Part Number : 1731140981
Product Description : FCT Backshell Connector Kit, Metal Backshell, Male Mixed Layout D-Sub Connector, (1) Male and (1) Female High Power Solder Cup Contacts, 2 Circuits, Straight Cable Outlet
Series Number : 173114
Status : Active
Product Category : D-Sub Connector Kits
Engineering Part Number : FMK1G-2W2PC-6194



Documents and Resources

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Reviewed per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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Part Details

General

Status	Active
Category	D-Sub Connector Kits
Series	173114
Description	FCT Backshell Connector Kit, Metal Backshell, Male Mixed Layout D-Sub Connector, (1) Male and (1) Female High Power Solder Cup Contacts, 2 Circuits, Straight Cable Outlet
Contact Type	High Power
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Rugged Metal, Mixed Layout
UPC	195842746565

Electrical

Current - Maximum per Contact	20.0A
Shielded	Yes
Shield Type	Solid Metal

Physical

Cable Diameter	3.00-9.50mm
Circuits (Loaded)	0
Circuits (maximum)	2
Color - Resin	Black
Durability (mating cycles min)	500
Gender	Male
Material - Backshell	Zinc Die-cast
Material - Bushing	TPE
Material - Contact	Copper Alloy
Material - Resin	Polybutylene Terephthalate (PBT)
Material - Retaining Clip	Copper Alloy

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Material - Screw	Steel
Material - Shell	Steel
Mounting Style	Locking Screw
Net Weight	119.200/g
Number of Rows	1
Orientation	Straight
Packaging Type	Bag
Plating - Backshell	Nickel
Plating - Contact	Gold over Nickel
Plating min - Mating	0.800µm
Plating min - Termination	0.200µm
Plating - Shell	Tin
Polarized to Mating Part	Yes
Ports	1
Shell Size	1
Temperature Range - Operating	-35° to +100°C
Termination Style	Solder Cup
Thread Size	4-40 UNC or M3
Thread Type	Standard
Tightening Test Torque	40 Ncm
Waterproof / Dustproof	No
Wire Size (AWG)	12, 14, 16

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