



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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## General Information

<b>Part Number:</b>	76650-0127
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	PicoBlade Connector Kit
<b>Description:</b>	SMT Friction Lock Right Angle Header and Receptacle
<b>Product Family:</b>	PicoBlade™
<b>Certificates:</b>	(Molex Parts within this kit) - UL and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

## Specifications

### Design

<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	1.25mm (.049")
<b>Connector Type:</b>	Headers and Receptacles

### Mounting

<b>Orientation:</b>	Right Angle
<b>Circuit Sizes:</b>	2, 3, 4, 6 and 8
<b>Current Rating:</b>	1 Amp
<b>Voltage:</b>	125 Volts
<b>Wire size:</b>	32-28 AWG

## Product Highlights

1.25mm (.049") pitch PicoBlade™ system is designed for high-density harness applications. PicoBlade provides the same 1.0 amperes of current as similar 2.00mm (.079") pitch systems, but in a more compact design. PicoBlade™ is offered in wire-to-board and wire-to-wire options. The system saves about 45% of PCB space compared to typical 2.00mm wire-to-board systems. It is a single row system, available in 2 to 15 circuits, with both surface mount and through-hole headers.

### Features and Benefits

- Reliable terminal for solid electrical connection
- Friction lock for good mating retention
- Polarizing features ensures proper mating orientation
- Two solder tabs for better connection to the PCB

### Applications

- Car Radios
- Process controls
- Cash dispensers
- Patient monitors
- Alarm systems
- Set top boxes
- DVD players

**[For additional Molex / Waldom Design and Solution kits please go to www.molexkits.com](http://www.molexkits.com)**

**Bill of Materials for Part No. 76650-0127**

Molex Part No.	Country of Origin	Description	Quantity in Kit
50058-8000-C	Japan	PicoBlade™ Crimp Terminal, Female, 32-28 AWG	100
51021-0200	Japan	1.25mm (.049") Pitch PicoBlade™ Receptacle, 2 Circuits	10
51021-0300	Japan	1.25mm (.049") Pitch PicoBlade™ Receptacle, 3 Circuits	10
51021-0400	Japan	1.25mm (.049") Pitch PicoBlade™ Receptacle, 4 Circuits	10
51021-0600	Japan	1.25mm (.049") Pitch PicoBlade™ Receptacle, 6 Circuits	10
51021-0800	Japan	1.25mm (.049") Pitch PicoBlade™ Receptacle, 8 Circuits	10
53261-0271	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 2 Circuits	10
53261-0371	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 3 Circuits	10
53261-0471	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 4 Circuits	10
53261-0671	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 6 Circuits	10
53261-0871	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 8 Circuits	10

**Recommended Molex Tool(s) for Part No. 76650-0127\***

Molex Part No.	Country of Origin	Description
63819-0400 *	Sweden	Hand Crimp Tool
11-03-0043 *	USA	Extraction Tool

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