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Part Number: **0780470443**
Status: **Active**
Overview: Pico-SPOX Wire-to-Board Connector System
Description: Pico-SPOX Wire-to-Board Header, 1.50mm Pitch, Surface Mount, Vertical, Tin (Sn) Plating, without Cap, Liquid Crystal Polymer, 4 Circuits, Beige, Tape and Reel

Documents:

3D Model	Product Specification PS-78047-001-001 (PDF)
3D Model (PDF)	Packaging Specification SPK-78047-001-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

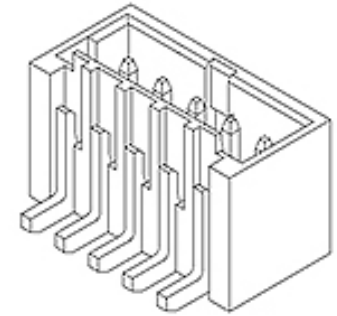
Product Family	PCB Headers
Series	78047
Application	Signal, Wire-to-Board
Overview	<u>Pico-SPOX Wire-to-Board Connector System</u>
Product Name	Pico-SPOX
UPC	800756709581

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Beige
Durability (mating cycles max)	10
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 - Metal	Brass
Material - Plating Mating	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	0.256/g
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.50mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	2.5A
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2021)10043-DC (17
Jan 2022)
Benzo(ghi)perylene
tricosafuorododecanoic
acid
Octanoic acid,
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-
pen
heptacosafuorotetradecanoic
acid
Dodecamethylcyclohexasiloxane
Decamethylcyclopentasiloxane
Benzene-1,2,4-
tricarboxylic acid 1,2-
anhydride
Disodium 3,3'-[[1,1'-
Biphenyl]-4,4'-
Diylbis(Azo)
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
methoxyacetic acid
1,2-diethoxyethane
Dibutyltin-dichloride
2-methylimidazole
4,4'-methylenedi-o-
toluidine
1-vinylimidazole
1,3-Propanesultone
chromium trioxide
C.I. Direct Black 38
henicosafuoroundecanoic
acid
Ammonium-
pentadecafluorooctanoate
sodium
peroxometaborate

China RoHS

Voltage - Maximum

250V AC

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-78047-001-001

Product Specification

PS-78047-001-001

Sales Drawing

SD-78047-001-001

Disodium-octaborate
1,7,7-trimethyl-3-
(phenylmethylene)bicyclo[2.2.1
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
Acetamide, N-methyl-
p-(1,1-
dimethylpropyl)phenol
Dicyclohexyl-
phthalate
Dihexyl-phthalate
Phenanthrene
Dinoseb
butyl 4-
hydroxybenzoate
o-toluidine
4-methyl-m-
phenylenediamine
Imidazolidine-2-thione
4-o-tolylazo-o-
toluidine
4-tert-butylphenol
nitrobenzene
1-bromopropane
Ethylenediamine
furan
2-Methoxyethyl
acetate
Glutaral
6,6'-di-tert-butyl-2,2'-
methylenedi-p-cresol
6-methoxy-m-toluidine
C,C'-
azodi(formamide)
1,4-dioxane
Dipentyl phthalate
bis(2-(2-
methoxyethoxy)ethyl)
ether
2-(2H-Benzotriazol-2-
yl)-4,6-
ditertpentylphenol
2,3,3,3-tetrafluoro-2-
(heptafluoropropoxy)propio
Tris(4-nonylphenyl,
branched and linear)
phosphi
2,2-
bis(bromomethyl)propane-1,3-
diol (BMP); 2,2-
2-(4-tert-
butylbenzyl)propionaldehyde
and its in
Medium-chain
chlorinated paraffins
(MCCP)
orthoboric acid,
sodium salt
Phenol, alkylation
products (mainly in
para posi
Perfluorobutane
sulfonic acid (PFBS)
and its sal

