

## General Information

<b>Part Number:</b>	76650-0124
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Picoflex Deluxe Connector Kit
<b>Description:</b>	SMT Vertical and Right Angle Header, Receptacle and IDT Board-In Receptacle Header
<b>Product Family:</b>	Picoflex®
<b>Certificates:</b>	(Molex Parts within this kit)-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>	IDT Receptacles, Vertical SMT Headers, Right Angle Headers, and IDT Board-in Headers

### Mounting

<b>Orientation:</b>	Vertical, Right Angle
<b>Circuit Sizes:</b>	6, 8, 10 and 12
<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. 76650-0124**

Molex Part No.	Country of Origin	Description	Quantity in Kit
90325-7006	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 Header, Right Angle, 6 Circuits	2
90325-7008	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 Header, Right Angle, Low Profile, 8 Circuits	2
90325-7010	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 Header, Right Angle, Low Profile, 10 Circuits	2
90325-7012	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 Header, Right Angle, 12 Circuits	2
90327-0306	Ireland	1.27mm (.050") Pitch Picoflex® PF-50, IDT Receptacle, 6 Circuits	4
90327-0308	Ireland	1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, 8 Circuits	4
90327-0310	Ireland	1.27mm (.050") Pitch Picoflex® PF-50, IDT Receptacle Low Profile, 10 Circuits	4
90327-0312	Ireland	1.27mm (.050") Pitch Picoflex® PF-50, IDT Receptacle Low Profile, 12 Circuits	4
90584-1306	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle Header, 6 Circuits	2
90584-1308	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle Header, 8 Circuits	2
90584-1310	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle Header, 10 Circuits	2
90584-1312	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle Header, 12 Circuits	2
90814-0806	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, 6 Circuits	2
90814-0808	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, 8 Circuits	2
90814-0810	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, 10 Circuits	2
90814-0812	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 SMT Header, Vertical, 12 Circuits	2