

Datasheet for 76650-0128

General Information

Kit Part Number:	76650-0128
Connector Type:	Wire-to-Board, Wire-to-Wire
Solution:	Off the Board and Free Hanging Connectors
Molex Family:	PicoBlade™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	10, 4, 6, 8
Current Rating:	1A
Mounting Style:	SMT (Surface Mount Technology)
Orientation:	Plugs, Receptacles, Right Angle Headers, Vertical Headers
Pitch:	1.25mm (.049")
Tool Included:	No
Voltage Rating:	125V
Wire Gauge (AWG):	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
51047-0400	1.25mm (.049") Pitch PicoBlade™ Plug, 4 Circuits	5
51047-0600	1.25mm (.049") Pitch PicoBlade™ Plug, 6 Circuits	5
51047-0800	1.25mm (.049") Pitch PicoBlade™ Plug, 8 Circuits	5
51047-1000	1.25mm (.049") Pitch PicoBlade™ Plug, 10 Circuits	5
51021-0400	1.25mm (.049") Pitch PicoBlade™ Receptacle, 4 Circuits	5
51021-0600	1.25mm (.049") Pitch PicoBlade™ Receptacle, 6 Circuits	5
51021-0800	1.25mm (.049") Pitch PicoBlade™ Receptacle, 8 Circuits	5
51021-1000	1.25mm (.049") Pitch PicoBlade™ Receptacle, 10 Circuits	5
53261-0471	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 4 Circuits	5
53261-0671	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 6 Circuits	5
53261-0871	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 8 Circuits	5
53261-1071	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Right Angle, 10 Circuits	5
53398-0471	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 4 Circuits	5
53398-0671	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 6 Circuits	5
53398-1071	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 10 Circuits	5
50133-8100	PicoBlade™ Crimp Terminal, Male, 32-28 AWG	100
50058-8000	PicoBlade™ Crimp Terminal, Female, 32-28 AWG	100
53398-0871	1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, 8 Circuits	5

Recommended Molex Tool

Molex Part No.	Description
63819-0400 (not included in kit)	Click for more info
11-03-0043 (not included in kit)	Click for more info