Part Number : 1731070768
Product Description : FCT Mixed Layout D-Sub Connector, Male, Right-Angle, PCB Through Hole, Gold Plating, Polarized, Tin-plated Shell with Dimples, 14.50mm Riveted Metal Bracket and #4-40 Clinch Nut, 2 Circuits Loaded (High Power), Black Insulator
Series Number : 173107
Status : Active
Product Category : D-Sub Connectors
Engineering Part Number : F2W2PC-0189



Documents and Resources

Drawings

1731070768_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	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2025)4165-DC (25 June 2025) SCIP:
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, Male, Right-Angle, PCB Through Hole, Gold Plating, Polarized, Tin-plated Shell with Dimples, 14.50mm Riveted Metal Bracket and #4-40 Clinch Nut, 2 Circuits Loaded (High Power), Black Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	191130102464

Electrical

Current - Maximum per Contact	20.0A
Shielded	Yes

Physical

Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black

Durability (mating cycles min)	500
Gender	Male
Material - Contact	Copper Alloy
Material - Resin	PBT
Material - Shell	Steel
Net Weight	12.600/g
Number of Rows	1
Orientation	Right-Angle
Packaging Type	Carton
Panel Mount	Rear
Panel Mount Method	Thread-In
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	11.00mm
Plating - Contact	Gold over Nickel
Plating min - Mating	0.200µm
Plating min - Termination	5.000µm
Plating - Shell	Tin
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-55° to +130°C
Termination Style	Through Hole
Waterproof / Dustproof	No
Waterproof / Dustproof Type	IP20

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	FCT Mixed Layout D-Sub, Size 1, 2W2, Socket