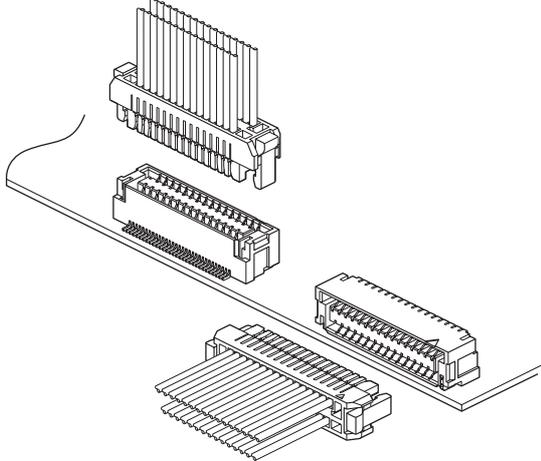


SHLV CONNECTOR

1.0mm 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 lock
- Connector strength
- Contact lock structure

Specifications

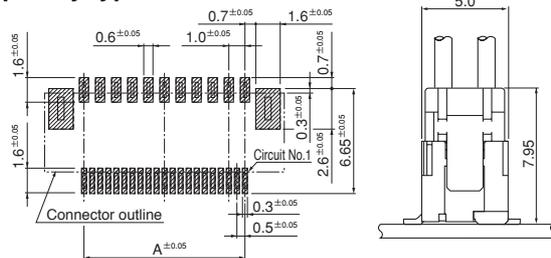
- Current rating: 1.0A AC, DC (AWG #28)
 - Voltage rating: 30V AC, DC
 - Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
 - Contact resistance: Initial value/30m Ω max. After environmental testing/50m Ω max.
 - Insulation resistance: 100M Ω min.
 - Withstanding voltage: 500V AC/minute
 - Applicable wire: Conductor size/AWG #32 to #28 Insulation O.D./0.4 to 0.8mm
- * RoHS compliant products are published.
 * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
 * Contact JST for details.

Standards

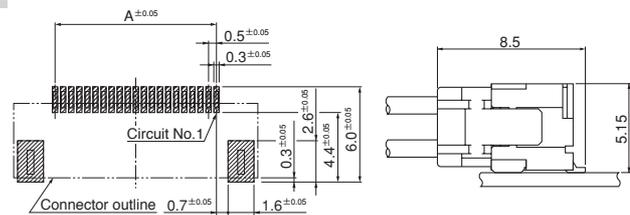
- Ⓜ Recognized E60389
- Ⓢ Certified LR20812

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

Top entry type

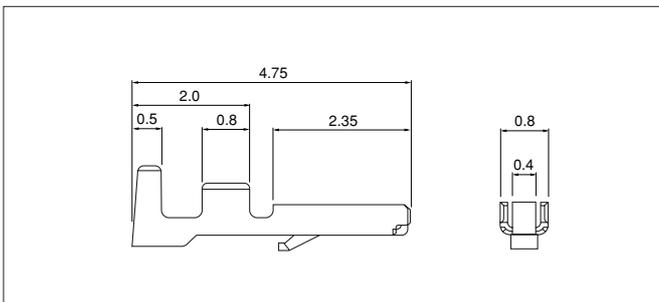


Side entry type



Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.
 2. The dimensions above should serve as a guideline. Contact JST for details.

Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty / reel
	mm ²	AWG#		
SSHL-003GA1-P0.2	0.032~0.08	32~28	0.4~0.8	30,000

Material and Finish

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

RoHS compliance

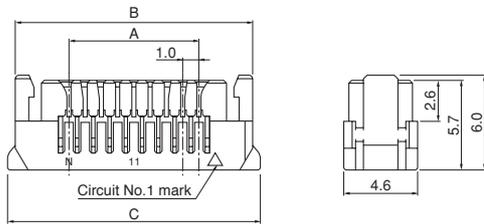
Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SSHL-003GA1-P0.2	AP-K2N	MKS-L-10-3	MK/SSH/L-003-02	APLMK SSH/L003-02
		*MKS-SC	SC/SSH/L-003-02	APLSC SSH/L003-02

Note: *Strip-crimp applicator
 Contact JST for applicable wires in case that it is not usable due to wire size.

