



Part Number : 1731140972

Series Number : 173114

Product Category : D-Sub Connector Kits

Product Description : FCT Backshell  
Connector Kit, Metal Backshell, Female  
Standard Density D-Sub Connector, Solder  
Cup Signal Contacts, 25 Circuits, 45° Angle  
Cable Outlet

Status : Active

Engineering Number : FMK3-25S-6190

## 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<br>(14 Jun 2023)                                   |
| EU RoHS            | Compliant with Exemption 6(c) per<br>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 Connector Kits |

|                |                                                                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series         | 173114                                                                                                                                                 |
| Description    | FCT Backshell Connector Kit, Metal Backshell, Female Standard Density D-Sub Connector, Solder Cup Signal Contacts, 25 Circuits, 45° Angle Cable Outlet |
| Contact Type   | Machined Solder                                                                                                                                        |
| IP Rating      | IP20                                                                                                                                                   |
| Product Family | FCT D-Sub Connectors                                                                                                                                   |
| Product Name   | FCT Products                                                                                                                                           |
| Type           | Rugged Metal, Standard Density                                                                                                                         |
| UPC            | 195842746435                                                                                                                                           |

## Electrical

|                               |             |
|-------------------------------|-------------|
| Current - Maximum per Contact | 7.5A        |
| Shield Type                   | Solid Metal |
| Shielded                      | Yes         |

## Physical

|                                |               |
|--------------------------------|---------------|
| Cable Diameter                 | 3.00-8.50mm   |
| Circuits (Loaded)              | 25            |
| Circuits (maximum)             | 25            |
| Color - Resin                  | White         |
| Durability (mating cycles max) | 200           |
| Gender                         | Female        |
| Material - Backshell           | Zinc Die-cast |
| Material - Bushing             | TPE           |
| Material - Contact             | Copper Alloy  |
| Material - Resin               | PBT           |
| Material - Screw               | Steel         |
| Material - Shell               | Steel         |
| Mounting Style                 | Locking Screw |
| Net Weight                     | 132.000/g     |
| Number of Rows                 | 2             |
| Orientation                    | 45° Angle     |
| Packaging Type                 | Bag           |

|                               |                  |
|-------------------------------|------------------|
| Pitch - Mating Interface      | 2.84mm           |
| Pitch - Termination Interface | 2.84mm           |
| Plating - Backshell           | Nickel           |
| Plating - Contact             | Gold over Nickel |
| Plating min - Mating          | 0.200µm          |
| Plating min - Termination     | 0.200µm          |
| Plating - Shell               | Tin              |
| Polarized to Mating Part      | Yes              |
| Ports                         | 1                |
| Temperature Range - Operating | -35° to +100°C   |
| Termination Style             | Solder Cup       |
| Thread Size                   | 4-40 UNC or M3   |
| Thread Type                   | Standard         |
| Tightening Test Torque        | 40 Ncm           |
| Waterproof / Dustproof        | No               |
| Wire Size (AWG)               | 20               |