

Part Number : 1731140392
Product Description : FCT Backshell Connector Kit, Shielded Plastic Backshell, Female Standard Density D-Sub Connector, 25 Circuits, Straight Cable Outlet, IP67 Waterproof
Series Number : 173114
Status : Active
Product Category : D-Sub Connector Kits
Engineering Part Number : FWH3A-25S-3649

Documents and Resources

Drawings

1731140392_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 Reviewed per IEC 61249-2-21
REACH SVHC	Not Reviewed per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant with Exemption 6(c); 6(a)-I 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

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- 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 Connector Kits
Series	173114
Description	FCT Backshell Connector Kit, Shielded Plastic Backshell, Female Standard Density D-Sub Connector, 25 Circuits, Straight Cable Outlet, IP67 Waterproof
Contact Type	Machined Solder
IP Rating	IP67
Magnetic	Yes
Product Name	FCT Products
Type	Plastic, Standard Density
UPC	191130516742

Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes
Shield Type	Shielded Plastic

Physical

Cable Diameter	8.00-10.50mm
Circuits (Loaded)	25
Circuits (maximum)	25
Color - Resin	Red
Durability (mating cycles min)	500
Gender	Female

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Material - Backshell	Polyester
Material - Contact	Brass
Material - Resin	Polybutylene Terephthalate (PBT)
Material - Screw	Brass
Material - Seal	Elastomer
Material - Shell	Brass
Mounting Style	Locking Screw
Net Weight	35.000/g
Number of Rows	2
Orientation	Straight
Packaging Type	Bag
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Backshell	Nickel
Plating - Contact	Gold over Nickel
Plating min - Mating	0.800µm
Plating min - Termination	0.100µm
Plating - Shell	Tin
Polarized to Mating Part	Yes
Ports	1
Shell Size	3
Temperature Range - Operating	-25° to +70°C
Termination Style	Solder Cup
Thread Size	4-40 UNC
Thread Type	Standard
Tightening Test Torque	40 Ncm
Waterproof / Dustproof	Yes
Waterproof / Dustproof Type	IP67
Wire Size (AWG)	20

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