



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## 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





