



Part Number : [1727040078](#)
Product Description : FCT Standard-Density D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, 500 Mating Cycles, 9 Circuits, White Insulator
Series Number : 172704
Status : Active
Product Category : D-Sub Connectors
Engineering Number : F09S0G1



Documents & Resources

Drawings

[1727040078_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Specifications

[1727040001-PS-000.pdf](#)

[1727040000-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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)
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	172704
Description	FCT Standard-Density D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, 500 Mating Cycles, 9 Circuits, White Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Standard Density
UPC	889056019897

Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes

Physical

Circuits (Loaded)	9
Circuits (maximum)	9

Color - Resin	White
Durability (mating cycles min)	500
Gender	Female
Material - Contact	Copper Alloy
Material - Resin	PBT
Material - Shell	Steel
Net Weight	5.700/g
Number of Rows	2
Orientation	Straight
Packaging Type	Carton
Panel Mount	Rear
Panel Mount Method	Flange
PCB Locator	No
PCB Retention	None
PC Tail Length	7.40mm
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Contact	Gold over Nickel
Plating - Shell	Tin
Polarized to Mating Part	Yes
Polarized to PCB	No
Ports	1
Temperature Range - Operating	-55° to +125°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 Standard-Density D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, 500 Mating Cycles, 9 Circuits, White Insulator	<u>1727040075</u>

Use with Part(s)

Description	Part Number
FCT Metal Backshell for D-Sub Connector, Shell Size 1, Straight Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Locking Screws	<u>1727040096</u>
FCT Metal Backshell for D-Sub Connector, Shell Size 1, 45° Angle Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Locking Screws	<u>1727040095</u>
FCT Metal Backshell for D-Sub Connector, Shell Size 1, Straight Cable Outlet, Large Inner Chamber, with Rubber Bushing and M3 Hex Knurled Thumb Screws	<u>1731110299</u>
FCT Metal Backshell for D-Sub Connector, Shell Size 1, 45° Angle Cable Outlet, Large Inner Chamber, with Rubber Bushing and M3 Locking Screws	<u>1731110183</u>
FCT Metal Backshell for D-Sub Connector, Shell Size 1, Straight Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Knurled Thumb Screws	<u>1731110081</u>
FCT Metal Backshell for D-Sub Connector, Shell Size 1, Straight Cable Outlet, with Rubber Bushing	<u>1731110086</u>
FCT Plastic Backshell for D-Sub Connector, Black, Shell Size 1, Straight Cable Outlet, IP67 Waterproof, with #4-40 Locking Screws, Individual Packing	<u>1727040105</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1, Straight Cable Outlet	<u>1731110255</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1, Straight Cable Outlet, Flat Body, with #4-40 Locking Screws,	<u>1727040111</u>

Individual Packing	
FCT Metal Backshell for D-Sub Connector, Shell Size 1, Straight Cable Outlet, Large Inner Chamber, with Rubber Bushing	<u>1731110303</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1, 70° Angle Cable Outlet, Large Inner Chamber, with #4-40 Locking Screws	<u>1731110244</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1, Straight Cable Outlet, Large Inner Chamber, with #4-40 Locking Screws	<u>1731110235</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1, Straight Cable Outlet, Large Inner Chamber, with #4-40 Knurled Thumb Screws, Individually Packed	<u>1731110132</u>
FCT Plastic Backshell for D-Sub Connector, Black, Shell Size 1, Straight Cable Outlet	<u>1731110204</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1, Straight Cable Outlet, Individually Packed	<u>1727040110</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1, 70° Angle Cable Outlet, Large Inner Chamber, with #4-40 Locking Screws, Individually Packed	<u>1727040109</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1, Straight Cable Outlet, Large Inner Chamber, with #4-40 Locking Screws, Individually Packed	<u>1727040112</u>
FCT Metal Backshell for D-Sub Connector, Shell Size 1, Straight Cable Outlet, with Rubber Bushing and #4-40 Knurled Thumb Screws	<u>1727040182</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1,	<u>1727040192</u>

Straight Cable Outlet, IP67 Waterproof, with #4-40 Locking Screws, Individual Packing	
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1, Straight Cable Outlet, Flat Body, with #4-40 Locking Screws	<u>1731110221</u>
FCT Metal Backshell for D-Sub Connector, Shell Size 1, Dual 65° Angle Cable Outlets, with #4-40 Locking Screws	<u>1731110095</u>
FCT Plastic Backshell for D-Sub Connector, Shielded, Shell Size 1, Straight Cable Outlet, with #4-40 Knurled Thumb Screws	<u>1731110256</u>
FCT Plastic Backshell for D-Sub Connector, Black, Shell Size 1, Straight Cable Outlet, Individually Packed	<u>1731110019</u>

This document was generated on Sep 10, 2025