

General Information

Part Number:	76650-0129
Manufacturer:	Molex / Waldom
Title:	PicoBlade Connector Kit
Description:	SMT Friction Lock Vertical and Right Angle Header and Receptacle
Product Family:	PicoBlade™
Certificates:	(Molex parts within this kit) - UL and CSA
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

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

Mounting

Orientation:	Right Angle and Vertical
Circuit Sizes:	2, 4, 6 and 8
Current Rating:	1 Amp
Voltage:	125 Volts
Wire size:	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. 76650-0129

Molex Part No.	Country of Origin	Description	Quantity in Kit
50058-8000-C	Japan	PicoBlade™ Crimp Terminal, Female, 32-28 AWG	100
51021-0200-P	Japan	1.25mm (.049") Pitch PicoBlade™ Receptacle, 2 Circuits	5
51021-0400-P	Japan	1.25mm (.049") Pitch PicoBlade™ Receptacle, 4 Circuits	5
51021-0600-P	Japan	1.25mm (.049") Pitch PicoBlade™ Receptacle, 6 Circuits	5
51021-0800-P	Japan	1.25mm (.049") Pitch PicoBlade™ Receptacle, 8 Circuits	5
53261-0271-P	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 2 Circuits	5
53261-0471-P	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 4 Circuits	5
53261-0671-P	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 6 Circuits	5
53261-0871-P	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 8 Circuits	5
53398-0271-P	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 2 Circuits	5
53398-0471-P	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 4 Circuits	5
53398-0671-P	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 6 Circuits	5
53398-0871-P	Japan	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 8 Circuits	5

Recommended Molex Tool(s) for Part No. 76650-0129*

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.