This connector can be connected to headers having 2.36mm (0.093") diameter pins. Since the pitch between circuits is large, 8.0mm (.315"), this connector is ideally suited for the power supply circuits of TVs, stereo systems and VCRs.

Features

- **Three-point contact**
  The mating section of the contact has a triangular configuration so that the terminal grips the round mating pin at three points. Furthermore, this contact keeps its high force after mating and unmating many times, thus assuring high reliability.

- **Anti-misinsertion construction**
  The pitch between positions 1 and 2 of the housings and the headers having three or more circuits is 10.0mm (.394"), while the pitch of the other circuits is 8.0mm (.315"). This provides polarization which in turn prevents mismating the connector.

- **Flux entry prevention**
  The solder side of the header pins are closed so as to completely prevent flux or solder from entering. The tight press-fit of the pin into the header insulator also prevents flux from coming up the pin.

Specifications

- Current rating: SVF-01T-2.36N: 5.0A AC, DC  
  SVF-01T-2.36LN: 7.0A AC, DC
- Temperature range: -25°C to +85°C 
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/10mΩ max.  
  After environmental testing/20mΩ max.
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,500V AC/minute
- Applicable wire: SVF-01T-2.36N: AWG #24 to #20  
  SVF-01T-2.36LN: AWG #24 to #18
- Applicable PC board thickness: 1.6mm (.063")
  * Contact JST for details.

Standards

- Recognized file No. E60389
- Certified file No. LR20812
- File No. R75121 (conforms to DIN/VDE 0627)
**LV CONNECTOR**

### Contact

![Diagram of LV Connector Contact](image)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire</th>
<th>Q’ty / reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVF-01T-2.36N</td>
<td>0.2 to 0.5 mm², 24 to 20 AWG</td>
<td>15,000</td>
</tr>
<tr>
<td>SVF-01T-2.36LN</td>
<td>0.2 to 0.83 mm², 24 to 18 AWG</td>
<td>5,000</td>
</tr>
</tbody>
</table>

**Material and Finish**

- Phosphor bronze, Tin-plated

### Housing

#### (1 circuit)

![Diagram of Noryl Housing (1 circuit)](image)

#### (2 circuit)

![Diagram of PBT Housing (2 circuit)](image)

#### (3 to 6 circuits)

![Diagram of PBT Housing (3 to 6 circuits)](image)

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Dimensions mm(in.)</th>
<th>Q’ty / bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>S1P-LV</td>
<td>10.0 (.394)</td>
<td>1,000</td>
</tr>
<tr>
<td>2</td>
<td>2P-LV</td>
<td>18.0 (.709)</td>
<td>500</td>
</tr>
<tr>
<td>3</td>
<td>3P-LV</td>
<td>26.0 (1.024)</td>
<td>500</td>
</tr>
<tr>
<td>4</td>
<td>4P-LV</td>
<td>34.0 (1.339)</td>
<td>500</td>
</tr>
<tr>
<td>5</td>
<td>5P-LV</td>
<td>42.0 (1.654)</td>
<td>500</td>
</tr>
<tr>
<td>6</td>
<td>6P-LV</td>
<td>50.0 (1.969)</td>
<td>500</td>
</tr>
</tbody>
</table>

**Material**

- Noryl: P-LV; Noryl, UL94V-1, natural (gray)
- PBT: S-P-LV-P, UL94V-0, natural (black)

**Precautions:**

When using the housing made of noryl, it has poor chemical resistance against oils and organic solvents. Do not allow the housing to come into contact with oil. Do not clean any printed circuit board while the housing is attached.
**Note:**

1. Tolerances are non-cumulative: ±0.05mm (±.002") for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.