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Part Number: [0022284280](#)
Status: **Active**
Overview: [KK Interconnect Solutions](#)
Description: KK 254 Breakaway Header, Vertical, 28 Circuits, Tin (Sn) Plating, Mating Pin Length 6.09mm

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

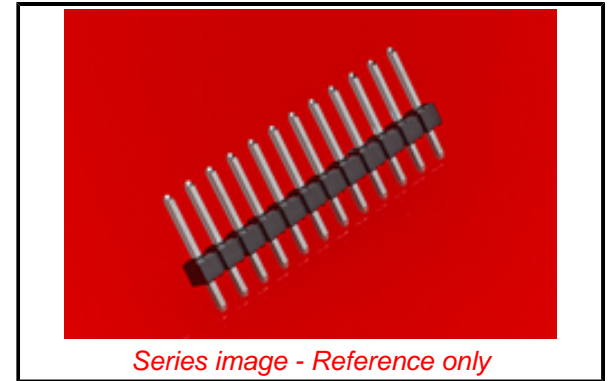
Product Family	PCB Headers
Series	42375
Application	Board-to-Board, Signal, Wire-to-Board
Overview	KK Interconnect Solutions
Product Name	KK 254
UPC	800753836228

Physical

Breakaway	Yes
Circuits (Loaded)	28
Circuits (maximum)	28
Color - Resin	Black
Durability (mating cycles max)	25
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	Yes
Material - Plating Mating	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.860/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.18mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	2.54mm
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

Electrical

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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant
REACH SVHC

China RoHS

Contained Per -
D(2021)4569-DC (8
July 2021)
Phenol, 2-(2H-
benzotriazol-2-yl)-4,6-
bis(1,1-dim
Ammonium-
pentadecafluorooctanoate
1,3-Propanesultone
4,4'-methylenedi-o-
toluidine
1,2-diethoxyethane
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
Disodium 3,3'-[[1,1'-
Biphenyl]-4,4'-
Diylbis(Azo)
Octamethylcyclotetrasiloxane
Dodecamethylcyclohexasiloxane
heptacosafuorotetradecanoic
acid
Octanoic acid,
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-
pen
tricosafuorododecanoic
acid
Benzo(ghi)perylene
Dipentyl phthalate
nitrobenzene
Imidazolidine-2-thione
o-toluidine
Dinoseb
Phenanthrene
Dihexyl-phthalate
Dicyclohexyl-
phthalate
propylene oxide

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	235

Material Info

Engineering Number	42375-0028
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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

N,N-Dimethylformamide
diethyl sulphate
4-aminoazobenzene
1,3,5-tris-[(2S
and 2R)-2,3-
epoxypropyl]-1,3,5-t
Perfluorohexane-1-
sulphonic acid and its
salts
Cadmium sulphate
hexahydro-2-
benzofuran-1,3-dione
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
Diocetyl tin dilaurate,
stannane, dioctyl-,
bis(co
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Chrysene
Cadmium nitrate
Benz[a]anthracene
Perfluorobutane
sulfonic acid (PFBS)
and its sal
Tris(4-nonylphenyl,
branched and linear)
phosphi
Nonadecafluorodecanoic
acid (PFDA) and its
sodiu
4-Heptylphenol,
branched and linear
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
Acids generated from
chromium trioxide and
their
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Aluminosilicate
Refractory Ceramic
Fibres
Boric acid
n-pentyl-
isopentylphthalate
diisohexyl phthalate
Terphenyl,
hydrogenated
2-(2H-Benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
2-(2H-Benzotriazol-2-
yl)-4,6-
ditertpentylphenol
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
Disodium-octaborate

2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)p
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
Lead-dipicrate
Potassium
hydroxyoctaoxidizincatedichromate
bis(2-methoxyethyl)
ether
1,2-
Benzenedicarboxylic
acid, di-C₆-8-
branched a
1,2,3-
Trichloropropane
Strontium-chromate
2-Ethoxyethyl acetate
2-Ethoxyethanol
Boric acid, disodium
salt, hydrate
Sodium-chromate
Acrylamide
Tris(2-chloroethyl)
phosphate
Pitch, coal tar, high-
temp.
Lead chromate
molybdate sulfate red
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
Arsenic acid
(H₃AsO₄), lead(2+)
salt (1:1)
Bis(tributyltin) oxide
Alkanes, C₁₀-13,
chloro
Di-(2-
ethylhexyl)phthalat
5-tert-Butyl-2,4,6-
trinitro-m-xylene
Cobalt-dichloride
4,4'-
diaminodiphenylmethane
Sulfurous Acid, Lead
Salt, Dibasic
Cadmium Hydroxide
Cyanamide, lead(2+)
salt (1:1)
Borate(1-),
tetrafluoro-, lead (2+)

Lead titanium
zirconium oxide
Lead-titanium-trioxide
Lead oxide sulfate
(Pb₂O(SO₄))
Silicic acid, lead salt
Lead-dinitrate
Cadmium-fluoride
Cadmium
1,3,5-
tris(oxiranylmethyl)-1,3,5-
triazine-2,4,6(
Lead Oxide
Trilead bis(carbonate)
dihydroxide
Lead(II,IV)-oxide
Cadmium-sulphide
Cadmium-oxide
Diboron-trioxide
1,2-bis(2-
methoxyethoxy)ethane
formamide
2,2'-dichloro-4,4'-
methylenedianiline
phenolphthalein
Lead-diazide
1,2-
Benzenedicarboxylic
acid, bis(2-
methoxyethyl
Pentazinc-chromate-
octahydroxide
Trilead-diarsenate

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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