Chipsmall

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 76650-0043

General Information

Part Number:	76650-0043
Manufacturer:	Molex / Waldom
Title:	Solderless Terminal Kit
Description:	Assorted PVC Insulated Quick Disconnect, Ring, Spade, Butt Splice and Multi-Lock Terminals. Nylon Fully Insulated Quick Disconnect and Nylon Closed-End Terminals, with Crimp Tool
Product Family:	Solderless Terminals
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) and (Wire-to-Board) / Solderless Terminals
Size(s):	.250", # 6, # 10, 1/4" and 3/8"
Insulation:	PVC and Nylon
Current Rating:	Per (Proper) Wire Specification
Voltage:	Per (Proper) Wire Specification
Wire size:	(22-18), (22-14), (16-14) and (12-10)

Product Highlights

Quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a female-type receptacle which allows the terminal to slide onto and off of a male blade.
Spades have the open tongue end used for rapid insertion on the mounting screw. The spade is usually used on free standing studs.
Closed-end connectors are used in a variety of situations to "pigtail" or tie together 2 or more wires.
Butt Splices allow two stripped wires to be inserted into each end and "butt" in the center, with the crimp securing both wires together.

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Features and Benefits	Applications
• Color-coded insulator allows easy identification of terminal size and wire gauge. • A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires. • Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back. • The spade's open tongue end is for rapid insertion on the mounting screw / stud • The basic ring tongue type is the safest and most reliable because it cannot be disconnected unless the screw is completely removed.	• MRO (Maintenance Repair and Operations) • Consumer applications • Power applications • Motor applications • Powertrains • Transportation • Construction / Mining • Energy / Power • Production Equipment • Instrumentation • Environmental Equipment and Controls • Blower Motors

Bill of Materials for Part No. 76650-0043

Molex Part No.	Country of Origin	Description	Quantity in Kit
19004-0005	USA	Fully Insulated .250" Male Quick Disconnects, 16-14 AWG	25
19005-0005	USA	Fully Insulated .250" Female Quick Disconnects, 16-14 AWG	25
19017-0037	USA	Insulated .250" Female Quick Disconnects, 16-14 AWG	25
19023-0012	USA	Insulated .250" Male Quick Disconnects, 16-14 AWG	25
19054-0033	USA	Insulated #6 Ring Tongue Terminals, 22-18 AWG	25
19054-0081	USA	Insulated #6 Ring Tongue Terminals, 16-14 AWG	25
19054-0086	USA	Insulated 1/4" Ring Tongue Terminals, 16-14 AWG	25
19054-0113	USA	Insulated #10 Ring Tongue Terminals, 16-14 AWG	25
19070-0123	USA	Insulated #10 Ring Tongue Terminals, 12-10 AWG	25
19070-0153	USA	Insulated 3/8" Ring Tongue Terminals, 12-10 AWG	25
19142-0003	USA	Insulated #6 Spade Terminals, 22-18 AWG	25
19142-0029	USA	Insulated #6 Spade Terminals, 16-14 AWG	25
19142-0032	USA	Insulated #10 Spade Terminals, 16-14 AWG	25
19144-0042	USA	Insulated #10 Spade Terminals, 12-10 AWG	25
19154-0004	USA	Insulated Butt Splice Connectors, 22-18 AWG	25
19154-0015	USA	Insulated Butt Splice Connectors, 16-14 AWG	25
19154-0028	USA	Insulated Butt Splice Connectors, 12-10 AWG	25
19160-0002	USA	Insulated Closed-end Splice Connectors, 16-10 AWG	25
19160-0012	USA	Insulated Closed-end Splice Connectors, 22-14 AWG	25
19216-0003	USA	Insulated Multi-Lock Connectors, 16-14 AWG	15

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

Datasheet for 76650-0043

CT-4071-1R^	Taiwan	Universal Hand Crimping Tool, 22-10 AWG	1

^ =Tool Provided by Waldom

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Datasheet for 76650-0043

Recommended Molex Tool(s) for Part No. 76650-0043*

Molex Part No.	Country of Origin	Description
64001-0100 *	USA	Hand Crimp Tool (RHT-1990)
64001-0200 *	USA	Hand Crimp Tool (RHT-1991)
64001-0300 *	USA	Hand Crimp Tool (RHT-1993)
64001-0600 *	USA	Hand Crimp Tool (RHT-7000)
64001-1400 *	USA	Hand Crimp Tool (RHT-2100)
64001-1500 *	USA	Hand Crimp Tool (RHT-2200)
64001-2000 *	USA	Hand Crimp Tool (RHT-5758)
64001-4700 *	USA	Hand Crimp Tool (RHT-2761-CC)

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

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