

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0716607040](#)
Status: **Active**
Overview: [ebbi_50d](#)
Description: 1.27mm (.050") Pitch EBBI™ 50D Receptacle, Vertical, Blind-Mate, 40 Circuits

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [71660](#)
 Application Board-to-Board, Signal
 Application Tooling Part Link [622004600](#)
 Application Tooling Part Link [622005500](#)
 MolexKits Yes
 Overview [ebbi_50d](#)
 Product Name EBBI™

Physical

Circuits (Loaded) 40
 Color - Resin Black
 Durability (mating cycles max) 2,000
 Flammability 94V-0
 Glow-Wire Compliant No
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 2.79mm (.110")
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 2.79mm (.110")
 Packaging Type Tray
 Pitch - Mating Interface 1.27mm (.050")
 Plating min - Mating 0.762µm (30µ")
 Plating min - Termination 0.254µm (10µ")
 Polarized to PCB Yes
 Temperature Range - Operating -40°C to +105°C
 Termination Interface: Style Through Hole

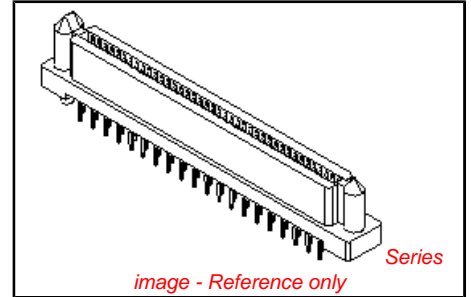
Electrical

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

Solder Process Data

Lead-free Process Capability SMC & Wave Capable (TH only)
 Process Temperature max. C 260

Material Info



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

Need more information on product environmental compliance?

Email 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
[71660Series](#)

Mates With
[71661-7xxx](#) , [71661-25xx](#)

Application Tooling | FAQ
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.
Global

Description	Product #
IDT - Manual Press	0622004600
IDT - Manual Press	0622005500

Reference - Drawing Numbers
Sales Drawing

SDA-71660-7***

This document was generated on 05/11/2011

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION