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**Part Number:** [0717431040](#)  
**Status:** **Active**  
**Overview:** [EBBI™ 50D](#)  
**Description:** 1.27mm Pitch EBBI™ 50D Receptacle, Vertical SCA-2, 40 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-73826-0000 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series [71743](#)  
 Application Board-to-Board, Signal  
 Overview [EBBI™ 50D](#)  
 Product Name EBBI™  
 UPC 800753680692

**Physical**

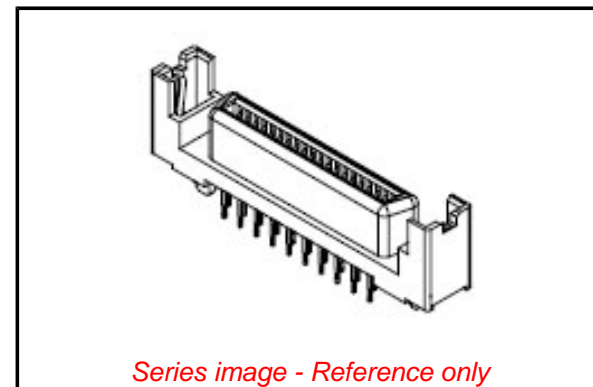
Circuits (Loaded) 40  
 Circuits (maximum) 40  
 Color - Resin Black  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part Yes  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 3.090/g  
 Number of Rows 2  
 Orientation Vertical  
 PC Tail Length 3.18mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 3.18mm  
 Packaging Type Tray  
 Pitch - Mating Interface 1.27mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 0.254µm  
 Polarized to PCB Yes  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 1.0A  
 Voltage - Maximum 30V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 040  
 Lead-free Process Capability SMC&WAVE  
 Max. Cycles at Max. Process Temperature 003  
 Process Temperature max. C 260



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(2014 December 17): No

**Halogen-Free**

**Status**

**Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[71743 Series](#)

**Mates With**

[87572](#) , [87571](#) , [87012](#)

**Material Info**

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-73826-0000  
SDA-71743-104\*

This document was generated on 07/07/2015

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