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Datasheet for 76650-0152

General Information

Part Number:	76650-0152
Manufacturer:	Molex / Waldom
Title:	MX150L Connector Kit
Description:	Dual Row Panel Mount Sealed Plug and Receptacle, IP-67
Product Family:	MX150L™
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design Configuration:	Wire-to-Wire
Pitch:	5.84mm (0.230")
Connector Type:	Plugs (Panel Mount) and Receptacles
Circuit Sizes:	2, 4 and 6
Current Rating:	18 Amps
Voltage:	600 Volts
Wire:	(22-18) and (16-14) AWG

Product Highlights

The pre-assembled, submersible MX150L is a high performance, environmentally sealed connector system suitable for challenging, rugged and harsh applications, supporting both low-level signal as well as power applications. The cost-effective connector design features all-in-one plug and receptacle housings with pre-assembled mat-wire and interfacial connector seals. The mating interface provides full IP67 sealing capability.

Features and Benefits	Applications

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

1801 Morgan Street
Rockford, Illinois 61102
800-435-2931
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- Simple crimp, poke and plug application, no need to crimp individual wire seals
- Audible and tactile clicks on insertion, extraction and mating
- Easy terminal extraction and insertion
- Quick, low-cost field repairs using common screw driver, needle nose pliers and terminal extraction tool
- Environmentally sealed to IP67
- Integrated mat wire seal
- Circuit plugs provide the ability to plan for possible future circuit additions, while maintaining the sealing integrity of the mated pair.

- Agriculture Equipment
- Construction Equipment
- Recreational Vehicles
- On-Engine automotive applications
- Marine Equipment

Bill of Materials for Part No. 76650-0152

Molex Part No.	Country of Origin	Description	Quantity in Kit
19420-0010-C	USA	Female Terminal (18-22) AWG, MX150L™	100
19417-0048-C	USA	Male Terminal (18-22) AWG, MX150L™	100
19420-0009-C	USA	Female Terminal (14-16) AWG, MX150L™	100
19417-0047-C	USA	Male Terminal (14-16) AWG, MX150L™	100
19418-0016	Taiwan	2-Way MX150L Receptacle Assy 22-18 AWG (Red Seal) no CPA	2
19429-0033	Taiwan	2 Way MX150L™ Panel Mount Plug 22-14 AWG, Rear Mount Flange, w/ Gasket	2
19418-0017	Taiwan	2-Way MX150L Receptacle Assy 16-14 AWG (Blue Seal) no CPA	2
19429-0041	Taiwan	2 Way MX150L™ Panel Mount Plug 22-14 AWG, Thru Hole Flange, w/ Gasket	2
19418-0018	Taiwan	4-Way MX150L Receptacle Assy 22-18 AWG (Red Seal) no CPA	1
19429-0035	Taiwan	4 Way MX150L™ Panel Mount Plug 22-14 AWG, Rear Mount Flange, w/ Gasket	1
19418-0019	Taiwan	4-Way MX150L Receptacle Assy 16-14 AWG (Blue Seal) no CPA	1
19429-0043	Taiwan	4 Way MX150L™ Panel Mount Plug 22-14 AWG, Thru Hole Flange, w/ Gasket	1
19418-0020	Taiwan	6-Way MX150L Receptacle Assy 22-18 AWG (Red Seal) no CPA	1
19429-0036	Taiwan	6 Way MX150L™ Panel Mount Plug 22-14 AWG, Rear Mount Flange, w/ Gasket	1
19418-0021	Taiwan	6-Way MX150L Receptacle Assy 16-14 AWG (Blue Seal) no CPA	1

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19429-0044	Taiwan	6 Way MX150L™ Panel Mount Plug 22-14 AWG, Thru Hole Flange, w/ Gasket	1
19417-0119	Taiwan	MX150L(TM) Circuit Voiding Key, DUAL GENDER	10
63813-1500	USA	Manual Extraction Tool	1

Recommended Molex Tool(s) for Part No. 76650-0152*

Molex Part No.	Country of Origin	Description
63811-4400 *	Germany	Hand Crimp Tool (22-18) and (16-14) AWG
63811-7600 *	Germany	Hand Crimp Tool (22-18) AWG

*Tool(s) not included in kit. Tool(s) ordered separately.

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