



Part Number : [1731070062](#)
Product Description : FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 9 Circuits Max, 5 Signal Contacts Loaded, Green Insulator
Series Number : 173107
Status : Active
Product Category : D-Sub Connectors
Engineering Part Number : FM9W4S-K121



Documents and Resources

Drawings

[1731070062_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	Not Relevant
EU ELV	Not Relevant
Low-Halogen Status	Not Relevant
REACH SVHC	Contains Lead per D(2025)7771-DC (04 Feb 2026) SCIP:c226875e-4204-4632-93c2-855d21e4f9b2
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, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 9 Circuits Max, 5 Signal Contacts Loaded, Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	889056317016

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	Female
Material - Contact	Copper Alloy
Material - Resin	Polybutylene Terephthalate (PBT)
Material - Shell	Steel
Net Weight	9.200/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, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 9 Circuits Max, 5 Signal Contacts Loaded, Green	<u>1731070061</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, Female, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 40.0A, 18-2 AWG	<u>1727040156</u>
FCT High Power Contact, Female, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 20.0A, 16-12 AWG	<u>1727040155</u>
FCT High Power Contact, Female, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 10.0A, 20-16 AWG	<u>1727040154</u>
FCT High Voltage Contact, Female, Straight, Solder Cup, 1.30µm Gold Mating Plating, with Plastic Retention Clip, 2.0A, 20 AWG or smaller	<u>1727040135</u>
FCT Coaxial Contact, Female, Straight, Crimp, 50 Ohms, 5.00µm Gold over Copper Plating, for RG-178BU, RG-196AU, or RG-404U Cable	<u>1731140203</u>
FCT Coaxial Contact, Female, Straight, Crimp, 50 Ohms, 5.00µm Gold over Copper Plating, for RG-174U, RG-188AU, or RG-316U Cable	<u>1731140033</u>
FCT High Power Contact, Female, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 10.0A, 20-16 AWG	<u>1727040150</u>
FCT High Power Contact, Female, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 30.0A, 12-10 AWG	<u>1727040157</u>

FCT Coaxial Contact, Female, Straight, Crimp, 50 Ohms, 1.30µm Gold Plating, for RG-316U Double Braided Cable	<u>1731120053</u>
FCT Coaxial Contact, Female, 4-Split Tine, Straight, Crimp, 50 Ohms, 1.30µm Gold Plating, for RG-174U, RG-188AU, or RG-316U Cable	<u>1731140199</u>
FCT High Power Contact, Female, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 20.0A, 14-12 AWG,	<u>1731120326</u>