

## Datasheet for 76650-0174

### General Information

<b>Part Number:</b>	76650-0174
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Sealed RJ-45 Industrial Connector Kit
<b>Description:</b>	In-Line, PCB and Panel Mount Receptacle, Plug, Receptacle and Dust cover
<b>Product Family:</b>	RJ-45
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant
<b>Country of Origin:</b>	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)

**Current Rating:** 1.5 Amps

**Voltage:** 125 Volts

### Product Highlights

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. Meets NEMA 6P and IP 67 rating.

\*EtherNet/IP and †DeviceNet are trademarks of the Open DeviceNet Vendor Association.

### Features and Benefits

- Meets NEMA 6P and IP 67 rating
- Bayonet-style latch receptacle provides quick and easy connection and ensures proper insertion depth with mating
- Ease-of-use
- Meets Open DeviceNet † Vendors' Association and ControlNet ‡ Vendors' 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

### Applications

- 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)

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

**For additional Molex / Waldom Design and Solution Kits please go to [www.molexkits.com](http://www.molexkits.com)**

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#### Bill of Materials for Part No. 76650-0174

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
84700-0001	Mexico	Receptacle Panel Mount Assembly RJ-45 CAT5e	2
84700-0002	Mexico	Plug Field Wireable Assembly RJ-45 CAT5e	3
84700-0003	Mexico	Dust Cover for RJ-45 Bayonet-Style Latch Connector	3
84702-0005	Mexico	Receptacle PCB Mount Assembly RJ-45 CAT5e	1
84702-0006	Mexico	Receptacle Punchdown Panel Mount RJ-45 CAT5e	1

#### No Recommended Molex Tool for Part No. 76650-0174