This connector can be connected to headers having 2.36mm diameter pins. Since the pitch between circuits is large, 8.0mm, 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, while the pitch of the other circuits is 8.0mm. 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: 5A AC, DC (AWG #20)
  - SVF-01T-2.36LN: 7A AC, DC (AWG #18)

• **Voltage rating:** 250V AC, DC

• **Temperature range:** -25°C to +85°C (including temperature rise in applying electrical current)

• **Contact resistance:** Initial value/10m Ω max.
  After environmental testing/20m Ω max.

• **Insulation resistance:** 1,000M Ω 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

  * Compliant with RoHS.

  * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.

  * Contact JST for details.

Standards

- Recognized E60389
- Certified LR20812
- R75121
LV CONNECTOR

Contact

Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

Housing

(1 circuit) (2 circuits) (3 to 6 circuits)

Circuits | Model No. | Dimensions (mm) | Q'ty / bag |
---|---|---|---|
1 | S1P-LV, S1P-LV-P | — | 1,000 |
2 | 2P-LV, 2P-LV-P | 10.0, 16.0 | 1,000 |
3 | 3P-LV, 3P-LV-P | 18.0, 24.0 | 500 |
4 | 4P-LV, 4P-LV-P | 26.0, 32.0 | 500 |
5 | 5P-LV, 5P-LV-P | 34.0, 40.0 | 500 |
6 | 6P-LV, 6P-LV-P | 42.0, 48.0 | 500 |

Material
S1P-LV, S1P-LV-P: Modified PPE, UL94V-1, gray
S1P-LV-P, S1P-LV-P: PBT, UL94V-0, black

RoHS compliance
Precautions:
When using the housing made of Modified PPE, 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.
LV CONNECTOR

Header

PC board layout (viewed from soldering side) and Assembly layout

Crimping machine, Applicator

<table>
<thead>
<tr>
<th>Contact</th>
<th>Crimping machine</th>
<th>Crimp applicator</th>
<th>Dies</th>
<th>Crimp applicator with dies</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVF-01T-2.36N</td>
<td>AP-K2N</td>
<td>MK-L</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MK/SVF-01-236N</td>
<td>-</td>
<td>APLMK SVF01-236N</td>
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<td>APLMK SVF01-236LN</td>
</tr>
</tbody>
</table>

1. Tolerances are non-cumulative: ±0.05mm 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.

Note:

RoHS compliance TA type products display (LF) on a label.

For availability, delivery and minimum order quantity, contact JST.

ex. B2P-LV-TA-00 (blank)...natural (ivory)
    BK...black

Pin: Brass
Wafer: Glass filled PA 66, UL94V-0, natural (ivory)