

General Information

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

Specifications

Adapter Family:	2, 3, 6, 10
Current Rating:	1A
Mounting Style:	Free-Hanging
Orientation:	Receptacles, Plugs
Pitch:	1.25mm (.049")
Tool Included:	No
Voltage Rating:	125V
Wire Gauge (AWG):	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	
51047-0200	10	1.25mm (.049") Pitch PicoBlade™ Plug , 2 Circuits	Datasheet	Details	
51021-0600	10	1.25mm (.049") Pitch PicoBlade™ Receptacle, 6 Circuits	Datasheet	Details	
51047-0300	20	1.25mm (.049") Pitch PicoBlade™ Plug, 3 Circuits	Datasheet	Details	
51047-0600	10	1.25mm (.049") Pitch PicoBlade™ Plug, 6 Circuits	Datasheet	Details	
51047-1000	10	1.25mm (.049") Pitch PicoBlade™ Plug, 10 Circuits	Datasheet	Details	
51021-0200	10	1.25mm (.049") Pitch PicoBlade™ Receptacle, 2 Circuits	Datasheet	Details	
51021-0300	20	1.25mm (.049") Pitch PicoBlade™ Receptacle, 3 Circuits	Datasheet	Details	
51021-1000	10	1.25mm (.049") Pitch PicoBlade™ Receptacle, 10 Circuit...	Datasheet	Details	
50058-8000	100	PicoBlade™ Crimp Terminal, Female, 32-28 AWG	Datasheet	Details	
50133-8100	100	PicoBlade™ Crimp Terminal, Male, 32-28 AWG	Datasheet	Details	

Recommended Tool

Part No.	Included in Kit
63819-0400	No
11-03-0043	No
63819-0300	No
63900-3700	No
63811-0000	No
63910-3700	No
63820-7000	No
63860-7000	No
57067-3200	No
57072-6000	No
57139-5000	No





