



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 76650-0001

### General Information

<b>Part Number:</b>	76650-0001
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	HCS-125 Power Connector Kit
<b>Description:</b>	Single Row Plug and Receptacle with Universal Crimp Tool
<b>Product Family:</b>	HCS-125
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

<b>Design</b>	
<b>Configuration:</b>	Wire-to-Wire
<b>Pitch:</b>	8.38mm (.330")
<b>Connector Type:</b>	Plugs and Receptacles
<b>Circuit Sizes:</b>	1, 2, 3 and 4
<b>Current Rating:</b>	(12 and 20) Amps - Dependent on Wire Gauge
<b>Voltage:</b>	600 Volts
<b>Wire size:</b>	(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

**Datasheet for 76650-0001**

**Bill of Materials for Part No. 76650-0001**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
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\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
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.