1801 Morgan Street
Rockford, Illinois 61102
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www.molexkits.com

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Datasheet for 76650-0142

General Information

Part Number:	76650-0142
Manufacturer:	Molex / Waldom
Title:	Sealed USB Industrial Connector and Cable Kit
Description:	USB Type A and B Shielded Panel Mount Plug, Receptacle and Cable, IP-67
Product Family:	Industrial USB
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant, UL, CSA and TUV
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design Configuration:	(Wire-to-Board) and (Wire-to-Wire)
Connector Type:	Receptacles and Plugs, Cables
Mounting Orientation:	Vertical (Receptacles)
USB Type:	A and B
Current Rating:	1 Amp
Voltage:	30 VoltsAC (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 bayonet style latches, encapsulated PCB receptacles and over molded cable assemblies to help keep out dust, debris and water.

Features and Benefits

- IP67 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 field-wireable designs
- Bayonet-style latch receptacle provides quick and easy connection and ensures proper insertion depth with mating
- Ease-of-use

Applications

- Factory Automation
- Industrial Computers and Controllers
- Factory Peripherals
- Printers
- Barcode Scanners
- Robotics
- Vision Systems
- Motion and Process Controls
- Test and Measurement Equipment
- Medical Devices
- Factory Networking Installations
- Production Equipment

For additional Molex / Waldom Design and Solution Kits please go to www.molexkits.com

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Bill of Materials for Part No. 76650-0142

Molex Part No.	Country of Origin	Description	Quantity in Kit
84727-1005	Mexico	0.5 Ft Long, 5C Pigtailed, USB Type A, Plug, Shielded	1
84728-1005	Mexico	0.5 Ft Long, 5C Pigtailed, USB Type B, Plug, Shielded	1
84729-0001	Taiwan	0.5 Ft Long, 28 AWG 5C Pigtailed, USB Type A, Panel Mount Receptacle	1
84729-0004	Taiwan	2.62 Ft Long USB Type A, Panel Mount, Receptacle to Plug, Cordset	1
84729-0009	Taiwan	USB Type A, Panel Mount PCB, Receptacle	1
84730-0001	Mexico	USB Type B Panel Mount PCB Receptacle	1
84732-0001	Mexico	31.5" Long, Dual USB Type A to Type B Plug Coupler Cordset	1

No Recommended Molex Tool for Part No. 76650-0142