SHLV CONNECTOR

Housing

With secure lock



Circuits	Model No.	Dimensions (mm)			Q'ty / bag
		A	B	C	
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

PBT, UL94V-0, natural(white)

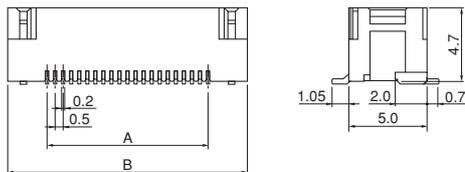
RoHS compliance

<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.

ex. **SHLVP-21V-S-1**
 S...natural (white)
 LE...light blue

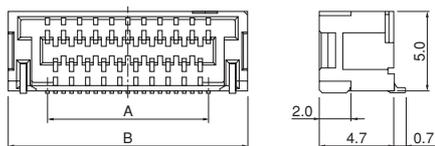
Shrouded header

Top entry type



Circuits	Model No.	Dimensions (mm)		Q'ty / reel
		A	B	
21	BM21B-SHLVS-G-TBT	10.0	15.0	1,500
31	BM31B-SHLVS-G-TBT	15.0	20.0	1,500

Side entry type



Circuits	Model No.	Dimensions (mm)		Q'ty / reel
		A	B	
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)

RoHS compliance This product displays (LF)(SN) on a label. This 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>

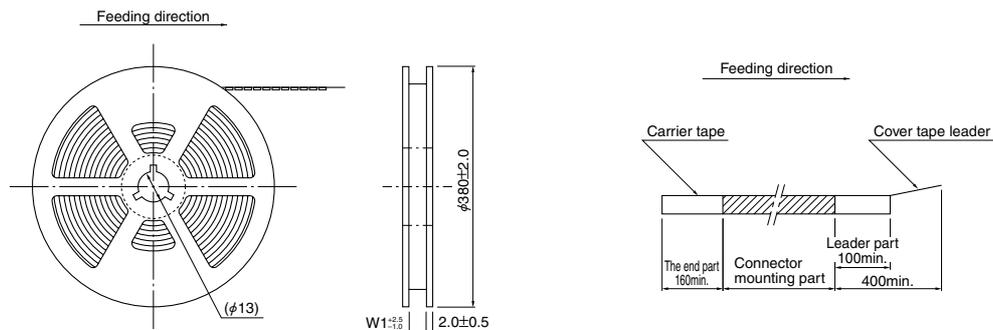
ex. **BM21B-SHLVS-G-TBT**
 S...natural (ivory)
 LE...light blue

<Side entry type>

ex. **SM21B-SHLVS-G-TB**
 S...natural (ivory)
 LE...light blue

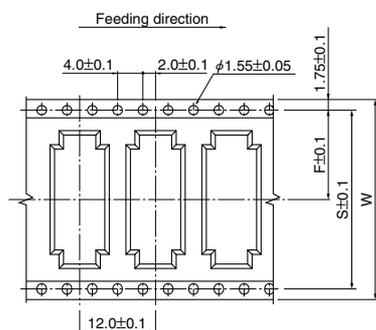
SHLV CONNECTOR

Taping specifications

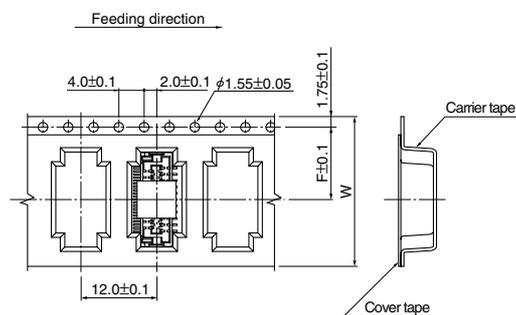


Top entry type

(31 circuits)

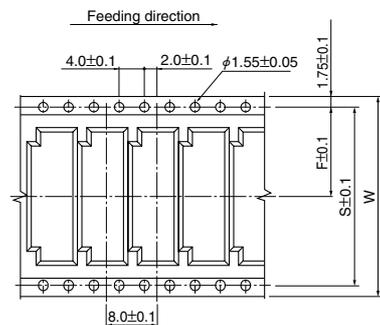


(21 circuits)

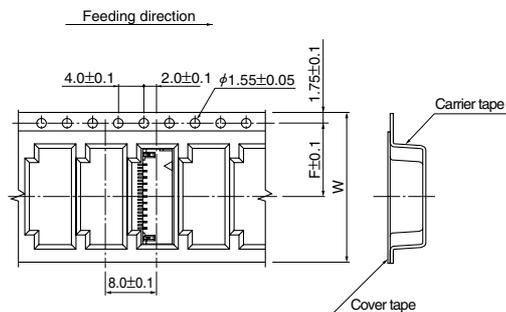


Side entry type

(31 circuits)



(21 circuits)



Circuits	Dimensions (mm)						Reel dimensions (mm)		Q'ty / reel	
	F		S		W		W1		Q'ty / reel	
	Top entry type	Side entry type	Top entry type	Side entry type	Top entry type	Side entry type	Top entry type	Side entry type	Top entry type	Side entry type
21	11.5	11.5	—	—	24.0	24.0	25.5	25.5	1,500	2,000
31	14.2	14.2	28.4	28.4	32.0	32.0	33.5	33.5	1,500	2,000

Note: 1. Specifications conform to JIS C 0806. The tape width, connector loading recess square hole dimensions, etc. are determined by the number of circuits and external shape of the connector to be loaded.

2. Specifications are subject to change without prior notice.