

Datasheet for 76650-0173

General Information

Part Number:	76650-0173
Manufacturer:	Molex / Waldom
Title:	EBBI 50D Connector Kit
Description:	BMI PCB Vertical Plug and Receptacle 2.79mm Tail length
Product Family:	EBBI 50D
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration:	Board-to-Board
Pitch:	1.27mm (.050")
Connector Type:	Plugs and Receptacles

Mounting

Oreintation:	Vertical
Circuit Sizes:	30, 40, 50, 60, 68 and 80
Current Rating:	1Amp
Voltage Rating:	30 Volts

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 .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 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 .062" PCB card edge

Applications

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

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

Datasheet for 76650-0173

Bill of Materials for Part No. 76650-0173

Molex Part No.	Country of Origin	Description	Quantity in Kit
71660-7030	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Receptacle 30CKT	1
71660-7040	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Receptacle 40 CKT	1
71660-7050	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Receptacle 50CKT	1
71660-7060	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Receptacle 60CKT	1
71660-7068	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Receptacle 68CKT	1
71660-7080	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Receptacle 80CKT	1
71661-7030	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Plug 30CKT	1
71661-7040	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Plug 40 CKT	1
71661-7050	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Plug 50CKT	1
71661-7060	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Plug 60CKT	1
71661-7068	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Plug 68CKT	1
71661-7080	USA	.050" (1.27mm) Pitch EBBI™ 50D Blind Mate Vertical Plug 80CKT	1

No Recommended Molex Tool for Part No. 76650-0173