

Datasheet for 76650-0149

General Information

Kit Part Number:	76650-0149
Connector Type:	Industrial
Solution:	Sealed Connectors
Molex Family:	USB and RJ45
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Current Rating:	1.5A, 1A
Mounting Style:	Panel Mount
Orientation:	Cables, Plugs, Vertical Receptacles
Pitch:	N/A
Tool Included:	No
Voltage Rating:	125V, 30VAC (RMS)

Product Highlights

Industrial USB (Universal Serial Bus) connectors bring one of the most popular and convenient I/O connectors into harsh commercial and industrial environments. USB connectors are ideal for both short-term diagnostics (that require simple and fast setup), without having to turn off computers or equipment, and permanent installations for data acquisition systems. The rugged, plug and receptacle designs feature bayonetstyle latches, encapsulated PCB receptacles and overmolded cable assemblies to help keep out dust, debris and water. Ethernet connectors are of Category 5e transmission performance and TIA/EIA-568-B (RJ-45) connection interface. RJ-45 EtherNet/IP* Cordsets and Receptacles are ideal for use in environments where EtherNet protocol is used, including manufacturing facilities, water treatment plants and transportation hubs. Designed with one sealing surface, the connectors ensure optimum performance even in harsh environments. *EtherNet/IP and ® DeviceNet are trademarks of the Open DeviceNet Vendor Association.

Features and Benefits

- IP67 and NEMA 6P Rating ensures cordsets are water and dust tight for functional integrity
- Fully shielded cable provides Electro Magnetic Interference/Radio Frequency Interference (EMI/RFI) protection
- Over molded cordsets, allow faster installation at customer site versus fieldwireable designs
- Bayonet-style latch receptacle provides quick and easy connection and ensures proper insertion depth with mating
- Ease-of-use
- Meets Open DeviceNet ® Vendorsâ€™™ Association and ControlNet ® Vendorsâ€™™ Association IP Specifications
- One Sealing Surface means less likelihood of failure
- Easy termination allows custom length cable to be made in field
- Robust bayonet style lock
- Simple error free mating

*EtherNet/IP and ® DeviceNet are trademarks of the Open DeviceNet Vendor Association. ® ControlNet is a trademark of ControlNet International, Ltd.

Applications

- Factory Automation
- Industrial Computers
- Industrial Controllers

<http://www.molexkits.com>

- Factory Peripherals
- Printers
- Barcode Scanners
- Robotics
- Vision Systems
- Motion and Process Controls
- Test and Measurement Equipment
- Medical Devices
- Factory Networking Installations
- Production Equipment
- Industrial Environment: Food and Beverage, Automotive, Chemical and Other continuous and batch processes
- Water Treatment plants: Waste water, Municipal drinking water
- Transportation Hubs: Airports, Bus Stations, Rail Stations
- Metal and explosive detectors
- EDS's (Explosive Detection System)
- ETD's (Explosive Trace Detector) • Military

Bill of Materials

Molex Part No.	Description	Quantity
84729-0001	0.152m (6.00") 28 AWG 5C Pigtailed, USB Type A, Panel Mount Receptacle	1
84729-0004	0.80m (2.62') USB Type A, Panel Mount, Receptacle to Plug, Cordset	1
84729-0009	USB Type A, Panel Mount PCB, Receptacle	1
84730-0001	USB Type B Panel Mount PCB Receptacle	1
84700-0001	Receptacle Panel Mount Assembly RJ-45 CAT5e	1
84700-0002	Plug Field Wireable Assembly RJ-45 CAT5e	1
84700-0003	Dust Cover for RJ-45 Bayonet-Style Latch Connector	1
84702-0005	Receptacle PCB Mount Assembly RJ-45 CAT5e	1
84702-0006	Receptacle Punchdown Panel Mount RJ-45 CAT5e	1

Recommended Molex Tool

Molex Part No.	Description
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