




**Part Number :** 1727040048  
**Product Description :** FCT Standard-Density Waterproof D-Sub Connector, Female, Straight, Solder Cup, Gold over Nickel Phosphorus Plating, Plastic Watertight Frame, 25 Circuits, Red Insulator  
**Series Number :** 172704  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** FWDR25SA



## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Reviewed per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### EU RoHS Certificate of Compliance

## Part Details

## General

Status	Active
Category	D-Sub Connectors
Series	172704
Description	FCT Standard-Density Waterproof D-Sub Connector, Female, Straight, Solder Cup, Gold over Nickel Phosphorus Plating, Plastic Watertight Frame, 25 Circuits, Red Insulator
IP Rating	IP67
Magnetic	Yes
Product Name	FCT Products
Type	Standard Density
UPC	889056019590

## Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes

## Physical

Circuits (Loaded)	25
Circuits (maximum)	25
Color - Resin	Red
Durability (mating cycles max)	500
Gender	Female
Material - Contact	Copper Alloy
Material - Resin	PBT
Material - Shell	Brass
Net Weight	18.100/g
Number of Rows	2
Orientation	Straight
Packaging Type	Carton
Panel Mount	Rear
Panel Mount Method	Thread-In
PCB Locator	No

PCB Retention	None
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Contact	Gold over Nickel Phosphorus
Plating - Shell	Tin
Polarized to Mating Part	Yes
Ports	1
Temperature Range - Operating	-25° to +70°C
Termination Style	Solder Cup
Waterproof / Dustproof	Yes
Waterproof / Dustproof Type	IP67
Wire Size (AWG)	20

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## Mates With / Use With

### Mates with Part(s)

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

### Use with Part(s)

Description	Part Number
Use With	FCT D-Sub Dust Caps

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