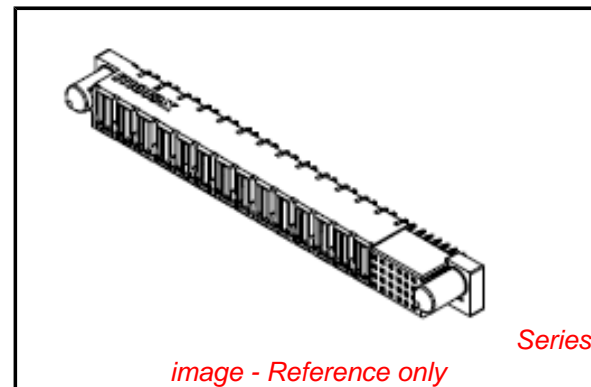


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**Part Number:** [87710-2003](#)  
**Status:** **Active**  
**Overview:** EXTreme PowerPlus™ (SSI)  
**Description:** 6.35mm Pitch, Power, 2.54mm Pitch, Signal, EXTreme PowerPlus™ S-P(B) Receptacle, Press-fit, Vertical, 0.76µm Gold (Au) Plating, 30 Circuits, Power Beta 6, Signal 24, Recessed Power Circuits at B4, B5, B6, Lead-Free

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                 | <a href="#">Application Specification AS-87631-018 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Application Specification AS-87633-007 (PDF)</a> |
| <a href="#">Product Specification PS-87633-006 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |



**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |  |
|----------------|--|
| Product Family | PCB Receptacles                          |
| Series         | <a href="#">87710</a>                    |
| Application    | Board-to-Board, Power                    |
| Comments       | Recessed Power Circuits at: B4, B5, B6   |
| Overview       | <a href="#">EXTreme PowerPlus™ (SSI)</a> |
| Product Name   | EXTreme PowerPlus™                       |
| UPC            | 822348731749                             |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 6p - 24s                       |
| Circuits (Loaded)              | 30                             |
| Circuits (maximum)             | 30                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 100                            |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | Yes                            |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 13.694/g                       |
| Number of Rows                 | 4                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 3.43mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 2.54mm, 4.45mm, 6.35mm         |
| Pitch - Termination Interface  | 2.54mm, 4.45mm, 6.35mm         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Stackable                      | No                             |
| Temperature Range - Operating  | -20°C to +105°C                |
| Termination Interface: Style   | Through Hole - Compliant Pin   |

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



**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**

[87710Series](#)

**Mates With**

[87667 PCB Headers](#)

**Electrical**

Current - Maximum per Contact

2.5A, 30A, 50A

Voltage - Maximum

250V DC

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

Application Specification

AS-87631-018, AS-87633-007

Product Specification

PS-87633-006

Sales Drawing

SD-87710-011

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