Part Number : 1727040053
Product Description : FCT Standard-Density Waterproof D-Sub Connector, Male, Straight, PCB Through Hole, 11.20mm Tail Length, Gold over Nickel Phosphorus Plating, Plastic Watertight Frame, Snap-in Bolt, 25 Circuits, Red Insulator
Series Number : 172704
Status : Active
Product Category : D-Sub Connectors
Engineering Part Number : FWDR25P1A



Documents and Resources

Drawings

1727040053_sd.pdf

Symbol and Footprint (Multi-Format)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Reviewed 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 Waterproof D-Sub Connector, Male, Straight, PCB Through Hole, 11.20mm Tail Length, Gold over Nickel Phosphorus Plating, Plastic Watertight Frame, Snap-in Bolt, 25 Circuits, Red Insulator
IP Rating	IP67
Magnetic	Yes
Product Name	FCT Products
Type	Standard Density
UPC	889056019644

Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes

Physical

Circuits (Loaded)	25
Circuits (maximum)	25
Color - Resin	Red
Durability (mating cycles min)	500
Gender	Male
Material - Contact	Copper Alloy

Material - Resin	Polybutylene Terephthalate (PBT)
Material - Shell	Brass
Net Weight	16.500/g
Number of Rows	2
Orientation	Straight
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	11.20mm
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Contact	Gold over Nickel Phosphorus
Plating - Shell	Tin
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Shell Size	3
Temperature Range - Operating	-25° to +70°C
Termination Style	Through Hole
Waterproof / Dustproof	Yes
Waterproof / Dustproof Type	IP67

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	FCT Standard Density D-Sub, Size 3, 25 Position, Socket

Use with Part(s)

Description	Part Number
Use With	FCT D-Sub Dust Caps