

## Datasheet for 76650-0127

### General Information

<b>Kit Part Number:</b>	76650-0127
<b>Connector Type:</b>	Wire-to-Board
<b>Solution:</b>	Off the Board Connectors
<b>Molex Family:</b>	PicoBlade™
<b>Certificates:</b>	N/A
<b>Country of Origin:</b>	Kit assembled in U.S.A

### Specifications

<b>Circuit Size:</b>	2, 3, 4, 6, 8
<b>Current Rating:</b>	1A
<b>Mounting Style:</b>	SMT (Surface Mount Technology)
<b>Orientation:</b>	Receptacles, Right Angle Headers
<b>Pitch:</b>	1.25mm (.049")
<b>Tool Included:</b>	No
<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**

<b>Molex Part No.</b>	<b>Description</b>	<b>Quantity</b>
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
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

**Recommended Molex Tool**

<b>Molex Part No.</b>	<b>Description</b>
63819-0400 (not included in kit)	<a href="#">Click for more info</a>
11-03-0043 (not included in kit)	<a href="#">Click for more info</a>