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Part Number: [0022284054](#)
Status: **Active**
Overview: SPOX Connector System
Description: KK 254 Breakaway Header, Vertical, 5 Circuits, 0.38µm Gold (Au) Selective Plating, Mating Pin Length 8.13mm

Documents:

3D Model	Product Specification PS-10-07-001 (PDF)
Drawing (PDF)	Packaging Specification PK-40873-0041-001 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	42375
Application	Board-to-Board, Signal, Wire-to-Board
Overview	SPOX Connector System
Product Name	KK 254
UPC	800754386357

Physical

Breakaway	Yes
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.343/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.05mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	2.54mm
Plating min - Mating	0.381µm
Plating min - Termination	2.540µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	See Product Specification
Termination Interface: Style	Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

China RoHS

Contained Per -
D(2020)4578-DC (25
June 2020)
henicosafuoroundecanoic
acid
disodium 4-
amino-3-[[4'-[(2,4-
diaminophenyl)azo]
chromium trioxide
1,3-propanesultone
1-vinylimidazole
4,4'-methylenedi-o-
toluidine
dibutyltin dichloride
methoxyacetic acid
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)]-
octamethylcyclotetrasiloxane
benzene-1,2,4-
tricarboxylic acid 1,2-
anhydride
decamethylcyclopentasiloxane
dodecamethylcyclohexasiloxane
heptacosafuorotetradecanoic
acid
tricosafuorododecanoic
acid
Dipentyl phthalate
6-methoxy-m-toluidine
furan
1-bromopropane
nitrobenzene
4-o-tolylazo-o-
toluidine

Electrical

Current - Maximum per Contact 4.0A
Voltage - Maximum 500V

Solder Process Data

Duration at Max. Process Temperature (seconds) 005
Lead-free Process Capability WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 260

Material Info

Engineering Number 42375-0145

Reference - Drawing Numbers

Packaging Specification PK-40873-0041-001
Product Specification PS-10-07-001
Sales Drawing SD-42375-001-001, SD-42375-001-002

ethylene thiourea
4-methyl-m-phenylenediamine
o-toluidine
butyl 4-hydroxybenzoate
dinoseb (ISO)
dihexyl phthalate (DnHP)
dicyclohexyl phthalate
N-methylacetamide
dimethyl sulphate
diethyl sulphate
4-aminoazobenzene
Fatty acids, C16-18, lead salts
[phthalato(2-)]dioxotrilead
Silicic acid (H₂Si₂O₅), barium salt (1:1), lead-
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
Cadmium sulphate
Sodium perborate; perboric acid, sodium salt
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
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Chrysene
Cadmium nitrate
Pyrene
Tris(4-nonylphenyl, branched and linear)
phosphi
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
Trixylyl phosphate
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Aluminosilicate
Refractory Ceramic
Fibres

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, dipentyl ester, br
pentacosafuorotridecanoic
acid
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
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
Disodium-octaborate
sodium
peroxometaborate
Ammonium-
pentadecafluorooctanoate
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
N-methyl-2-
pyrrolidone
1,2-
Benzenedicarboxylic
acid, di-C7-11-
branched
2-ethoxyethyl acetate
Cobalt sulphate

Acetic acid, cobalt(2+) salt
Carbonic acid, cobalt(2+) salt (1:1)
Boric acid, disodium salt, hydrate
sodium chromate
potassium dichromate
potassium chromate
ammonium dichromate
Tris(2-chloroethyl) phosphate
Lead sulfochromate yellow
Lead chromate
molybdate sulfate red
lead chromate
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
Butylbenzylphthalate (BBP)
lead hydrogen arsenate
bis(2-ethylhexyl) phthalate (DEHP)
dibutyl phthalate (DBP)
4,4'-diaminodiphenylmethane
triethyl arsenate
Sulfurous acid, lead salt, dibasic
Acetic acid, lead salt, basic
cadmium hydroxide
Lead titanium zirconium oxide
dioxobis(stearato)trilead
tetralead trioxide sulphate
Trilead-dioxide-phosphonate
pentalead tetraoxide sulphate
lead oxide sulfate
Silicic acid, lead salt
cadmium chloride
lead dinitrate
pyrochlore, antimony
lead yellow
Cadmium-fluoride
cadmium
lead

α,α #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
cadmium carbonate
1,2-dimethoxyethane
4,4'-
bis(dimethylamino)benzophenone
dichromium
tris(chromate)
phenolphthalein
lead diazide
1,2-
Benzenedicarboxylic
acid, bis(2-
methoxyethyl
Formaldehyde,
polymer with
benzenamine

Halogen-Free

Status

Not Low-Halogen

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

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

[42375 Series](#)

Mates With

KK Crimp Housing [2695](#) , [6471](#) , [7880](#) , KK
PC Board Connector [4455](#)

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