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**Part Number:** [0877791001](#)  
**Status:** **Active**  
**Overview:** Serial ATA Connectors  
**Description:** 1.27mm Pitch Serial ATA Backplane Receptacle, Through Hole, Vertical, Standard Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

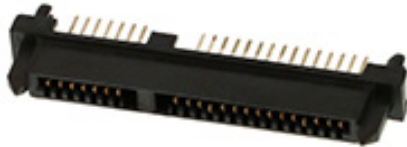
|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| <b>Documents:</b>              |                                                                |
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-87779-011-001 (PDF)</a>   |
| <a href="#">3D Model (PDF)</a> | <a href="#">Packaging Specification PK-87779-100-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

|                             |  |                                       |
|-----------------------------|--|---------------------------------------|
| <b>Agency Certification</b> |  |                                       |
| CSA                         |  | LR19980                               |
| UL                          |  | E29179                                |
| <b>General</b>              |  |                                       |
| Product Family              |  | PCB Receptacles                       |
| Series                      |  | <a href="#">87779</a>                 |
| Application                 |  | Board-to-Board, Signal                |
| Electrical Model            |  | Yes                                   |
| Overview                    |  | <a href="#">Serial ATA Connectors</a> |
| Product Name                |  | Serial ATA                            |
| UPC                         |  | 822348731916                          |

|                                |  |                |
|--------------------------------|--|----------------|
| <b>Physical</b>                |  |                |
| (p)ower-(s)ignal Configuration |  | 15p - 7s       |
| Circuits (Loaded)              |  | 22             |
| Circuits (maximum)             |  | 22             |
| Durability (mating cycles max) |  | 500            |
| Flammability                   |  | 94V-0          |
| Glow-Wire Capable              |  | No             |
| Lock to Mating Part            |  | Yes            |
| Material - Plating Mating      |  | Gold           |
| Material - Plating Termination |  | Tin            |
| Net Weight                     |  | 1.354/g        |
| Number of Rows                 |  | 1              |
| Orientation                    |  | Vertical       |
| PC Tail Length                 |  | 3.45mm         |
| PCB Locator                    |  | Yes            |
| PCB Retention                  |  | None           |
| PCB Thickness - Recommended    |  | 0.80mm, 2.50mm |
| Packaging Type                 |  | Tray           |
| Pitch - Mating Interface       |  | 1.27mm         |
| Plating min - Mating           |  | 0.762µm        |
| Plating min - Termination      |  | 2.540µm        |
| Polarized to Mating Part       |  | Yes            |
| Polarized to PCB               |  | Yes            |
| Surface Mount Compatible (SMC) |  | Yes            |
| Temperature Range - Operating  |  | -40° to +105°C |
| Termination Interface: Style   |  | Surface Mount  |

|                               |  |      |
|-------------------------------|--|------|
| <b>Electrical</b>             |  |      |
| Current - Maximum per Contact |  | 1.5A |
| Voltage - Maximum             |  | 30V  |

|                                                |  |          |
|------------------------------------------------|--|----------|
| <b>Solder Process Data</b>                     |  |          |
| Duration at Max. Process Temperature (seconds) |  | 010      |
| Lead-freeProcess Capability                    |  | SMC&WAVE |



Series image - Reference only

|                                                                                                                                                                                                                                                  |                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                                                                                             |                                                                                               |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>D(2021)4569-DC (8<br>July 2021)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b><br><br><br><br><br><br><br><br><br><br>China ROHS<br>ELV<br>RoHS Phthalates |
|                                                                                                                                                                                                                                                  | Green Image<br>Not Relevant<br>Not Contained                                                  |

**Search Parts in this Series**  
[87779](#) Series

**Mates With**  
[87703](#) Serial ATA Combo Plug, [87799](#) Serial ATA Combo Plug

|                                         |     |
|-----------------------------------------|-----|
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C              | 260 |

**Material Info**

**Reference - Drawing Numbers**

|                           |                                    |
|---------------------------|------------------------------------|
| Electrical Model Document | EE-87779-001-001, EE-87779-002-001 |
| Packaging Specification   | PK-87779-100-001                   |
| Product Specification     | PS-87779-011-001                   |
| S-Parameter Model         | SP-87779-002-001                   |
| Sales Drawing             | SD-87779-020-001                   |

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