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Part Number: [2005010321](#)
Status: **Active**
Overview: [stAK50h Connection System](#)
Description: stAK50h Vertical Hybrid Header, 32 Circuits, Key 1, Black, Tube

Documents:

3D Model	Application Specification 2005060000-AS-000 (PDF)
Drawing (PDF)	Test Summary 2005010320-TS-000 (PDF)
3D Model (PDF)	Datasheet (PDF)
Product Specification 2005060001-PS-000 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	200501
Application	Automotive, Power, Signal, Wire-to-Board
Overview	stAK50h Connection System
Product Name	stAK50h
UPC	889056679572

Physical

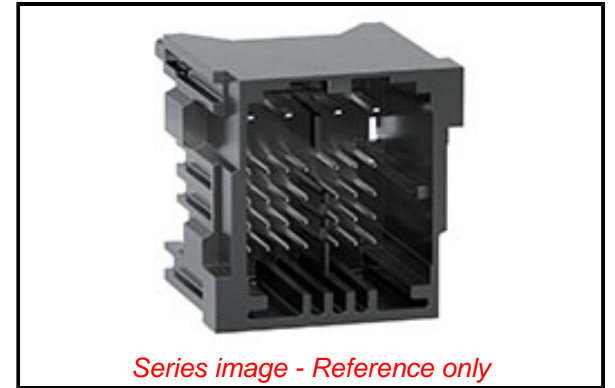
Breakaway	No
Circuits (Loaded)	32
Circuits (maximum)	32
Color - Resin	Black
Durability (mating cycles max)	10
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	SPS
Net Weight	6.439/g
Number of Rows	5
Orientation	Vertical
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, 3.20mm, 4.00mm, 5.20mm
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



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2020)4578-DC (25
June 2020)
di-n-pentyl phthalate
(DPP)
tricosafuorododecanoic
acid
perfluorooctanoic acid
heptacosafuorotetradecanoic
acid
dodecamethylcyclohexasiloxane
decamethylcyclopentasiloxane
octamethylcyclotetrasiloxane
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
diisopentylphthalate
methoxyacetic acid
1,2-diethoxyethane
dibutyltin dichloride
2-methylimidazole
4,4'-methylenedi-o-
toluidine
1-vinylimidazole
1,3-propanesultone
chromium trioxide
disodium 4-
amino-3-[[4'-[(2,4-
diaminophenyl)azo]
hencosafuoroundecanoic
acid
ammoniumpentadecafluorooctanoate
sodium
peroxometaborate
1,7,7-trimethyl-3-
(phenylmethylene)bicyclo[2.2.1
C,C'-
azodi(formamide)
benzo[a]pyrene

China RoHS

Application Specification
Product Specification
Sales Drawing
Test Summary

2005060000-AS-000
2005060001-PS-000
2005011320SD-000
2005010320-TS-000

4-aminoazobenzene
diethyl sulphate
propylene oxide
dimethyl sulphate
N-methylacetamide
p-(1,1-dimethylpropyl)phenol
dihexyl phthalate
(DnHP)
phenanthrene
dinoseb (ISO)
butyl 4-hydroxybenzoate
o-toluidine
4-methyl-m-phenylenediamine
ethylene thiourea
4-o-tolylazo-o-toluidine
4-tert-butylphenol
nitrobenzene
1-bromopropane
ethylenediamine
furan
2-methoxyethyl acetate
6-methoxy-m-toluidine
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
4-Nonylphenol, branched and linear, ethoxylated
4-Heptylphenol, branched and linear
Nonadecafluorodecanoic acid (PFDA) and its sodium salt
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid
Tris(4-nonylphenyl, branched and linear) phosphite
Perfluorobutane sulfonic acid (PFBS) and its sodium salt
Fluoranthene
Pyrene
Chrysene
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octane
Reaction products of 1,3,4-thiadiazolidine-2,5-dione
Perfluorononan-1-oic acid
(2,2,3,3,4,4,5,5,6,6,7,7,7,7-tetrafluoro-2-(2,2,3,3,4,4,5,5,6,6,7,7,7,7-tetrafluoroheptafluoropropoxy)propionic acid)
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
hexahydro-2-benzofuran-1,3-dione
Methylhexahydrophthalic anhydride

