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**Part Number:** [0545991016](#)  
**Status:** **Active**  
**Overview:** [2.00mm I/O Connectors](#)  
**Description:** 2.00mm Pitch I/O Hand Soldering Type Plug Set, Black Cover, 10 Circuits

**Documents:**

[3D Model](#) [3D Model \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family I/O Connectors  
 Series [54599](#)  
 Application Wire-to-Board  
 Component Type Kit  
 Overview [2.00mm I/O Connectors](#)  
 Product Name 2.00mm I/O Connectors  
 Type N/A  
 UPC 883906714703

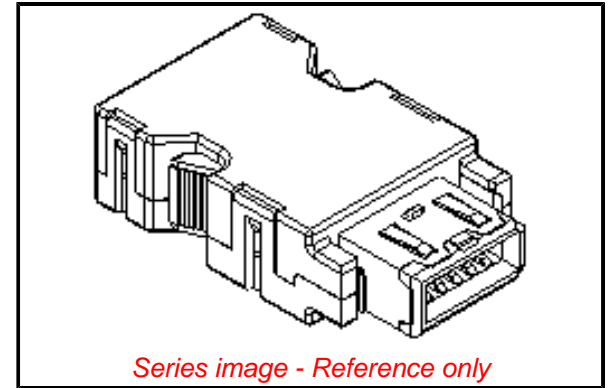
**Physical**

Circuits (Loaded) 10  
 Circuits (maximum) 10  
 Color - Resin Black  
 Durability (mating cycles max) 50  
 Lock to Mating Part Yes  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Polyamide, Polycarbonate  
 Net Weight 13157.571/mg  
 Number of Rows 2  
 Orientation Vertical  
 Packaging Type Bag  
 Panel Mount No  
 Pitch - Mating Interface 2.00mm  
 Plating min - Mating 0.305µm  
 Plating min - Termination 1.016µm  
 Polarized to Mating Part Yes  
 Temperature Range - Operating -40° to +85°C  
 Termination Interface: Style Solder or Weld

**Electrical**

Current - Maximum per Contact 2.0A  
 Shielded Yes  
 Voltage - Maximum 125V AC (RMS)/DC

**Material Info**



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
 D(2020)4578-DC (25  
 June 2020)  
 disodium 3,3'-[[1,1'-  
 biphenyl]-4,4'-  
 diylbis(azo)  
 1,2-diethoxyethane  
 1-vinylimidazole  
 1,3-propanesultone  
 disodium 4-  
 amino-3-[[4'-[(2,4-  
 diaminophenyl)azo]  
 ammoniumpentadecafluorooctanoate  
 2-benzotriazol-2-  
 yl-4,6-di-tert-  
 butylphenol  
 2,4-di-tert-butyl-6-(5-  
 chlorobenzotriazol-2-  
 yl)p  
 sodium  
 peroxometaborate  
 2-ethylhexyl 10-  
 ethyl-4,4-dioctyl-7-  
 oxo-8-oxa-3,  
 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  
 dodecamethylcyclohexasiloxane  
 benzo[a]pyrene  
 dimethyl sulphate

**China RoHS**

N-methylacetamide  
p-(1,1-dimethylpropyl)phenol  
dicyclohexyl phthalate  
phenanthrene  
butyl 4-hydroxybenzoate  
o-toluidine  
4-methyl-m-phenylenediamine  
ethylene thiourea  
4-o-tolylazo-o-toluidine  
furan  
di-n-pentyl phthalate (DPP)  
perfluorooctanoic acid  
dodecamethylcyclhexasiloxane  
pentacosafuorotridecanoic acid  
Nonadecafluorodecanoic acid (PFDA) and its sodiu  
Tris(4-nonylphenyl, branched and linear) phosphi  
Perfluorobutane sulfonic acid (PFBS) and its sal  
Pyrene  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
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  
Methylhexahydrophthalic anhydride  
Bisphenol-A  
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  
4-Nonylphenol, branched and linear, ethoxylated  
pentacosafuorotridecanoic acid  
1,2-benzenedicarboxylic acid, dipentylester, bra

2-methyl-1-(4-methylthiophenyl)-2-morpholinoprop  
2-benzyl-2-dimethylamino-4-morpholinobutyropheno  
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidi  
n-pentyl-  
isopentylphthalate  
Disodium tetraborate  
Boric acid  
4,4'-Oxydianiline and its salts  
Sodium dichromate  
Aluminosilicate  
Refractory Ceramic Fibres  
Zirconia  
Aluminosilicate  
Refractory Ceramic Fibr  
4-Nonylphenol, branched and linear [substances w  
Trixylyl phosphate  
4-Nonylphenol, branched and linear, ethoxylated  
potassium chromate  
potassium dichromate  
tetraboron disodium heptaoxide, hydrate  
trichloroethylene  
2-ethoxyethanol  
2-methoxyethanol  
cobalt carbonate  
cobalt dinitrate  
cobalt sulphate  
2-ethoxyethyl acetate  
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  
potassium  
hydroxyoctaoxidizincatedichromate(1-)  
potassium chromate  
4,4'-diaminodiphenylmethane  
dibutyl phthalate (DBP)  
cobalt dichloride  
diarsenic pentaoxide  
diarsenic trioxide  
musk xylene  
bis(2-ethylhexyl) phthalate (DEHP)

alkanes, C10-13,  
chloro  
bis(tributyltin) oxide  
lead hydrogen  
arsenate  
Anthracene oil,  
anthracene-low;  
Anthracene Oil F  
lead chromate  
Lead chromate  
molybdate sulfate red  
Pitch, coal tar, high-  
temp.; Pitch  
potassium  
hydroxyoctaoxidizincatedichromate(1-)  
[4-[[4-anilino-1-  
naphthyl]]4-  
(dimethylamino)phen  
lead  
cadmium  
lead dinitrate  
Silicic acid, lead salt  
lead oxide sulfate  
lead titanium trioxide  
tetralead trioxide  
sulphate  
dioxobis(stearato)trilead  
lead  
bis(tetrafluoroborate)  
Sulfurous acid, lead  
salt, dibasic  
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  
benzo[a]pyrene  
[4-[[4-anilino-1-  
naphthyl]]4-  
(dimethylamino)phen  
arsenic acid  
trilead diarsenate  
pentazinc chromate  
octahydroxide  
bis(2-methoxyethyl)  
phthalate  
dichromium  
tris(chromate)  
2,2'-dichloro-4,4'-  
methylenedianiline  
N,N,N',N'-  
tetramethyl-4,4'-  
methylenedianiline  
cadmium carbonate  
diboron trioxide  
cadmium oxide (non-  
pyrophoric)  
orange lead  
trilead bis(carbonate)  
dihydroxide  
Lead oxide  
1,3,5-  
tris(oxiranylmethyl)-1,3,5-  
triazine-2,4,6(

**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**

[54599](#) Series

**Mates With**

2.00mm Pitch I/O PCB Receptacle

[554451029](#)

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