



Part Number : [1731070060](#)
Product Description : FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 7 Circuits Max, 5 Signal Contacts Loaded, Green Insulator
Series Number : 173107
Status : Active
Product Category : D-Sub Connectors
Engineering Part Number : FM7W2S-K121



Documents and Resources

Drawings

[1731070060_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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)7771-DC (04 Feb 2026) SCIP:8b8d0517-a3cc-4fe0-9b46-033306fe32c6
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, 7 Circuits Max, 5 Signal Contacts Loaded, Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	889056316996

Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes

Physical

Circuits (Loaded)	5
Circuits (maximum)	7

Color - Resin	Green
Durability (mating cycles min)	500
Gender	Female
Material - Contact	Copper Alloy
Material - Resin	Polybutylene Terephthalate (PBT)
Material - Shell	Steel
Net Weight	6.700/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	2
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, 7 Circuits Max, 5	<u>1731070059</u>

Signal Contacts Loaded, Green Insulator	
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Use with Part(s)

Description	Part Number
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, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 40.0A, 10-8 AWG	<u>1727040153</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>1727040151</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 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 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, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 10.0A, 20-16 AWG	<u>1727040154</u>
FCT High Power Contact, Female, Straight, Crimp, 0.80µm Gold	<u>1727040157</u>

Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 30.0A, 12-10 AWG	
FCT High Power Contact, Female, Straight, Solder Cup, 1.30µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 40.0A, 18-2 AWG	<u>1731120391</u>
FCT Coaxial Contact, Female, Straight, Crimp, 50 Ohms, 1.30µm Gold Plating, for RG-316U Double Braided Cable	<u>1731120053</u>
FCT High Voltage Contact, Female, Right-Angle, Solder Cup, 1.30µm Gold Mating Plating, with Plastic Retention Clip, 2.0A, 20 AWG or smaller	<u>1731120031</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>
FCT Coaxial Contact, Female, Straight, Solder Cable Termination, 50 Ohms, 1.30µm Gold Plating, without Inspection Hole, for RG-174U, RG-188AU, or RG-316U Cable	<u>1727040133</u>