

High-Density D-Sub Connectors With Machined Contacts

molex[®]

Molex High-Density D-Sub Connectors provide a high-current rating (up to 5.0A per pin) due to their precision-machined contacts, and the high-density configuration allows for increased pin count compared to standard D-sub connectors



26 Position, Size 2 R/A Board Connector

Features and Benefits

Many different combinations of materials and plating

Shells options: Steel, brass and stainless steel

Gold-plated contacts



Machined contacts

Superior current-carrying capacity. Offers contact variety and plating options. High mating cycles and increased strength over stamped contacts



RoHS compliant

Meets European Union regulations for banned materials hazardous to the environment

Snap-in board locks for easy and secure assembly prior to soldering

Dual ports

Many configurations available
Plug & Socket for top or bottom
Various installation heights

Non-magnetic available

Non-ferrus materials
No nickle underplating permeability $\mu \leq 1.0025$ 100% tested for permeability



Silicone gasket

Front and rear panel mount available

Water-proof IP67 available

Zinc die-cast frames are watertight, providing mechanical strength, shielding and are rust retardant



Applications

Commercial Aerospace

Aircraft cabins

Medical Equipment

MRI

Patient monitoring

Test equipment and Control devices

Commercial Vehicle

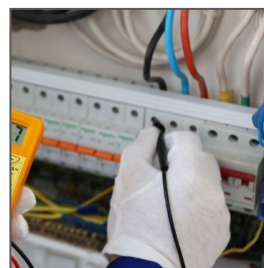
Defense

Security

Surveillance



MRI



Industrial Test Equipment



Aircraft Cabin

High-Density D-Sub Connectors With Machined Contacts



Specifications

REFERENCE INFORMATION

Packaging: Carton
 Mates With:
 IEC 60807-3 / DIN 41652
 MIL-DTL-24308
 Terminal Used: 1731130XXX crimp only
 RoHS: Yes, by exemption
 Halogen Free: No
 Glow Wire Compliant: No

ELECTRICAL

Voltage (max.): 1000V/1 minute
 Current (max.): 5.0A
 Contact Resistance: ≤ 15 milliohms
 Dielectric Withstanding Voltage: 1000VDC
 Insulation Resistance: ≥ 3000 M Ω

MECHANICAL

Mating Force per Signal Contact: ≤ 3.4 N
 Unmating Force per Signal Contact: ≥ 0.2 N
 Torque (max.): 40 Ncm

PHYSICAL

Insulator: Polyester, glass fiber filled, black
 Shell: Steel
 Shell Plating:
 Tin over nickel, pin connector shell with dimples
 Contact: Copper Alloy
 Operating Temperature:
 Standard -55°C (-67°F) to +130°C (266°F)
 Waterproof-25°C (-13°F) to +70°C (158°F)

Ordering Information

Series No.	Engineering No.	Component	Orientation	No. of Contacts
1731130141	F09-15P1G0-5337	Plug	Straight PCB	15
1731130142	F15-26P1G0-5337	Plug	Straight PCB	26
1731130143	F25-44P1G0-5337	Plug	Straight PCB	44
1731130144	F09-15S1G0-5337	Socket	Straight PCB	15
1731130145	F15-26S1G0-5337	Socket	Straight PCB	26
1731130146	F25-44S1G0-5337	Socket	Straight PCB	44
1731130147	F09-15P0G0-0008	Plug	Solder Pot	15
1731130148	F15-26P0G0-0008	Plug	Solder Pot	26
1731130149	F25-44P0G0-0008	Plug	Solder Pot	44
1731130150	F09-15S0G0-0008	Socket	Solder Pot	15
1731130151	F15-26S0G0-0008	Socket	Solder Pot	26
1731130152	F25-44S0G0-0008	Socket	Solder Pot	44
1731130153	F09-15P135G0-5979	Plug	Right Angle With Metal Bracket	15
1731130154	F15-26P135G0-5979	Plug	Right Angle With Metal Bracket	26
1731130155	F25-44P135G0-5979	Plug	Right Angle With Metal Bracket	44
1731130156	F09-15S135G0-5979	Socket	Right Angle With Metal Bracket	15
1731130157	F15-26S135G0-5979	Socket	Right Angle With Metal Bracket	26
1731130158	F25-44S135G0-5979	Socket	Right Angle With Metal Bracket	44

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Ordering Information

Part No.	Engineering No.	Component	Orientation	No. of Contacts
1731090035	FL09-15P7	Plug	Crimp	15
1731130099	FL15-26P7	Plug	Crimp	26
1731130101	FL25-44P7	Plug	Crimp	44
1731130103	FL37-62P7	Plug	Crimp	62
1731090036	FL09-15S7	Socket	Crimp	15
1731130100	FL15-26S7	Socket	Crimp	26
1731130102	FL25-44S7	Socket	Crimp	44
1731130104	FL37-62S7	Socket	Crimp	62
			Plating	
1731120223	FK22P-02V-5783	Pin	0.2µm Au (over Ni)	
1731120224	FK22P-08V-5783	Pin	0.8µm Au (over Ni)	
1731120225	FK22P-13V-5783	Pin	1.3µm Au (over Ni)	
1731120226	FK22SL-02V-5783	Socket	0.2µm Au (over Ni)	
1731120227	FK22SL-08V-5783	Socket	0.8µm Au (over Ni)	
1731120228	FK22SL-13V-5783	Socket	1.3µm Au (over Ni)	

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