

## General Information

<b>Part Number:</b>	76650-0123
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Picoflex Connector Kit
<b>Description:</b>	SMT Vertical Header and IDT Receptacle
<b>Product Family:</b>	Picoflex®
<b>Certificates:</b>	RoHS Compliant, UL, CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

## Specifications

### Design

<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	1.27mm (.050")
<b>Connector Type:</b>	Insulation Displacement Technology Receptacles and Vertical SMT Headers

### Mounting

<b>Orientation:</b>	Vertical
<b>Circuit Sizes:</b>	4, 6, 8, 10, 12, and 16
<b>Current Rating:</b>	1.2 Amps
<b>Voltage:</b>	250 Volts
<b>Flat Cable size:</b>	28-26 AWG

## 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

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**Bill of Materials for Part No. 76650-0123**

Molex Part No.	Country of Origin	Description	Quantity in Kit
90814-0804	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 4 Circuits	2
90814-0806	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 6 Circuits	2
90814-0808	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 8 Circuits	2
90814-0810	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 10 Circuits	2
90814-0812	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 12 Circuits	2
90814-0816	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, Low Profile, with PCB Pegs, 16 Circuits	2
90327-0304	Ireland	1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 4 Circuits, White, Tin Plated	2
90327-0306	Ireland	1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 6 Circuits, White, Tin Plated	2
90327-0308	Ireland	1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 8 Circuits, White, Tin Plated	2
90327-0310	Ireland	1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 10 Circuits, White, Tin Plated	2
90327-0312	Ireland	1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 12 Circuits, White, Tin Plated	2
90327-0316	Ireland	1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 16 Circuits, White, Tin Plated	2