

Datasheet for 76650-0173

General Information

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

Specifications

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

Molex Part No.	Description	Quantity
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

Molex Part No.	Description
-----------------------	--------------------