



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Datasheet for 76650-0166

General Information

Part Number:	76650-0166
Manufacturer:	Molex / Waldom
Title:	Sealed Splash Proof Connector Kit
Description:	Sealed Plug and Receptacle, JIS D0203 S2 Waterproof Compliant
Product Family:	Mini-Splash Proof
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:	2.50mm (.098")
Connector Type:	Receptacles and Plugs
Circuit Sizes:	2, 3 and 4
Current Rating:	(3-4) Amp - Dependant on Wire Gauge
Voltage:	25 Volts
Wire:	22-20 AWG

Product Highlights

2.50 mm (.098") pitch Mini-Splash Proof, is a 2-4 circuit water-resistant WTW connector system. Mini-Splash Proof connectors are sealed for moisture environments, and JIS D0203 S2 Waterproof Compliant.

Features and Benefits

- JIS D0203 S2 waterproof compliant
- Unique seal stopper design provides low insertion force
- For tight packaging applications
- User-friendly friction lock saves space and protects locking latch area
- Polarizing rib to ensure proper mating
- Unique spring-beam design provides high pressure and small deflection for high vibration applications
- Stabilizing bump at tip keeps terminal in place during mating
- Raised split-beam design provides polarization
- Seal is in housing to simplify crimping process

Applications

- Motorcycle
- Recreation Vehicle
- Marine/Boat
- Bus
- Automobile Door Mirror
- Heated Toilet Seat
- Bug Zapper
- Outdoor Lighted Sign
- Vending Machine
- Medical
- Factory Automation Equipment

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

Datasheet for 76650-0166

Bill of Materials for Part No. 76650-0166

Molex Part No.	Country of Origin	Description	Quantity in Kit
50147-8100	Japan	Male (Mini) Splash Proof Crimp Terminals 22-20 AWG	50
50148-8100	Japan	Female (Mini) Splash Proof Crimp Terminals 22-20 AWG	50
52213-0211	Japan	2.50mm (.098") Pitch (Mini) Splash Proof Receptacle, 2 Circuit Version	5
52266-0211	Japan	2.50mm (.098") Pitch (Mini) Splash Proof Plug, 2 Circuit Version	5
52213-0311	Japan	2.50mm (.098") Pitch (Mini) Splash Proof Receptacle, 3 Circuit	3
52266-0311	Japan	2.50mm (.098") Pitch (Mini) Splash Proof Plug, 3 Circuit	3
52213-0417	Japan	2.50mm (.098") Pitch Splash Proof Receptacle Housing, 4 Circuits	2
52266-0417	Japan	2.50mm (.098") Pitch Splash Proof Plug Housing, 4 Circuits	2

Recommended Molex Tools for Part No. 76650-0166*

Molex Part No.	Country of Origin	Description
63811-8600 *	Singapore	Hand Crimp Tool - Splash Proof
57132-5000 *	Mexico	Hand Crimp Tool - Splash Proof - JAPAN
57147-6000 *	Mexico	Cap Tool - JAPAN
11-03-0043 *	USA	Extraction Tool

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