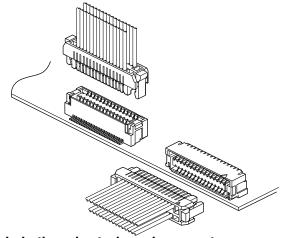


# SHLV CONNECTOR



1.0 mm pitch/Disconnectable Crimp style connectors



This is the wire to board connector corresponding to the high frequency transmission (LVDS: Low Voltage Differential Signaling) with a lot of adoption for PDP. LCD - TV and so on. This connector was developed to have excellent workability, strength and cost performance. This connector is used not only for LVDS, but also for multi - circuits connector (small and space saving type) in normal circuit.

- Corresponding to LVDS (Low Voltage Differential Signaling)
- Secure locking structure
- Connector strength
- Contact locking structure

## Specifications -

- Current rating: 1.0 A AC/DC (AWG #28)
- Voltage rating: 30 V AC/DC
- Temperature range: -25°C to +85°C

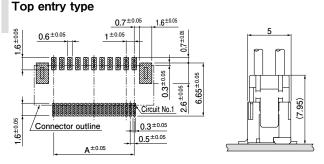
(including temperature rise in applying

- electrical current) Contact resistance: Initial value/ 30 mΩ max.
  - After environmental tests/  $50 \text{ m}\Omega$  max.
- Insulation resistance: 100 M $\Omega$  min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire: Conductor size/ AWG #32 to #28 Insulation O.D./ 0.4 to 0.8 mm
- \* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

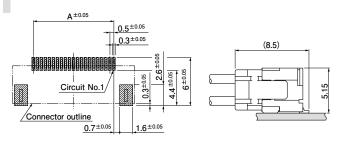
### **Standards**

Recognized E60389

### PC board layout and Assembly layout

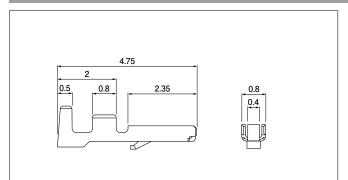


### Side entry type



- Note: 1. The above figure is the figure viewed from the connector mounting side.
  - 2. Tolerances are non-cumulative: ± 0.05 mm for all centers.
  - 3. The dimensions above should serve as a guideline. Contact JST for details.

### Contact



	Model No.	Applicable wire		Insulation O.D. (mm)	O'tu/rool
		mm²	AWG #	insulation O.D. (IIIII)	Q ty/reer
	SSHL-003GA1-P0.2	0.032~0.08	32~28	0.4~0.8	41,000

#### Material and Finish

Phosphor bronze, nickel-undercoated, Mating part; gold-plated.

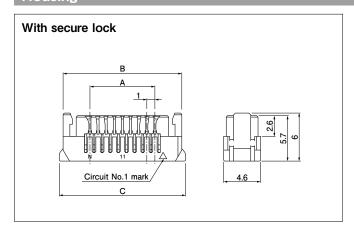
### RoHS2 compliance

	Contact	Crimping	Applicator				
		machine	Crimp applicator	Dies	Crimp applicator with dies		
	SSHL-003GA1-P0.2	AP-K2N	MKS-L-10-3	MK/SSH/L-003-02	APLMK SSH/L003-02		

Note: Contact JST for fully automatic crimping applicator.

# **SHLV CONNECTOR**

### Housing



No. of	Model No.	Dii	mensions (r	nm)	Q'ty/bag
circuits	wiodei ivo.	Α	В	С	
21	SHLVP-21V-S-1	10.0	16.7	17.7	3,000
31	SHLVP-31V-S-1	15.0	21.7	22.7	2,000

### Material and Finish

PBT, UL94V-0, natural (white)

### RoHS2 compliance

<For reference> As the color identification,

the following alphabet shall be put in the underlined part.

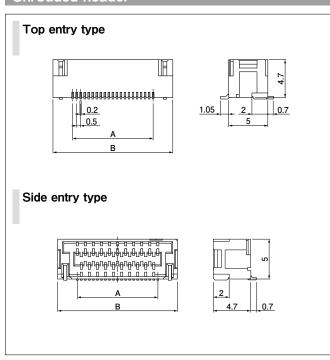
For availability, delivery and minimum order quantity, contact JST.

SHLVP-21V-S-1

S...natural (white)

LE...light blue

### Shrouded header



No. of	Model No.	Dimensio	ons (mm)	
circuits	Top entry type	Α	В	Q'ty/reel
21	BM21B-SHLVS-G-TBT	10.0	15.0	1,500
31	BM31B-SHLVS-G-TBT	15.0	20.0	1,500

No. of	Model No.	Dimensio	ons (mm)	0'+-/
circuits	Side entry type	Α	В	Q'ty/reel
21	SM21B-SHLVS-G-TB	10.0	15.0	2,000
31	SM31B-SHLVS-G-TB	15.0	20.0	2,000

### Material and Finish

Contact: Phosphor bronze, nickel-undercoated, gold-plated Wafer: Polyamide, UL94V-0, natural (ivory)

Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

RoHS2 compliance This product displays (LF)(SN) on a label. The products listed above are supplied on embossed-tape.

<For reference> As the color identification,

the following alphabet shall be put in the underlined part.

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

<Top entry type>

### ex. BM21B-SHLVS-G-TBT

S...natural (ivory)

LE...light blue

<Side entry type>

### ex. SM21B-SHLVS-G-TB

S...natural (ivory)

LE...light blue