

Datasheet for 76650-0001

General Information

Part Number:	76650-0001
Manufacturer:	Molex / Waldom
Title:	HCS-125 Power Connector Kit
Description:	Single Row Plug and Receptacle with Universal Crimp Tool
Product Family:	HCS-125
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:	8.38mm (.330")
Connector Type:	Plugs and Receptacles
Circuit Sizes:	1, 2, 3 and 4
Current Rating:	(12 and 20) Amps - Dependent on Wire Gauge
Voltage:	600 Volts
Wire size:	(18-16) and (14-10) AWG

Product Highlights

HCS-125 is a high current, economical power pin and socket wire-to-wire power connector. Capable of carrying up to 20 amperes per circuit in a wire-to-wire configuration. These connectors are Dual gender housings, can take either pins or sockets.

Features and Benefits

- The HCS-125 is an enhanced version of the Molex proven .125" system and meets the need for a connector system rated at greater than the industry standard 12.0A per circuit
- Positive locks prevent accidental unmating
- Fully isolated terminals protect terminals
- Pull tabs

Applications

- Residential or commercial appliances
- HVAC equipment
- Computer servers
- Networking equipment
- Office equipment
- Fitness equipment
- Medical equipment
- Retail Security Scanning Systems

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

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Bill of Materials for Part No. 76650-0001

Molex Part No.	Country of Origin	Description	Quantity in Kit
03-12-1016	USA	8.38mm (.330") Pitch HCS-125 Receptacle 1 Circuit	10
03-12-1026	USA	8.38mm (.330") Pitch HCS-125 Receptacle 2 Circuit	5
03-12-1036	USA	8.38mm (.330") Pitch HCS-125 Receptacle 3 Circuit	5
03-12-1046	USA	8.38mm (.330") Pitch HCS-125 Receptacle 4 Circuit	5
03-12-2016	USA	8.38mm (.330") Pitch HCS-125 Free Hanging Plug 1 Circuit	10
03-12-2026	USA	8.38mm (.330") Pitch HCS-125 Free Hanging Plug 2 Circuit	5
03-12-2035	USA	8.38mm (.330") Pitch HCS-125 Panel Mount Plug 3 Circuit	5
03-12-2045	USA	8.38mm (.330") Pitch HCS-125 Panel Mount Plug 4 Circuit	5
18-12-1222	USA	3.18mm (.125") Diameter Female Crimp Terminals, 18-16 AWG	25
18-12-1602	USA	3.18mm (.125") Diameter Female Crimp Terminals, 14-10 AWG	25
18-12-2222	USA	3.18mm (.125") Diameter Male Crimp Terminals, 18-16 AWG	25
18-12-2602	USA	3.18mm (.125") Diameter Male Crimp Terminals, 14-10 AWG	25
CT-4071-1R^	TAIWAN	Universal Crimping, Bolt Cutter, Wire Stripping Tool	1

^ = Tool Provided by Waldom

Recommended Molex Tool(s) for Part No. 76650-0001*

Molex Part No.	Country of Origin	Description
11-03-0008 *	USA	Extraction Tool (HT-2066-A)
63811-1100 *	Germany	Hand Crimper (14-10)
63819-1100 *	Sweden	Hand Crimper (18-16)

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