

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