Part Number : 1731070070
Product Description : FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 24 Circuits Max, 17 Signal Contacts Loaded, Green Insulator
Series Number : 173107
Status : Active
Product Category : D-Sub Connectors
Engineering Part Number : FM24W7S-K121



Documents and Resources

Drawings

1731070070_sd.pdf

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:d0d0b011-964c-495d-bffc-40358c76c220
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC

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- 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, 24 Circuits Max, 17 Signal Contacts Loaded, Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	889056318945

Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes

Physical

Circuits (Loaded)	17
Circuits (maximum)	24
Color - Resin	Green

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Durability (mating cycles min)	500
Gender	Female
Material - Contact	Copper Alloy
Material - Resin	Polybutylene Terephthalate (PBT)
Material - Shell	Steel
Net Weight	15.100/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	5
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, 24 Circuits Max, 17 Signal Contacts Loaded, Green	1731070069

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Insulator	

Use with Part(s)

Description	Part Number
FCT Metal Backshell for D-Sub Connector, Shell Size 5, Straight Large Diameter Cable Outlet, Extra Large Inner Chamber, with Double Cable Clamps and #4-40 Locking Screws	1731110218
FCT Metal Backshell for D-Sub Connector, Shell Size 5, Straight Large Diameter Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Locking Screws	1731110059
FCT Metal Backshell for D-Sub Connector, Shell Size 5, Straight Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Locking Screws	1727040104
FCT Metal Backshell for D-Sub Connector, Shell Size 5, 45° Angle Large Diameter Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Locking Screws	1731110064
FCT Metal Backshell for D-Sub Connector, Shell Size 5, 45° Angle Cable Outlet, Large Inner Chamber, with Rubber Bushing and #4-40 Locking Screws	1727040103
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	1727040155
FCT High Power Contact, Female, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 20.0A, 14-12 AWG,	1727040151

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FCT High Power Contact, Female, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 40.0A, 10-8 AWG	1727040153
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	1727040156

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