

Datasheet for 76650-0157

General Information

Part Number:	76650-0157
Manufacturer:	Molex / Waldom
Title:	MLX Power Connector Kit
Description:	Panel Mount Plug and Receptacle
Product Family:	MLX™
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration:	Wire to Wire
Pitch:	6.35mm (.250")
Connector Type:	Receptacles and Plugs
Circuit Sizes:	2, 3, 4, 6 and 9
Current Rating:	Dep. on Circuit Size: 11 Amps (15-6) circuits or 13.5 Amps (4-1) circuits
Voltage:	600 Volts
Wire size:	20-14 AWG

Product Highlights

The MLX Series is an industry compatible line of 2.13mm (.084") diameter plug and cap power connections. The MLX Series is interchangeable, intermateable and intermountable with industry standard products. This allows for greater flexibility in mating with existing wire harnesses, connectors or PCB headers. The housings are designed for both male and female Molex terminals, and industry compatible terminals. Molex has provided circuit identification grooves for circuits 2 and 3 along with the industry standard identification rib for circuit 1.

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Features and Benefits	Applications
<ul style="list-style-type: none"> • Housings: both male or female terminals • Positive locks • Fully isolated contacts • Systems are intermateable, intermountable, and interchangeable with industry standard versions • Cross compatible tested to assure industry compatibility • Circuit ID grooves to reduce assembly errors 	<ul style="list-style-type: none"> • Vending and Gaming • White Goods • Construction • Mining • Material Handling • Energy and Power • Environmental Equipment and Controls • Production Equipment • Non-Automotive Transportation: Recreational vehicles, Travel trailers, Boats

Bill of Materials for Part No. 76650-0157

Molex Part No.	Country of Origin	Description	Quantity in Kit
02-08-1002-C	India	MLX™ Female Socket Contacts (20-14) AWG	100
02-08-2004-C	India	MLX™ Male Pin Contacts (20-14) AWG	100
50-84-1020	India	.250" (6.35mm) Pitch MLX™ Pin & Socket Plug 2 Circuit	10
50-84-1030	India	.250" (6.35mm) Pitch MLX™ Pin & Socket Plug 3 Circuit	6
50-84-1040	India	.250" (6.35mm) Pitch MLX™ Pin & Socket Plug 4 Circuit	7
50-84-1060	India	.250" (6.35mm) Pitch MLX™ Pin & Socket Plug 6 Circuit	5
50-84-1090	India	.250" (6.35mm) Pitch MLX™ Pin & Socket Plug 9 Circuit	4
50-84-2020	India	.250" (6.35mm) Pitch MLX™ Pin & Socket Receptacle, Panel Mount 2 Circuit	10
50-84-2030	India	.250" (6.35mm) Pitch MLX™ Pin & Socket Receptacle, Panel Mount 3 Circuit	6
50-84-2040	India	.250" (6.35mm) Pitch MLX™ Pin & Socket Receptacle, Panel Mount 4 Circuit	7
50-84-2060	India	.250" (6.35mm) Pitch MLX™ Pin & Socket Receptacle, Panel Mount 6 Circuit	5
50-84-2090	India	.250" (6.35mm) Pitch MLX™ Pin & Socket Receptacle, Panel Mount 9 Circuit	4

Recommended Molex Tool(s) for Part No. 76650-0157*

Molex Part No.	Country of Origin	Description
63811-6800 *	Germany	Hand Crimp Tool
11-01-0168 *	USA	Extraction Tool

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

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