

General Information

Part Number:	76650-0125
Manufacturer:	Molex / Waldom
Title:	PicoBlade Connector Kit
Description:	Friction Lock Plug 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-Wire
Pitch:	1.25mm (.049")
Connector Type:	Plugs and Receptacles
Circuit Sizes:	2, 3, 4, 6 and 10
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. 76650-0125

Molex Part No.	Country of Origin	Description	Quantity in Kit
51047-0200	Japan	1.25mm (.049") Pitch PicoBlade™ Plug , 2 Circuits	10
51047-0300	Japan	1.25mm (.049") Pitch PicoBlade™ Plug, 3 Circuits	10
51047-0400	Japan	1.25mm (.049") Pitch PicoBlade™ Plug, 4 Circuits	10
51047-0600	Japan	1.25mm (.049") Pitch PicoBlade™ Plug, 6 Circuits	10
51047-1000	Japan	1.25mm (.049") Pitch PicoBlade™ Plug, 10 Circuits	10
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
51021-1000	Japan	1.25mm (.049") Pitch PicoBlade™ Receptacle, 10 Circuits	10
50058-8000-C	Japan	PicoBlade™ Crimp Terminal, Female, 32-28 AWG	100
50133-8100-C	Japan	PicoBlade™ Crimp Terminal, Male, 32-28 AWG	100

Recommended Molex Tool(s) for Part No. 76650-0125*

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.