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**Part Number:** [2018421040](#)  
**Status:** **Active**  
**Overview:** MultiCat Power Connectors with Precision-Machined Contacts  
**Description:** MultiCat High-Power Vertical Header, 4 Circuits, Key A, Black

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification 2018420000-PK-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 2018400000-TS-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 2018400000-PS-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification 2018400000-AS-000 (PDF)</a>	



**Agency Certification**

UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">201842</a>
Application	Power, Wire-to-Board
Overview	<a href="#">MultiCat Power Connectors with Precision-Machined Contacts</a>
Product Name	MultiCat
UPC	889056747677

**Physical**

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	PEI
Net Weight	10.947/g
Number of Rows	1
Orientation	Vertical
PCB Thickness - Recommended	2.50mm
Packaging Type	Tray
Pitch - Mating Interface	7.40mm
Plating min - Mating	0.102µm
Plating min - Termination	5.080µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Temperature Range - Operating	-40° to +150°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	40.0A
Voltage - Maximum	1000V AC/DC

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per -  
D(2020)4578-DC (25  
June 2020)  
2-methoxyethyl  
acetate  
6-methoxy-m-toluidine  
C,C'-  
azodi(formamide)  
di-n-pentyl phthalate  
(DPP)  
tricosafuorododecanoic  
acid  
perfluorooctanoic acid  
heptacosafuorotetradecanoic  
acid  
dodecamethylcyclhexasiloxane  
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  
lead(II)  
methanesulphonate

**China RoHS**

**Material Info**

Engineering Number 2018421040-FCT

**Reference - Drawing Numbers**

Application Specification 2018400000-AS-000  
Packaging Specification 2018420000-PK-000  
Product Specification 2018400000-PS-000  
Sales Drawing 2018420000-SD-000  
Test Summary 2018400000-TS-000

1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-t benzo[a]pyrene  
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  
sodium  
peroxometaborate  
Trixylyl phosphate  
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  
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio  
Tris(4-nonylphenyl, branched and linear) phosphi  
Fluoranthene  
Pyrene  
Chrysene  
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  
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  
1,7,7-trimethyl-3-  
(phenylmethylene)bicyclo[2.2.1  
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-(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 carbonate  
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  
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  
lead diazide  
lead  
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 (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  
phenolphthalein  
dichromium  
tris(chromate)  
2,2'-dichloro-4,4'-  
methylenedianiline  
formamide  
tetraethyllead  
4,4'-  
bis(dimethylamino)benzophenone  
N,N,N',N'-  
tetramethyl-4,4'-  
methylenedianiline

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  
 $\alpha,\alpha$ #Bis[4-  
(dimethylamino)phenyl]-4  
(phenylamino)

**Halogen-Free  
Status**

**Low-Halogen**

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

China ROHS	50 Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[201842](#) Series

**Mates With**

MultiCat High-Power Inline Receptacle  
Housing [201841](#)

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