Part Number : 1731070061
Product Description : FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 9 Circuits Max, 5 Signal Contacts Loaded, Green Insulator
Series Number : 173107
Status : Active
Product Category : D-Sub Connectors
Engineering Part Number : FM9W4P-K120



Documents and Resources

Drawings

1731070061_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 3; 33; 34
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2025)7771-DC (04 Feb 2026) SCIP:c4528872-bb4b-468f-baaa-13f1012c020c
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

Compliance Statements

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- 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

Part Details

General

Status	Active
Category	D-Sub Connectors
Series	173107
Description	FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 9 Circuits Max, 5 Signal Contacts Loaded, Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	889056317009

Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes

Physical

Circuits (Loaded)	5
Circuits (maximum)	9

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Color - Resin	Green
Durability (mating cycles min)	500
Gender	Male
Material - Contact	Copper Alloy
Material - Resin	Polybutylene Terephthalate (PBT)
Material - Shell	Steel
Net Weight	8.200/g
Number of Rows	2
Orientation	Straight
Packaging Type	Carton
Panel Mount	Rear
Panel Mount Method	Flange
PCB Locator	No
PCB Retention	No
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Contact	Gold over Nickel
Plating min - Mating	0.800µm
Plating - Shell	Tin
Polarized to Mating Part	Yes
Ports	1
Shell Size	3
Temperature Range - Operating	-55° to +130°C
Termination Style	Solder Cup
Waterproof / Dustproof	No
Waterproof / Dustproof Type	IP20
Wire Size (AWG)	20

Mates With / Use With

Mates with Part(s)

Description	Part Number
FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 9 Circuits Max, 5	1731070062

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Signal Contacts Loaded, Green Insulator	

Use with Part(s)

Description	Part Number
FCT Metal Backshell for D-Sub Connector, Shell Size 3, Straight Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Locking Screws	1727040100
FCT Metal Backshell for D-Sub Connector, Shell Size 3, Straight Large Diameter Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Locking Screws	1731110058
FCT Metal Backshell for D-Sub Connector, Shell Size 3, 45° Angle Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Locking Screws	1727040099
FCT Metal Backshell for D-Sub Connector, Shell Size 3, Straight Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Knurled Thumb Screws	1731110083
FCT Metal Backshell for D-Sub Connector, Shell Size 3, Dual Straight Cable Outlets, with Double Cable Clamps and #4-40 Locking Screws	1727040094
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 3, Straight Cable Outlet, Large Inner Chamber, with #4-40 Locking Screws	1731110375
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 3, 70° Angle Cable Outlet, Large Inner Chamber, with #4-40 Locking Screws	1731110332
FCT Plastic Backshell for D-Sub	1727040120

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Connector, Shielded, Shell Size 3, Straight Cable Outlet, Large Inner Chamber, with #4-40 Locking Screws, Individually Packed	
FCT High Power Contact, Male, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 40.0A, 18-2 AWG	1727040148
FCT High Power Contact, Male, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 20.0A, 16-12 AWG	1727040147
FCT High Power Contact, Male, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 10.0A, 20-16 AWG	1727040146
FCT High Voltage Contact, Male, Straight, Solder Cup, 1.30µm Gold Mating Plating, with Plastic Retention Clip, 2.0A, 20 AWG or smaller	1727040134
FCT Coaxial Contact, Male, Straight, Crimp, 50 Ohms, 5.00µm Gold over Copper Plating, for RG-178BU, RG-196AU, or RG-404U Cable	1731140038
FCT High Voltage Contact, Male, Straight, Solder Cup, 1.30µm Gold Mating Plating, with Copper Alloy Retention Clip, 2.0A, 20 AWG or smaller	1731121250
FCT High Power Contact, Male, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 10.0A, 20-16 AWG	1727040142
FCT High Power Contact, Male, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 20.0A, 14-12	1727040143

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AWG,	
FCT Coaxial Contact, Male, Straight, Crimp, 50 Ohms, 1.30µm Gold over Copper Plating	1731140197
FCT High Power Contact, Male, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 40.0A, 10-8 AWG	1727040145
FCT High Power Contact, Male, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 30.0A, 12-10 AWG	1727040149
FCT Coaxial Contact, Male, Straight, Crimp, 50 Ohms, 1.30µm Gold Plating, for RG-316U Double Braided Cable	1731120052
FCT High Power Contact, Male, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 20.0A, 14-12 AWG,	1731120327

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