Part Number : 1727040150
Product Description : FCT High Power Contact, Female, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 10.0A, 20-16 AWG
Series Number : 172704
Status : Active
Product Category : D-Sub Contacts
Engineering Part Number : FMP002S103



Documents and Resources

Drawings

1727040150_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

2195600660-000.pdf

1731120008-PK-000.pdf

2195600660-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 3; 34; 33
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:3e1677db-e0f5-4264-81e5-3bd303342a93
EU RoHS	Compliant with Exemption 6(c)

Downloaded from Arrow.com.

	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 Contacts
Series	172704
Description	FCT High Power Contact, Female, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 10.0A, 20-16 AWG
Contact Type	High Power
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	889056020619

Electrical

Current - Maximum per Contact	10.0A

Physical

Durability (mating cycles min)	500

Downloaded from Arrow.com.

Gender	Female
Material - Contact	Copper Alloy
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Gold over Nickel
Material - Retaining Clip	Copper Alloy
Net Weight	1.800/g
Orientation	Straight
Packaging Type	Bag
Plating min - Mating	0.800µm
Plating min - Termination	0.200µm
Temperature Range - Operating	-55° to +155°C
Termination Style	Crimp
Wire Size (AWG)	16, 18, 20

Mates With / Use With

Use 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 Insulator	1731070062
FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 7 Circuits Max, 5 Signal Contacts Loaded, Green Insulator	1731070060
FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 24 Circuits Max, 17 Signal Contacts Loaded, Green Insulator	1731070070
FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold over Nickel Phosphorus Plating, Tin-plated	1727040012

Downloaded from Arrow.com.

Shell, 11 Circuits Max, 10 Signal Contacts Loaded, Green Insulator	
FCT Mixed Layout D-Sub Housing, Female, Tin-plated Shell, Polarized, 3 Circuits Unloaded, Black Insulator	1731070058
FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 13 Circuits Max, 10 Signal Contacts Loaded, Green Insulator	1731070064
FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 17 Circuits Max, 15 Signal Contacts Loaded, Green Insulator	1731070066
FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell without Dimples, 9 Circuits Max, 5 Signal Contacts Loaded	1731070240
FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold over Nickel Phosphorus Plating, Tin-plated Shell, 27 Circuits Max, 25 Signal Contacts Loaded, Green Insulator	1727040030
FCT Mixed Layout D-Sub Housing, Female, Tin-plated Shell, 3 Circuits Unloaded, Green Insulator	1727040032
FCT Mixed Layout D-Sub Housing, Female, Tin-plated Shell, 8 Circuits Unloaded, Green Insulator	1727040038
FCT Mixed Layout D-Sub Housing, Female, Tin-plated Shell, 5 Circuits Unloaded, Green Insulator	1727040034
FCT Mixed Layout D-Sub Housing,	1727040042

Downloaded from Arrow.com.

Female, Tin-plated Shell, Polarized, 2 Circuits Unloaded, Black Insulator	

Application Tooling

Global

Description	Part Number
FCT Hand Crimp Tool, 8-Step Adjust	1731121731
FCT Locator for High Power Contacts	1731121734
FCT Removal Tool for Size 8 Contacts	1731121747

Downloaded from Arrow.com.