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Part Number: [2018431031](#)
Status: **Active**
Overview: MultiCat Power Connectors with Precision-Machined Contacts
Description: MultiCat High-Power Right-Angle Header, 3 Circuits, Key B, Gray

Documents:

Drawing (PDF)	Packaging Specification 2018420000-PK-000 (PDF)
3D Model	Test Summary 2018400000-TS-000 (PDF)
3D Model (PDF)	Datasheet (PDF)
Product Specification 2018400000-PS-000 (PDF)	Symbol Footprint Data SYM-201843-1030 (PDF)
Application Specification 2018400000-AS-000 (PDF)	RoHS Certificate of Compliance (PDF)



Series image - Reference only

Agency Certification

UL E29179

General

Product Family	PCB Headers
Series	201843
Application	Power, Wire-to-Board
Overview	MultiCat Power Connectors with Precision-Machined Contacts
Product Name	MultiCat
UPC	889056747684

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Gray
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	11.086/g
Number of Rows	1
Orientation	Right Angle
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)
dibutyltin dichloride
1,2-diethoxyethane
dibutyltin dichloride
2-methylimidazole
4,4'-methylenedi-o-toluidine
1-vinylimidazole
1,2-diethoxyethane
methoxyacetic acid
diisopentylphthalate
disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)
octamethylcyclotetrasiloxane
1,3-propanesultone
chromium trioxide
disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo]henicosaf luoroundecanoic acid
ammoniumpentadecafluorooctanoate
sodium
peroxometaborate
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)-4,6-ditertpentylphenol
dimethyl sulphate

China RoHS

Material Info

Engineering Number

2018431031-FCT

Reference - Drawing Numbers

Application Specification

2018400000-AS-000

Packaging Specification

2018420000-PK-000

Product Specification

2018400000-PS-000

Sales Drawing

2018430000-SD-000

Symbol/Footprint Data

SYM-201843-1030

Test Summary

2018400000-TS-000

N-methylacetamide

p-(1,1-dimethylpropyl)phenol
dihexyl phthalate
(DnHP)phenanthrene
dinoseb (ISO)butyl 4-
hydroxybenzoate
o-toluidine4-methyl-m-
phenylenediamineethylene thiourea
4-o-tolylazo-o-
toluidine4-tert-butylphenol
nitrobenzene1-bromopropane
ethylenediamine

furan

2-methoxyethyl
acetate6-methoxy-m-toluidine
C,C'-azodi(formamide)
di-n-pentyl phthalate
(DPP)tricosafuorododecanoic
acid

perfluorooctanoic acid

heptacosafuorotetradecanoic
acid

dodecamethylcyclohexasiloxane

decamethylcyclopentasiloxane

2-(2H-benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-bNonadecafluorodecanoic
acid (PFDA) and its

sodiu

2,3,3,3-tetrafluoro-2-
(heptafluoropropoxy)propioTris(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-dPerfluorononan-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
anhydrideSodium 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
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
Trixylyl phosphate

4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
4-Nonylphenol, branched and linear, ethoxylated
4-Heptylphenol, branched and linear
propylene oxide
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
lead diazide
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
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
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
4,4'-
bis(dimethylamino)-4''-
(methylamino)trityl
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 (H₂Si₂O₅),
barium salt (1:1),
lead-
[phthalato(2-)]dioxotrilead

Fatty acids, C16-18,
lead salts
lead(II)
methanesulphonate
1,3,5-tris-[(2S
and 2R)-2,3-
epoxypropyl]-1,3,5-t
benzo[a]pyrene
4-aminoazobenzene
diethyl sulphate
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
 α,α #Bis[4-
(dimethylamino)phenyl]-4
(phenylamino)
lead
cadmium
cadmium fluoride
pyrochlore, antimony
lead yellow
lead dinitrate
cadmium chloride
Silicic acid, lead salt
lead oxide sulfate

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

[201843 Series](#)

Mates With

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

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