

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [71660-7640](#)
Status: **Active**
Overview: [EBBI™ 50D](#)
Description: 1.27mm 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](#)
 Overview [EBBI™ 50D](#)
 Product Name EBBI™
 UPC 822348226177

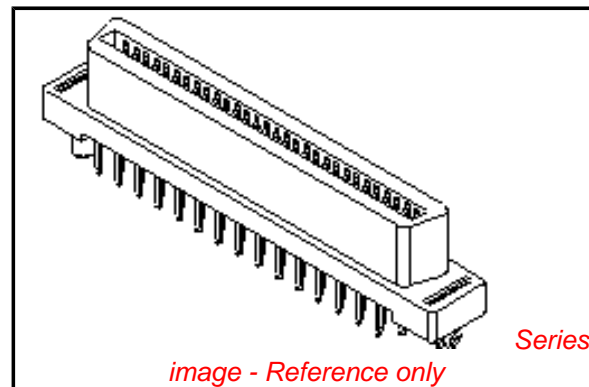
Physical

Circuits (Loaded) 40
 Circuits (maximum) 40
 Color - Resin Black
 Durability (mating cycles max) 2,000
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part Yes
 Lock to Mating Part None
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 2.385/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 3.94mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 3.94mm
 Packaging Type Tray
 Pitch - Mating Interface 1.27mm
 Plating min - Mating 0.762µm
 Plating min - Termination 0.254µm
 Polarized to PCB Yes
 Surface Mount Compatible (SMC) 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



EU RoHS

ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Low-Halogen

China RoHS



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](#)

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

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Sales Drawing	SDA-71660-7***
---------------	----------------

This document was generated on 10/11/2012

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION