

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0716612568](#)  
**Status:** **Active**  
**Overview:** [ebbi\\_50d](#)  
**Description:** 1.27mm (.050") Pitch EBBI™ 50D Plug, Right Angle, Blind-Mate, 68 Circuits, 2.79mm (.110") PC Tail Length

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-71660 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">71661</a>
Application	Board-to-Board, Signal, Wire-to-Board
Overview	<a href="#">ebbi_50d</a>
Product Name	EBBI™

**Physical**

Breakaway	No
Circuits (Loaded)	68
Circuits (maximum)	68
Color - Resin	Black
Durability (mating cycles max)	2,000
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PC Tail Length	2.79mm (.110")
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm (.063")
Packaging Type	Tray
Pitch - Mating Interface	1.27mm (.050")
Pitch - Termination Interface	1.27mm (.050")
Plating min - Mating	0.762µm (30µ")
Plating min - Termination	1.270µm (50µ")
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

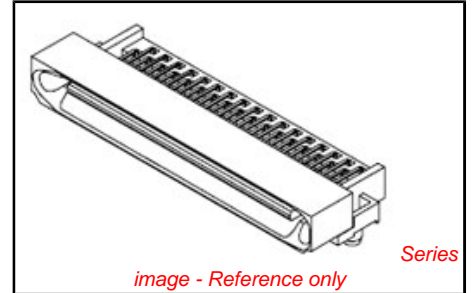


image - Reference only

<p><b>EU RoHS</b>  <b>ELV and RoHS</b>  <b>Compliant</b>  <b>REACH SVHC</b>  <b>Contains SVHC: No</b>  <b>Low-Halogen Status</b>  <b>Low-Halogen</b></p>	<p><b>China RoHS</b></p>
--	--------------------------

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[71661Series](#)

**Mates With**  
 EBBI™ 50D Receptacle [71660](#) , [87537](#)

**Electrical**

Current - Maximum per Contact 1A  
Voltage - Maximum 30V

**Solder Process Data**

Lead-free Process Capability SMC & Wave Capable (TH only)  
Process Temperature max. C 235

**Material Info****Reference - Drawing Numbers**

Product Specification PS-71660  
Sales Drawing SDA-71661-25\*\*

This document was generated on 02/22/2011

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**