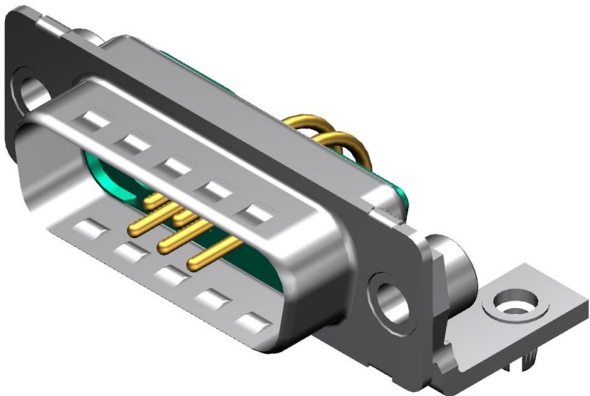




**Part Number :** [1731070093](#)  
**Product Description :** FCT Mixed Layout D-Sub Connector, Male, Right-Angle, PCB Through Hole, 0.80µm Gold Plated Contacts, Tin-plated Shell with Dimples, 14.50mm Riveted Metal Bracket and Clinch Nut, 7 Circuits, 5 Signal Contacts Loaded, Green Insulator  
**Series Number :** 173107  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** FM7W2P5-1002



Documents & Resources

**Drawings**  
[Drawing 1731070093\\_sd.pdf](#)

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen 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

## Part Details

### General

|                |                                                                                                                                                                                                                                        |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                                                                 |
| Category       | D-Sub Connectors                                                                                                                                                                                                                       |
| Series         | 173107                                                                                                                                                                                                                                 |
| Description    | FCT Mixed Layout D-Sub Connector, Male, Right-Angle, PCB Through Hole, 0.80µm Gold Plated Contacts, Tin-plated Shell with Dimples, 14.50mm Riveted Metal Bracket and Clinch Nut, 7 Circuits, 5 Signal Contacts Loaded, Green Insulator |
| IP Rating      | IP20                                                                                                                                                                                                                                   |
| Product Family | FCT D-Sub Connectors                                                                                                                                                                                                                   |
| Product Name   | FCT Products                                                                                                                                                                                                                           |
| Type           | Mixed Layout                                                                                                                                                                                                                           |
| UPC            | 889056324700                                                                                                                                                                                                                           |

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 7.5A |
| Shielded                      | Yes  |

### Physical

|                                |              |
|--------------------------------|--------------|
| Circuits (Loaded)              | 5            |
| Circuits (maximum)             | 7            |
| Color - Resin                  | Green        |
| Durability (mating cycles max) | 500          |
| Gender                         | Male         |
| Material - Contact             | Copper Alloy |
| Material - Resin               | PBT          |
| Material - Shell               | Steel        |
| Net Weight                     | 10.000/g     |
| Number of Rows                 | 2            |

|                               |                  |
|-------------------------------|------------------|
| Orientation                   | Right-Angle      |
| Packaging Type                | Carton           |
| Panel Mount                   | Rear             |
| Panel Mount Method            | Thread-In        |
| PC Tail Length                | 11.10mm          |
| PCB Locator                   | Yes              |
| PCB Retention                 | Yes              |
| PCB Thickness - Recommended   | 1.60mm           |
| Pitch - Mating Interface      | 2.84mm           |
| Pitch - Termination Interface | 2.54mm           |
| Plating - Contact             | Gold over Nickel |
| Plating - Shell               | Tin              |
| Polarized to Mating Part      | Yes              |
| Polarized to PCB              | Yes              |
| Ports                         | 1                |
| Temperature Range - Operating | -55° to +130°C   |
| Termination Style             | Through Hole     |
| Waterproof / Dustproof        | No               |
| Waterproof / Dustproof Type   | IP20             |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number                                 |
|-------------|---------------------------------------------|
| Mates With  | FCT Mixed Layout D-Sub, Size 2, 7W2, Socket |