

## Datasheet for 76650-0123

### General Information

<b>Kit Part Number:</b>	76650-0123
<b>Connector Type:</b>	Wire-to-Board
<b>Solution:</b>	Off the Board Connectors
<b>Molex Family:</b>	Picoflex®
<b>Certificates:</b>	N/A
<b>Country of Origin:</b>	Kit assembled in U.S.A

### Specifications

<b>Circuit Size:</b>	10, 12, 16, 4, 6, 8
<b>Current Rating:</b>	1.2A
<b>Mounting Style:</b>	SMT (Surface Mount Technology)
<b>Orientation:</b>	IDT Receptacles, Vertical Headers
<b>Pitch:</b>	1.27mm (.050")
<b>Tool Included:</b>	No
<b>Voltage Rating:</b>	250V
<b>Wire Gauge (AWG):</b>	28-26

### Product Highlights

Picoflex® has a mated height of 6.40mm for vertical mating configurations, which is approximately 15% less than traditional .050" connector systems. A strong one-piece upper housing provides excellent cable retention and is ideal for small circuit size application. The high-reliability contact features a four-point interface with the cable and two points of contact between the header and receptacle. Picoflex® also offers excellent polarization to both the PCB and between the female connector and header.

#### Features and Benefits

- Mates with industry standard .050" cable
- Two points of contact between the header and receptacle
- Tested to meet the high vibration/shock requirements of automotive and consumer electronics industries

#### Applications

- Car Radios
- Televisions
- Computer Peripherals
- Telecommunications

**Bill of Materials**

<b>Molex Part No.</b>	<b>Description</b>	<b>Quantity</b>
90814-0808	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 8 Circuits	2
90814-0810	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 10 Circuits	2
90814-0812	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 12 Circuits	2
90814-0816	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 16 Circuits	2
90327-0304	1.27mm (.050") Pitch Picoflex® PF-50, IDT Receptacle, 4 Circuits	2
90327-0306	1.27mm (.050") Pitch Picoflex® PF-50, IDT Receptacle, 6 Circuits	2
90327-0308	1.27mm (.050") Pitch Picoflex® PF-50, IDT Receptacle, 8 Circuits	2
90327-0310	1.27mm (.050") Pitch Picoflex® PF-50, IDT Receptacle, 10 Circuits	2
90327-0312	1.27mm (.050") Pitch Picoflex® PF-50, IDT Receptacle, 12 Circuits	2
90327-0316	1.27mm (.050") Pitch Picoflex® PF-50, IDT Receptacle, 16 Circuits	2
90814-0804	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 4 Circuits	2

**Recommended Molex Tool**

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