

## Datasheet for 76650-0121

### General Information

<b>Part Number:</b>	76650-0121
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Picoflex Connector Kit
<b>Description:</b>	IDT Board-In Right Angle 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>	Insulation Displacement Technology Board-in Header

#### Mounting

<b>Orientation:</b>	Right Angle
<b>Circuit Sizes:</b>	4, 6, 8, 10, 12, 14, 16, 18, 20, and 26
<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

**For additional Molex / Waldom Design and Solution kits please go to [www.molexkits.com](http://www.molexkits.com)**

**Datasheet for 76650-0121**

**Bill of Materials for Part No. 76650-0112**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
90584-1304	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, 4 Circuits	2
90584-1306	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, 6 Circuits	2
90584-1308	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, 8 Circuits	2
90584-1310	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, 10 Circuits	2
90584-1312	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, 12 Circuits	2
90584-1314	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, 14 Circuits	2
90584-1316	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, 16 Circuits	2
90584-1318	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, 18 Circuits	2
90584-1320	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, 20 Circuits	2
90584-1326	Ireland	1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, 26 Circuits	2