



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)4165-DC (25 June 2025) SCIP:c4528872-bb4b-468f-baaa-13f1012c020c
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

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

Color - Resin	Green
Durability (mating cycles min)	500
Gender	Male
Material - Contact	Copper Alloy
Material - Resin	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
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 Signal Contacts Loaded, Green	<u>1731070062</u>

Insulator	
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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	<u>1727040100</u>
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	<u>1731110058</u>
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	<u>1727040099</u>
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	<u>1731110083</u>
FCT Metal Backshell for D-Sub Connector, Shell Size 3, Dual Straight Cable Outlets, with Double Cable Clamps and #4-40 Locking Screws	<u>1727040094</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 3, Straight Cable Outlet, Large Inner Chamber, with #4-40 Locking Screws	<u>1731110375</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 3, 70° Angle Cable Outlet, Large Inner Chamber, with #4-40 Locking Screws	<u>1731110332</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 3,	<u>1727040120</u>

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	<u>1727040148</u>
FCT High Power Contact, Male, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 20.0A, 16-12 AWG	<u>1727040147</u>
FCT High Power Contact, Male, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 10.0A, 20-16 AWG	<u>1727040146</u>
FCT High Voltage Contact, Male, Straight, Solder Cup, 1.30µm Gold Mating Plating, with Plastic Retention Clip, 2.0A, 20 AWG or smaller	<u>1727040134</u>
FCT Coaxial Contact, Male, Straight, Crimp, 50 Ohms, 5.00µm Gold over Copper Plating, for RG-178BU, RG-196AU, or RG-404U Cable	<u>1731140038</u>
FCT High Voltage Contact, Male, Straight, Solder Cup, 1.30µm Gold Mating Plating, with Copper Alloy Retention Clip, 2.0A, 20 AWG or smaller	<u>1731121250</u>
FCT High Power Contact, Male, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 10.0A, 20-16 AWG	<u>1727040142</u>
FCT High Power Contact, Male, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 20.0A, 14-12 AWG,	<u>1727040143</u>

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