

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0451420401](#)
Status: **Active**
Overview: MultiCat Power Connectors with Precision-Machined Contacts
Description: MultiCat-to-MultiCat High-Power Off-the-Shelf (OTS) Cable Assembly, Male, Single Row, 300.00mm Length, 8 AWG, 4 Circuits, Key A, Black

Documents:

3D Model	Datasheet (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
3D Model (PDF)	

General

Product Family	Cable Assemblies
Series	45142
Application	Power, Wire-to-Wire
Assembly Configuration	Dual Ended Connectors
Connector to Connector	MultiCat-to-MultiCat
Overmolded	No
Overview	MultiCat Power Connectors with Precision-Machined Contacts
Product Name	MultiCat
Type	Discrete Wire Assembly, High Reliability Assembly
UPC	191128292566

Physical

Cable Length	300.00mm
Circuits (Loaded)	4
Color - Resin	Black
Gender	Male-Male
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Nickel Phosphorus
Material - Plating Termination	Gold
Material - Resin	PEI
Net Weight	157.300/g
Number of Rows	1
Packaging Type	Bag
Pitch - Mating Interface	7.40mm
Plating min - Mating	0.100µm
Plating min - Termination	0.200µm
Single Ended	No
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	4.03mm-5.84mm
Wire Size AWG	8
Wire/Cable Type	UL 10669

Electrical

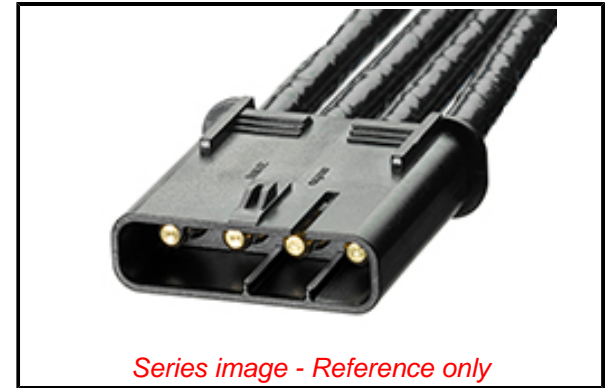
Current - Maximum per Contact	40.0A
Voltage - Maximum	1000V AC

Material Info

Engineering Number	KAB2549L0.3V01
--------------------	----------------

Reference - Drawing Numbers

Sales Drawing	451420401-000
---------------	---------------



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant with Exemption 6(c)

REACH SVHC

Contained Per -
D(2021)4569-DC (8 July 2021)
Imidazolidine-2-thione
Dipentyl phthalate
bis(2-(2-methoxyethoxy)ethyl) ether
Benzo(ghi)perylene
Octanoic acid,
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pen
Dodecamethylcyclhexasiloxane
Decamethylcyclpentasiloxane
Octamethylcycltetrasiloxane
1,2-diethoxyethane
Dibutyltin-dichloride
1,3-Propanesultone
C.I. Direct Black 38
Ammonium-pentadecafluorooctanoate
2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)p
Disodium-octaborate
Dibutylbis(pentane-2,4-dionato-O,O')tin
2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol
Terphenyl, hydrogenated
1,2-Benzenedicarboxylic acid, dihexyl ester, bra
diisohexyl phthalate

China RoHS

1,2-
Benzenedicarboxylic
acid, dipentyl ester, br
n-pentyl-
isopentylphthalate
Boric acid
Aluminosilicate
Refractory Ceramic
Fibres
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Nonadecafluorodecanoic
acid (PFDA) and its
sodiu
Tris(4-nonylphenyl,
branched and linear)
phosphi
Perfluorobutane
sulfonic acid (PFBS)
and its sal
Fluoranthene
Pyrene
Dioctyltin dilaurate,
stannane, dioctyl-,
bis(co
Perfluorononan-1-
oic acid
(2,2,3,3,4,4,5,5,6,6,7
Methylhexahydrophthalic
anhydride
reaction mass of
2-ethylhexyl 10-
ethyl-4,4-dioct
Perfluorohexane-1-
sulphonic acid and its
salts
Lead chromate
Tris(2-chloroethyl)
phosphate
Boric acid, disodium
salt, hydrate
Strontium-chromate
1,2-
Benzenedicarboxylic
acid, di-C7-11-
branched
bis(2-methoxyethyl)
ether
1,2-
Benzenedicarboxylic
acid, bis(2-
methoxyethyl
1,2-Dimethoxyethane
1,2-bis(2-
methoxyethoxy)ethane
Decabromodiphenylether
Cadmium-oxide
Cadmium-sulphide
Lead
Cadmium
pyrochlore, antimony
lead yellow
Lead-dinitrate

Lead oxide sulfate
(Pb2O(SO4))
Lead-titanium-trioxide
Pentalead-tetraoxide-
sulphate
Trilead-dioxide-
phosphonate
Tetralead-trioxide-
sulphate
Dioxobis(stearato)trilead
Lead titanium
zirconium oxide
Cyanamide, lead(2+)
salt (1:1)
Cadmium Hydroxide
Sulfurous Acid, Lead
Salt, Dibasic
Silicic acid (H2Si2O5),
barium salt (1:1),
lead-
[Phthalato(2-)]dioxotrilead
Fatty Acids, C16-18,
Lead Salts
N,N-
Dimethylformamide
Dicyclohexyl-
phthalate
Dihexyl-phthalate
Phenanthrene

**Halogen-Free
Status**

Not 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

[45142 Series](#)

Mates With

MultiCat High-Power Inline Receptacle
Housing [2018410040](#) , [2018410140](#)

This document was generated on 08/30/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [DC Power Cords](#) category:

Click to view products by [Molex](#) manufacturer:

Other Similar products are found below :

[10080594-1AD0078LF](#) [1011147](#) [1011324](#) [1012028](#) [1300070241](#) [1300140050](#) [1300150044](#) [1300150054](#) [1300150076](#) [1300150109](#)
[1300150137](#) [1443569](#) [145130-0300](#) [145130-0301](#) [145130-0303](#) [145130-0310](#) [145130-0400](#) [145130-0401](#) [145130-0403](#) [145130-0410](#)
[145130-0500](#) [145130-0501](#) [145130-0503](#) [145130-0510](#) [145130-0600](#) [145130-0601](#) [145130-0603](#) [145130-0610](#) [145130-0700](#) [145130-0701](#)
[145130-0703](#) [145130-0710](#) [145130-0800](#) [145130-0801](#) [145130-0803](#) [145130-0810](#) [145132-0200](#) [145132-0201](#) [145132-0203](#) [145132-0210](#)
[145132-0300](#) [145132-0301](#) [145132-0303](#) [145132-0310](#) [145132-0400](#) [145132-0401](#) [145132-0403](#) [145132-0410](#) [145132-0500](#) [145132-0501](#)