

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

2018450010

Status:

Active

Overview:

MultiCat Power Connectors with Precision-Machined Contacts

Description:

MultiCat High-Power Plug Terminal, Gold over Nickel Phosphorus Plating, 16-18 AWG



|                                                                   |                                                             |
|-------------------------------------------------------------------|-------------------------------------------------------------|
| Documents:                                                        |                                                             |
| <a href="#">Drawing (PDF)</a>                                     | <a href="#">Packaging Specification 2018460001-PK (PDF)</a> |
| <a href="#">Product Specification 2009140003-000 (PDF)</a>        | <a href="#">Test Summary 2009140003-TS-000 (PDF)</a>        |
| <a href="#">Product Specification 2018400000-PS-000 (PDF)</a>     | <a href="#">Test Summary 2018400000-TS-000 (PDF)</a>        |
| <a href="#">Application Specification 2009140003-AS-000 (PDF)</a> | <a href="#">Datasheet (PDF)</a>                             |
| <a href="#">Application Specification 2018400000-AS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>        |

|                                |                                                            |
|--------------------------------|------------------------------------------------------------|
| General                        |                                                            |
| Product Family                 | Crimp Terminals                                            |
| Series                         | 201845                                                     |
| Application                    | Power, Wire-to-Wire                                        |
| Crimp Quality Equipment        | Yes                                                        |
| Overview                       | MultiCat Power Connectors with Precision-Machined Contacts |
| Product Name                   | MultiCat                                                   |
| UPC                            | 889056747295                                               |
| Physical                       |                                                            |
| Durability (mating cycles max) | 500                                                        |
| Gender                         | Male                                                       |
| Material - Metal               | Copper Alloy                                               |
| Material - Plating Mating      | Gold over Nickel Phosphorus                                |
| Material - Plating Termination | Gold                                                       |
| Net Weight                     | 1.979/g                                                    |
| Packaging Type                 | Bag                                                        |
| Plating min - Mating           | 0.100µm                                                    |
| Plating min - Termination      | 0.200µm                                                    |
| Termination Interface: Style   | Crimp or Compression                                       |
| Wire Insulation Diameter       | 2.36mm-2.59mm                                              |
| Wire Size AWG                  | 16, 18                                                     |
| Wire Size mm²                  | 0.82-1.31                                                  |
| Electrical                     |                                                            |
| Current - Maximum per Contact  | 16.0A                                                      |
| Voltage - Maximum              | 1000V AC                                                   |
| Material Info                  |                                                            |
| Engineering Number             | FPG002P204                                                 |
| Reference - Drawing Numbers    |                                                            |
| Application Specification      | 2009140003-AS-000, 2018400000-AS-000                       |
| Packaging Specification        | 2018460001-PK                                              |
| Product Specification          | 2009140003-000, 2018400000-PS-000                          |
| Sales Drawing                  | 2018450010-000                                             |
| Test Summary                   | 2009140003-TS-000, 2018400000-TS-000                       |

|                                                                                 |            |
|---------------------------------------------------------------------------------|------------|
| EU ELV                                                                          |            |
| Not Relevant                                                                    |            |
| EU RoHS                                                                         | China 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)                                                     |            |
| tricosaf fluorododecanoic acid                                                  |            |
| perfluorooctanoic acid                                                          |            |
| heptacosaf fluorotetradecanoic acid                                             |            |
| dodecamethylcycl hexasiloxane                                                   |            |
| 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]henicosaf fluoroundecanoic acid |            |
| ammoniumpentadecafluorooctanoate                                                |            |
| lead(II)                                                                        |            |
| methanesulphonate                                                               |            |

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  
hydroxyoctaoxodizincatedichromate(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**  
[201845](#) Series

**Use With**  
MultiCat High-Power Circular Plug Housing [200914](#) , MultiCat High-Power Inline Plug Housing [201840](#)

**Application Tooling | [FAQ](#)**  
*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*  
**Global**

| Description                                                        | Product #                  |
|--------------------------------------------------------------------|----------------------------|
| Hand Crimp Tool for MultiCat Machined High-Power Contact, 8-18 AWG | <a href="#">2002182300</a> |
| Extraction Tool for MultiCat High-Power Crimp Terminals, 8-18 AWG  | <a href="#">2002220200</a> |

This document was generated on 10/27/2020

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**