Fluoranthene
Pyrene
Benz[a]anthracene
Cadmium nitrate
Chrysene
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Diocyltin dilaurate,
stannane, dioctyl-,
bis(co
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
Methylhexahydrophthalic
anhydride
Sodium perborate;
perboric acid, sodium
salt
Cadmium sulphate
reaction mass of
2-ethylhexyl 10-
ethyl-4,4-dioct
5-sec-butyl-2-(2,4-
dimethylcyclohex-3-
en-1-yl)-5
Perfluorohexane-1-
sulphonic acid and its
salts
Terphenyl,
hydrogenated
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
diisohexyl phthalate
pentacosafuorotridecanoic
acid
1,2-
Benzenedicarboxylic
acid, dipentyl ester, br
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
S-
(tricyclo(5.2.1.02,6)deca-3-
en-8(or 9)-yl O-(i
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
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
4-Nonylphenol,
branched and linear,
ethoxylated
4-Heptylphenol,
branched and linear
Nonadecafluorodecanoic
acid (PFDA) and its
sodiu
Carbonic acid,
cobalt(2+) salt (1:1)
Acetic acid, cobalt(2+)
salt
Cobalt-dinitrate
Cobalt sulphate
2-Ethoxyethyl acetate
Strontium-chromate
1,2-
Benzenedicarboxylic
acid, di-C7-11-
branched
1-Methyl-2-
pyrrolidone
1,2,3-
Trichloropropane
1,2-
Benzenedicarboxylic
acid, di-C6-8-
branched a
Calcium-arsenate
bis(2-methoxyethyl)
ether
Potassium
hydroxyoctaoxidizincatedichromate
Lead-dipicrate
N,N-
dimethylacetamide
(DMAc, DMA)
Arsenic-acid
2-methoxyaniline
Trilead-diarsenate
1,2-dichloroethane
Formaldehyde,
polymer with
benzenamine
1,2-
Benzenedicarboxylic

acid, bis(2-methoxyethyl phenolphthalein
Dichromium tris(chromate)
2,2'-dichloro-4,4'-methylenedianiline
Arsenic acid (H₃AsO₄), triethyl ester
4,4'-diaminodiphenylmethane
Dibutylphthalate
Di-(2-ethylhexyl)phthalat
Arsenic acid (H₃AsO₄), lead(2+) salt (1:1)
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
Lead chromate
Lead chromate molybdate sulfate red
Lead sulfochromate yellow
Pitch, coal tar, high-temp.
Tris(2-chloroethyl) phosphate
Ammonium-dichromate
Potassium-chromate
Potassium-dichromate
Sodium-chromate
Boric acid, disodium salt, hydrate
Trichloroethylene
2-Ethoxyethanol
formamide
Cadmium-chloride
Silicic acid, lead salt
Lead oxide sulfate (Pb₂O(SO₄))
Lead-titanium-trioxide
Pentalead-tetraoxide-sulphate
Trilead-dioxide-phosphonate
Tetralead-trioxide-sulphate
Dioxobis(stearato)trilead

Lead titanium
zirconium oxide
Borate(1-),
tetrafluoro-, lead (2+)
Cyanamide, lead(2+)
salt (1:1)
Cadmium Hydroxide
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)
methanesulfonate
1,3,5-tris-[(2S
and 2R)-2,3-
epoxypropyl]-1,3,5-t
4-aminoazobenzene
diethyl sulphate
propylene oxide
4,4'-(1-
Methylpropylidene)bisphenol
dimethyl sulphate
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)
Cadmium-carbonate
[4-[4,4'-
bis(dimethylamino)
benzhydrylidene]cycl
4,4'-
bis(dimethylamino)-4''-
(methylamino)trityl
Decabromodiphenylether
Diboron-trioxide
Cadmium-oxide
Cadmium-sulphide
Lead(II,IV)-oxide
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)
Lead
Cadmium
Cadmium-fluoride

pyrochlore, antimony
lead yellow
Lead-dinitrate
Halogen-Free
Status
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

[78047](#) Series

Mates With

Pico-SPOX Wire-to-Board Housing [87439](#)

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