



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

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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