  
acid  
dodecamethylcyclohexasiloxane  
1-vinylimidazole  
1,3-propanesultone  
chromium trioxide  
disodium 4-  
amino-3-[[4'-[(2,4-  
diaminophenyl)azo]  
henicosafuoroundecanoic  
acid  
1-vinylimidazole  
diisopentylphthalate  
methoxyacetic acid

**China RoHS**

Application Specification  
Product Specification  
Sales Drawing

2005060000-AS-000  
2005060001-PS-000  
2005021280SD-000

dibutyltin dichloride  
4,4'-methylenedi-o-  
toluidine  
1-vinylimidazole  
diethyl sulphate  
dimethyl sulphate  
N-methylacetamide  
dicyclohexyl phthalate  
dihexyl phthalate  
(DnHP)  
diethyl sulphate  
Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-  
[phthalato(2-)]dioxotrilead  
Fatty acids, C16-18,  
lead salts  
4-aminoazobenzene  
diethyl sulphate  
ethylene thiourea  
4-o-tolylazo-o-  
toluidine  
nitrobenzene  
1-bromopropane  
furan  
ethylene thiourea  
dinoseb (ISO)  
butyl 4-  
hydroxybenzoate  
o-toluidine  
4-methyl-m-  
phenylenediamine  
ethylene thiourea  
Tris(4-nonylphenyl,  
branched and linear)  
phosphi  
Pyrene  
Cadmium nitrate  
Chrysene  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
Tris(4-nonylphenyl,  
branched and linear)  
phosphi  
Zirconia  
Aluminosilicate  
Refractory Ceramic  
Fibr  
Trixylyl phosphate  
4-(1,1,3,3-  
tetramethylbutyl)phenol,  
ethoxylated  
2,3,3,3-tetrafluoro-2-  
(heptafluoropropoxy)propio  
Tris(4-nonylphenyl,  
branched and linear)  
phosphi  
Sodium perborate;  
perboric acid, sodium  
salt  
Cadmium sulphate  
1,2-  
benzenedicarboxylic  
acid, di-C6-10-alkyl  
est

5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5  
Perfluorohexane-1-sulphonic acid and its salts  
Sodium perborate; perboric acid, sodium salt  
Reaction  
products of 1,3,4-thiadiazolidine-2,5-d  
Perfluorononan-1-oic acid  
(2,2,3,3,4,4,5,5,6,6,7  
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated  
hexahydro-2-benzofuran-1,3-dione  
Sodium perborate; perboric acid, sodium salt  
dibutylbis(pentane-2,4-dionato-O,O')tin  
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol  
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-b  
Terphenyl, hydrogenated  
1,2-Benzenedicarboxylic acid, dihexyl ester, bra  
dibutylbis(pentane-2,4-dionato-O,O')tin  
ammoniumpentadecafluorooctanoate sodium  
peroxometaborate  
disodium octaborate  
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,  
dibutylbis(pentane-2,4-dionato-O,O')tin  
1,3-BENZENEDIOL, TRINITRO-, LEAD  
SALT  
Hydrazine  
Disodium tetraborate  
Boric acid  
Aluminosilicate  
Refractory Ceramic  
Fibres  
1,3-BENZENEDIOL, TRINITRO-, LEAD  
SALT  
pentacosafuorotridecanoic acid  
1,2-benzenedicarboxylic

acid, dipentylester,  
bra  
3-ethyl-2-methyl-2-  
(3-methylbutyl)-1,3-  
oxazolidi  
n-pentyl-  
isopentylphthalate  
1,3-BENZENEDIOL,  
TRINITRO-, LEAD  
SALT  
N-methyl-2-  
pyrrolidone  
1,2-  
benzenedicarboxylic  
acid; di-C7-11-  
branched  
N-methyl-2-  
pyrrolidone  
1,2-  
benzenedicarboxylic  
acid; di-C7-11-  
branched  
2-ethoxyethyl acetate  
N-methyl-2-  
pyrrolidone  
1,2-  
benzenedicarboxylic  
acid; di-C6-8-  
branched a  
calcium arsenate  
2-ethoxyethyl acetate  
tetraboron disodium  
heptaoxide, hydrate  
cobalt carbonate  
cobalt di(acetate)  
cobalt sulphate  
2-ethoxyethyl acetate  
arsenic acid  
2-methoxyaniline  
trilead diarsenate  
1,2-dichloroethane  
pentazinc chromate  
octahydroxide  
arsenic acid  
bis(2-methoxyethyl)  
ether  
potassium  
hydroxyoctaoxidizincatedichromate(1-)  
lead dipicrate  
N,N-  
dimethylacetamide  
arsenic acid  
lead hydrogen  
arsenate  
Butylbenzylphthalate  
(BBP)  
Anthracene oil,  
anthracene paste;  
Anthracene Oil  
Anthracene oil,  
anthracene paste,  
anthracene fra  
Anthracene oil,  
anthracene paste,  
distn. lights;

lead hydrogen  
arsenate  
triethyl arsenate  
4,4'-  
diaminodiphenylmethane  
dibutyl phthalate  
(DBP)  
bis(2-ethylhexyl)  
phthalate (DEHP)  
lead hydrogen  
arsenate  
tris(2-chloroethyl)  
phosphate  
ammonium  
dichromate  
potassium chromate  
potassium dichromate  
sodium chromate  
tris(2-chloroethyl)  
phosphate  
Anthracene oil,  
anthracene-low;  
Anthracene Oil F  
lead chromate  
Lead chromate  
molybdate sulfate red  
Lead sulfochromate  
yellow  
tris(2-chloroethyl)  
phosphate  
cadmium fluoride  
pyrochlore, antimony  
lead yellow  
lead dinitrate  
cadmium chloride  
Silicic acid, lead salt  
cadmium fluoride  
[4-[[4-anilino-1-  
naphthyl]]4-  
(dimethylamino)phen  
 $\alpha,\alpha$ -Bis[4-  
(dimethylamino)phenyl]-4  
(phenylamino)  
lead  
cadmium  
cadmium fluoride  
dioxobis(stearato)trilead  
Lead titanium  
zirconium oxide  
cadmium hydroxide  
Acetic acid, lead salt,  
basic  
Sulfurous acid, lead  
salt, dibasic  
dioxobis(stearato)trilead  
lead oxide sulfate  
pentalead tetraoxide  
sulphate  
trilead dioxide  
phosphonate  
tetralead trioxide  
sulphate  
dioxobis(stearato)trilead  
dichromium  
tris(chromate)

4,4'-  
bis(dimethylamino)benzophenone  
1,2-dimethoxyethane  
cadmium carbonate  
[4-[4,4'-  
bis(dimethylamino)  
benzhydrylidene]cycl  
dichromium  
tris(chromate)  
Formaldehyde,  
polymer with  
benzenamine  
bis(2-methoxyethyl)  
phthalate  
lead diazide  
phenolphthalein  
dichromium  
tris(chromate)  
cadmium sulphide  
orange lead  
trilead bis(carbonate)  
dihydroxide  
Lead oxide  
1,3,5-  
tris(oxiranylmethyl)-1,3,5-  
triazine-2,4,6(  
cadmium sulphide  
4,4'-  
bis(dimethylamino)-4"-  
(methylamino)trityl  
bis(pentabromophenyl)  
ether  
diboron trioxide  
cadmium oxide (non-  
pyrophoric)  
cadmium sulphide

**Halogen-Free  
Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Compliant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[200502](#) Series

**Mates With**

[1600140001](#)

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