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**Part Number:** [0717434040](#)  
**Status:** **Active**  
**Overview:** [sca2](#)  
**Description:** 1.27mm (.050") Pitch EBBI™ 50D Receptacle, Vertical SCA-2, 40 Circuits, SMT, 2.49mm (.098") Retention Clip

**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  
 Comments Circuits 21-23, 26, 29, 32, 35-40 are advanced terminals for sequential first-mate/last-break mating  
 Overview [sca2](#)  
 Product Name EBBI™, SCA-2

**Physical**

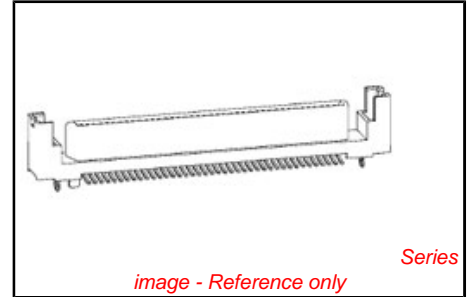
Circuits (Loaded) 40  
 Color - Resin Black  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part Yes  
 Lock to Mating Part None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Number of Rows 2  
 Orientation Vertical  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm (.063")  
 Packaging Type Tray  
 Pitch - Mating Interface 1.27mm (.050")  
 Plating min - Mating 0.762µm (30µ")  
 Plating min - Termination 1.905µm (75µ")  
 Polarized to PCB Yes  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Surface Mount

**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



<p><b>EU RoHS</b>  <b>ELV and RoHS</b>  <b>Compliant</b>  <b>REACH SVHC</b>                  Not Reviewed  <b>Low-Halogen Status</b>                  Not Reviewed</p>	<p><b>China RoHS</b></p>
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**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.

<p><b>Search Parts in this Series</b>  <a href="#">71743Series</a></p>
<p><b>Mates With</b>  <a href="#">87572</a> , <a href="#">87571</a> , <a href="#">87012</a></p>

**Material Info**

Country of Origin

US

**Reference - Drawing Numbers**

Packaging Specification

PK-70873-5025

Product Specification

PS-73826-0000

Sales Drawing

SD-71743-003

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