

## Datasheet for 76650-0173

### General Information

<b>Kit Part Number:</b>	76650-0173
<b>Connector Type:</b>	Board-to-Board
<b>Solution:</b>	Blind-Mate Connectors
<b>Molex Family:</b>	EBBI™ 50D
<b>Certificates:</b>	N/A
<b>Country of Origin:</b>	Kit assembled in U.S.A

### Specifications

<b>Circuit Size:</b>	30, 40, 50, 60, 68, 80
<b>Current Rating:</b>	1A
<b>Mounting Style:</b>	PCB Through Hole
<b>Orientation:</b>	Plugs, Vertical Receptacles
<b>Pitch:</b>	1.27mm (.050")
<b>Tool Included:</b>	No
<b>Voltage Rating:</b>	30V

### Product Highlights

The Molex® EBBI™ 50D series meets the market demand for low-cost, unshielded, high density, leaf-style connectors. Leaf-style terminals are arranged in two rows on 1.27mm (.050") spacing within a polarized "D"- shaped housing for rugged mechanical protection. Housings are made of high-temperature, UL 94V-0 thermoplastic. Terminals are plated with 30 micro-inches min. gold in the mating area for long term reliability and durability.

#### Features and Benefits

- Polarized guide posts on ends provide generous 2.0mm (0.078") radial lead-in for blind mating
- Chamfered lead-in on tails for PCB mounting
- Press-fit retention pegs for mechanical hold down before and after processing
- Surface Mount Compatible
- Polarized D-shape leaf contact for parallel board packaging
- Mates to standard 1.57mm (.062") PCB card edge

#### Applications

- Consumer (General)
- Vending and Gaming
- Business Machines
- High-End Computer
- Production Equipment

**Bill of Materials**

<b>Molex Part No.</b>	<b>Description</b>	<b>Quantity</b>
71660-7030	1.27mm (.050") Pitch EBBI™ 50D Blind Mate Vertical Receptacle, 30 Circuits	1
71660-7040	1.27mm (.050") Pitch EBBI™ 50D Blind Mate Vertical Receptacle, 40 Circuits	1
71660-7050	1.27mm (.050") Pitch EBBI™ 50D Receptacle, Vertical, Blind-Mate, 50 Circuits	1
71660-7060	1.27mm (.050") Pitch EBBI™ 50D Blind Mate Vertical Receptacle, 60 Circuits	1
71660-7080	1.27mm (.050") Pitch EBBI™ 50D Blind Mate Vertical Receptacle, 80 Circuits	1
71660-7068	1.27mm (.050") Pitch EBBI™ 50D Blind Mate Vertical Receptacle, 68 Circuits	1
71661-7030	1.27mm (.050") Pitch EBBI™ 50D Blind Mate Vertical Plug, 30 Circuits	1
71661-7040	1.27mm (.050") Pitch EBBI™ 50D Blind Mate Vertical Plug, 40 Circuits	1
71661-7050	1.27mm (.050") Pitch EBBI™ 50D Plug, Vertical, Blind-Mate, 50 Circuits	1
71661-7060	1.27mm (.050") Pitch EBBI™ 50D Blind Mate Vertical Plug, 60 Circuits	1
71661-7068	1.27mm (.050") Pitch EBBI™ 50D Blind Mate Vertical Plug, 68 Circuits	1
71661-7080	1.27mm (.050") Pitch EBBI™ 50D Blind Mate Vertical Plug, 80 Circuits	1

**Recommended Molex Tool**

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