



Part Number : 1731140987

Series Number : 173114

Product Category : D-Sub Connector Kits

Product Description : FCT Backshell  
Connector Kit, Metal Backshell, Male Mixed  
Layout D-Sub Connector, High Power Crimp  
Contacts, 5 Circuits, Straight Cable Outlet

Status : Active

Engineering Number : FMK3G-5W5P-6197

## 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, Male Mixed Layout D-Sub Connector, High Power Crimp Contacts, 5 Circuits, Straight Cable Outlet |
| Contact Type   | High Power                                                                                                                                    |
| IP Rating      | IP20                                                                                                                                          |
| Magnetic       | Yes                                                                                                                                           |
| Product Family | FCT D-Sub Connectors                                                                                                                          |
| Product Name   | FCT Products                                                                                                                                  |
| Type           | Rugged Metal, Mixed Layout                                                                                                                    |
| UPC            | 195842746626                                                                                                                                  |

## Electrical

|                               |             |
|-------------------------------|-------------|
| Current - Maximum per Contact | 20.0A       |
| Shield Type                   | Solid Metal |
| Shielded                      | Yes         |

## Physical

|                                |               |
|--------------------------------|---------------|
| Cable Diameter                 | 3.00-8.50mm   |
| Circuits (Loaded)              | 0             |
| Circuits (maximum)             | 5             |
| Color - Resin                  | Green         |
| Durability (mating cycles max) | 500           |
| Gender                         | Male          |
| Material - Backshell           | Zinc Die-cast |
| Material - Bushing             | TPE           |
| Material - Contact             | Copper Alloy  |
| Material - Resin               | PBT           |
| Material - Retaining Clip      | Copper Alloy  |
| Material - Screw               | Steel         |
| Material - Shell               | Steel         |
| Mounting Style                 | Locking Screw |
| Net Weight                     | 133.700/g     |
| Number of Rows                 | 1             |
| Orientation                    | Straight      |

|                               |                  |
|-------------------------------|------------------|
| Packaging Type                | Bag              |
| Plating - Backshell           | Nickel           |
| Plating - Contact             | Gold over Nickel |
| Plating min - Mating          | 0.800µm          |
| Plating min - Termination     | 0.200µm          |
| Plating - Shell               | Tin              |
| Polarized to Mating Part      | Yes              |
| Ports                         | 1                |
| Temperature Range - Operating | -35° to +100°C   |
| Termination Style             | Crimp            |
| Thread Size                   | 4-40 UNC or M3   |
| Thread Type                   | Standard         |
| Tightening Test Torque        | 40 Ncm           |
| Waterproof / Dustproof        | No               |
| Wire Size (AWG)               | 12, 14           |