

## Datasheet for 76650-3017

### General Information

<b>Kit Part Number:</b>	76650-3017
<b>Connector Type:</b>	Wire-to-Board
<b>Solution:</b>	Off the Board Connectors
<b>Molex Family:</b>	PicoBlade™, Europe Kits
<b>Certificates:</b>	N/A
<b>Country of Origin:</b>	Kit assembled in U.S.A

### Specifications

<b>Circuit Size:</b>	10, 12, 2, 3, 4, 6, 8
<b>Current Rating:</b>	0.8-1A
<b>Mounting Style:</b>	SMT (Surface Mount Technology)
<b>Orientation:</b>	Plugs, Receptacles, Right Angle Headers
<b>Pitch:</b>	1.25mm (.049")
<b>Tool Included:</b>	Yes
<b>Voltage Rating:</b>	125V
<b>Wire Gauge (AWG):</b>	32-28

### 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

## Bill of Materials

Molex Part No.	Description	Quantity
50058-8000	PicoBlade™ Crimp Terminal, Female, 32-28 AWG	100
51021-0200	1.25mm (.049") Pitch PicoBlade™ Receptacle, 2 Circuits	10
51021-0300	1.25mm (.049") Pitch PicoBlade™ Receptacle, 3 Circuits	10
51021-0400	1.25mm (.049") Pitch PicoBlade™ Receptacle, 4 Circuits	10
51021-0600	1.25mm (.049") Pitch PicoBlade™ Receptacle, 6 Circuits	10
51021-0800	1.25mm (.049") Pitch PicoBlade™ Receptacle, 8 Circuits	10
51021-1000	1.25mm (.049") Pitch PicoBlade™ Receptacle, 10 Circuits	5
53261-0271	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 2 Circuits	10
53261-0371	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 3 Circuits	10
53261-0471	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 4 Circuits	10
53261-0671	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 6 Circuits	10
53261-0871	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 8 Circuits	10
53261-1071	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 10 Circuits	5
53398-0271	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 2 Circuits	10
53398-0371	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 3 Circuits	10
53398-0471	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 4 Circuits	10
53398-0671	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 6 Circuits	10
53398-0871	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 8 Circuits	10
53398-1071	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 10 Circuits	5

## Recommended Molex Tool

Molex Part No.	Description
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