Sodium perborate;
perboric acid, sodium
salt
Cadmium sulphate
reaction mass of
2-ethylhexyl 10-
ethyl-4,4-dioct
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
Trixylyl phosphate
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
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
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
diisohexyl phthalate
pentacosafuorotridecanoic
acid
1,2-
benzenedicarboxylic
acid, dipentylester,
bra
2-methyl-1-(4-
methylthiophenyl)-2-
morpholinoprop
4,4-
isobutylethylidenediphenol
2-benzyl-2-
dimethylamino-4-
morpholinobutyropheno
3-ethyl-2-methyl-2-
(3-methylbutyl)-1,3-
oxazolidi
n-pentyl-
isopentylphthalate
1,3-BENZENEDIOL,
TRINITRO-, LEAD
SALT
Hydrazine
Disodium tetraborate
Boric acid
4,4'-Oxydianiline and
its salts
Aluminosilicate
Refractory Ceramic
Fibres

Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Acids generated from
chromium trioxide and
their
4-Nonylphenol,
branched and linear
[substances w
cobalt di(acetate)
cobalt dinitrate
cobalt sulphate
2-ethoxyethyl acetate
strontium chromate
1,2-
benzenedicarboxylic
acid; di-C7-11-
branched
N-methyl-2-
pyrrolidone
1,2,3-trichloropropane
1,2-
benzenedicarboxylic
acid; di-C6-8-
branched a
calcium arsenate
bis(2-methoxyethyl)
ether
potassium
hydroxyoctaoxidizincatedichromate(1-)
lead dipicrate
N,N-
dimethylacetamide
arsenic acid
2-methoxyaniline
trilead diarsenate
1,2-dichloroethane
pentazinc chromate
octahydroxide
Formaldehyde,
polymer with
benzenamine
bis(2-methoxyethyl)
phthalate
lead diazide
cobalt carbonate
triethyl arsenate
4,4'-
diaminodiphenylmethane
lead hydrogen
arsenate
2,4-dinitrotoluene
Anthracene oil;
Anthracene oil
Anthracene oil,
anthracene paste;
Anthracene Oil
Anthracene oil,
anthracene paste,
anthracene fra
Anthracene oil,
anthracene paste,
distn. lights;

Anthracene oil,
anthracene-low;
Anthracene Oil F
diisobutyl phthalate
(DIBP)
lead chromate
Lead chromate
molybdate sulfate red
Lead sulfochromate
yellow
Pitch, coal tar, high-
temp.; Pitch
tris(2-chloroethyl)
phosphate
ammonium
dichromate
potassium chromate
potassium dichromate
sodium chromate
tetraboron disodium
heptaoxide, hydrate
trichloroethylene
2-ethoxyethanol
cadmium
cadmium fluoride
pyrochlore, antimony
lead yellow
lead dinitrate
cadmium chloride
Silicic acid, lead salt
lead oxide sulfate
lead titanium trioxide
pentalead tetraoxide
sulphate
trilead dioxide
phosphonate
tetralead trioxide
sulphate
dioxobis(stearato)trilead
Lead titanium
zirconium oxide
lead
bis(tetrafluoroborate)
lead cyanamidate
Acetic acid, lead salt,
basic
Sulfurous acid, lead
salt, dibasic
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
[phthalato(2-)]dioxotrilead
Fatty acids, C16-18,
lead salts
lead(II)
methanesulphonate
1,3,5-tris-[(2S
and 2R)-2,3-
epoxypropyl]-1,3,5-t
lead
phenolphthalein
dichromium
tris(chromate)
2,2'-dichloro-4,4'-
methylenedianiline

formamide
tetraethyllead
4,4'-
bis(dimethylamino)benzophenone
N,N,N',N'-
tetramethyl-4,4'-
methyldianiline
1,2-dimethoxyethane
1,2-bis(2-
methoxyethoxy)ethane
lead di(acetate)
[4-[4,4'-
bis(dimethylamino)
benzhydrylidene]cycl
4,4'-
bis(dimethylamino)-4"-
(methylamino)trityl
bis(pentabromophenyl)
ether
diboron trioxide
cadmium oxide (non-
pyrophoric)
cadmium sulphide
orange lead
trilead bis(carbonate)
dihydroxide
Lead oxide
1,3,5-
tris(oxiranylmethyl)-1,3,5-
triazine-2,4,6(
[4-[[4-anilino-1-
naphthyl][4-
(dimethylamino)phen
 α,α #Bis[4-
(dimethylamino)phenyl]-4
(phenylamino)

**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

[200501](#) Series

Mates With

stAK50h Hybrid Receptacle [1600280011](#)

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