



Part Number : [1731071303](#)

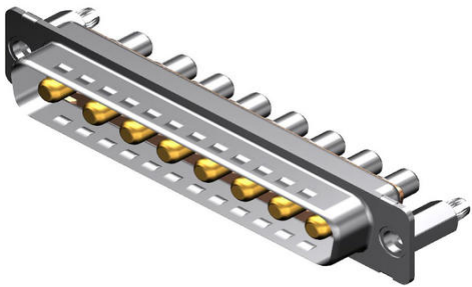
Product Description : FCT Mixed Layout D-Sub Connector, Male, Straight, PCB Through Hole, Gold Plating, Tin-plated Shell with Dimples, 8.10mm Snap-in Bolt, 8 Circuits Loaded (High Power), Heat Resistant Natural Insulator

Series Number : 173107

Status : Active

Product Category : D-Sub Connectors

Engineering Part Number : FH8W8P-6131



Documents and Resources

Drawings

[1731071303 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

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	Contains Lead per D(2025)4165-DC (25 June 2025) SCIP:6de9ad38-cce9-41e6-87ce-67e07abd0129
EU RoHS	Compliant with Exemption 6(c) 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
- 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 Connectors
Series	173107
Description	FCT Mixed Layout D-Sub Connector, Male, Straight, PCB Through Hole, Gold Plating, Tin-plated Shell with Dimples, 8.10mm Snap-in Bolt, 8 Circuits Loaded (High Power), Heat Resistant Natural Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	191130516810

Electrical

Current - Maximum per Contact	40.0A
Shielded	Yes

Physical

Circuits (Loaded)	8
-------------------	---

Circuits (maximum)	8
Color - Resin	Natural
Durability (mating cycles min)	500
Gender	Male
Material - Contact	Copper Alloy
Material - Resin	PCT
Material - Shell	Steel
Net Weight	21.200/g
Number of Rows	1
Orientation	Straight
Packaging Type	Carton
Panel Mount	Rear
Panel Mount Method	Thread-In
PCB Locator	Yes
PCB Retention	Yes
PC Tail Length	11.20mm
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Contact	Gold over Nickel
Plating min - Mating	0.200µm
Plating min - Termination	5.000µm
Plating - Shell	Tin
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-55° to +150°C
Termination Style	Through Hole
Waterproof / Dustproof	No
Waterproof / Dustproof Type	IP20

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	FCT Mixed Layout D-Sub, Size 4,

	8W8, Socket
--	-------------

This document was generated on Feb 26, 2026