

## General Information

<b>Kit Part Number:</b>	<a href="#">76650-0125</a>
<b>Description:</b>	Friction Lock Plug and Receptacle
<b>Application:</b>	Automotive / Transportation, Consumer Products, Industrial Equipment, Medical
<b>Connector Family:</b>	PicoBlade™
<b>Solution:</b>	Free Hanging Connectors
<b>Connector Type:</b>	Wire-to-Wire
<b>Number of Pieces:</b>	300
<b>RoHS:</b>	Yes

## Specifications

<b>Adapter Family:</b>	2, 3, 6, 10
<b>Current Rating:</b>	1A
<b>Mounting Style:</b>	Free-Hanging
<b>Orientation:</b>	Receptacles, Plugs
<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

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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**

Part No.	Qty In Kit	Description	Datasheet	P/N Details	
<a href="#">51047-0200</a>	10	1.25mm (.049") Pitch PicoBlade&trade; Plug , 2 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	
<a href="#">51021-0600</a>	10	1.25mm (.049") Pitch PicoBlade&trade; Receptacle, 6 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	
<a href="#">51047-0300</a>	20	1.25mm (.049") Pitch PicoBlade&trade; Plug, 3 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	
<a href="#">51047-0600</a>	10	1.25mm (.049") Pitch PicoBlade&trade; Plug, 6 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	
<a href="#">51047-1000</a>	10	1.25mm (.049") Pitch PicoBlade&trade; Plug, 10 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	
<a href="#">51021-0200</a>	10	1.25mm (.049") Pitch PicoBlade&trade; Receptacle, 2 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	
<a href="#">51021-0300</a>	20	1.25mm (.049") Pitch PicoBlade&trade; Receptacle, 3 Circuits	<a href="#">Datasheet</a>	<a href="#">Details</a>	
<a href="#">51021-1000</a>	10	1.25mm (.049") Pitch PicoBlade&trade; Receptacle, 10 Circuit...	<a href="#">Datasheet</a>	<a href="#">Details</a>	
<a href="#">50058-8000</a>	100	PicoBlade&trade; Crimp Terminal, Female, 32-28 AWG	<a href="#">Datasheet</a>	<a href="#">Details</a>	
<a href="#">50133-8100</a>	100	PicoBlade&trade; Crimp Terminal, Male, 32-28 AWG	<a href="#">Datasheet</a>	<a href="#">Details</a>	

**Recommended Tool**

Part No.	Included in Kit
<a href="#">63819-0400</a>	No
<a href="#">11-03-0043</a>	No
<a href="#">63819-0300</a>	No
<a href="#">63900-3700</a>	No
<a href="#">63811-0000</a>	No
<a href="#">63910-3700</a>	No
<a href="#">63820-7000</a>	No
<a href="#">63860-7000</a>	No
<a href="#">57067-3200</a>	No
<a href="#">57072-6000</a>	No
<a href="#">57139-5000</a>	No





