



Part Number : [1731070812](#)

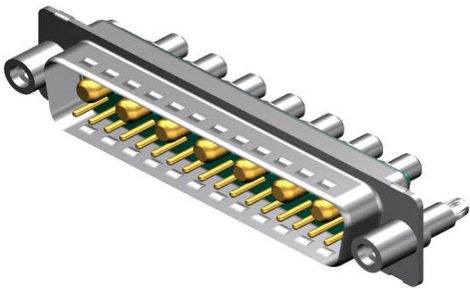
Product Description : FCT Mixed Layout D-Sub Connector, Male, Straight, PCB Through Hole, Gold over Nickel Phosphorus Plating, Tin-plated Shell with Dimples, 6.60mm Snap-in Bolt, 6.20mm Support Sleeve, 24 Circuits Loaded (7 High Power, 17 Signal), Green Insulator

Series Number : 173107

Status : Active

Product Category : D-Sub Connectors

Engineering Part Number : FM24W7P1A-6128



Documents and Resources

Drawings

[1731070812_sd.pdf](#)

[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	Not Reviewed per D(2025)6375-DC (05 Nov 2025)
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 over Nickel Phosphorus Plating, Tin-plated Shell with Dimples, 6.60mm Snap-in Bolt, 6.20mm Support Sleeve, 24 Circuits Loaded (7 High Power, 17 Signal), Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	191130107513

Electrical

Current - Maximum per Contact	7.5A, 40.0A
Shielded	Yes

Physical

Circuits (Loaded)	17
Circuits (maximum)	24
Color - Resin	Green
Durability (mating cycles min)	500

Gender	Male
Material - Contact	Copper Alloy
Material - Resin	PBT
Material - Shell	Steel
Net Weight	29.000/g
Number of Rows	2
Orientation	Straight
Packaging Type	Carton
Panel Mount	Rear
Panel Mount Method	Thread-In
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.40mm
PC Tail Length	10.30mm
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Contact	Gold over Nickel Phosphorus Gold over Nickel Phosphorus/Tin over Nickel
Plating min - Mating	0.100µm
Plating min - Termination	0.100µm, 5.000µm
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

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	FCT Mixed Layout D-Sub, Size 5, 24W7, Socket

