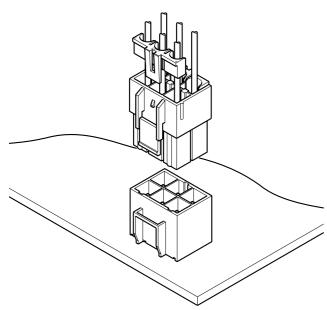


6.2mm pitch/Disconnectable Crimp style connectors (Combined use for both wire-to-board and wire-to-wire connections)



This VL connector is 6.2 mm pitch wire-towire and wire-to-board connector, designed for large current. Secondary retainer, which prevents from insufficient insertion of contact and coming off contact, may use and large current circuit can be connected certainly and safety.

- Housing lances
- Retainer
- Suited for large current
- Compatible for both wire-to-wire and wire-toboard connections

Specifications -

• Current rating: 20 A AC, DC (Refer to the following table.)

• Voltage rating: 600 V AC, DC

• Temperature range: -25°C to +90°C

(including temperature rise in applying

electrical current)

 \bullet Contact resistance: Initial value/ 7 m $\!\Omega$ max.

After environmental tests/ 10 m Ω max.

• Insulation resistance: 1,000 M Ω min.

• Withstanding voltage: 2,000 VAC/minute

• Applicable wire: AWG #22 to #12

• Applicable PC board thickness: 1.6 mm

- * In using the products, refer to "Handling Precaution for Terminal and Connector" described on our website (Technical documents of Product information page).
- * Contact JST for details.
- * RoHS2 compliance

Note: The current rating differs depending on the number of circuits and the wire size used in each connector. The table below lists the current rating as a function of the number of circuits and the wire size.

Current unit: A

						Ourrount arms. 7 t
No. of	Wire size (AWG)					
circuits	#12	#14	#16	#18	# 20	# 22
2	20	15	10	8	6	4
3	17	14	9	8	6	4
4	16	13	9	7	6	4
6	15	12	8	7	5	3
8	14	11	7	6	5	3
12	13	10	7	6	4	3

Note: Do not branch in parallel current which exceeds the rated current (e.g. more than 17A in the case of 3 circuits with AWG #12). If branched in parallel, current imbalance or other problems may develop. If it is absolutely necessary to branch such a large current in parallel, design the circuits without causing any imbalance and provide an extra margin for each circuit.

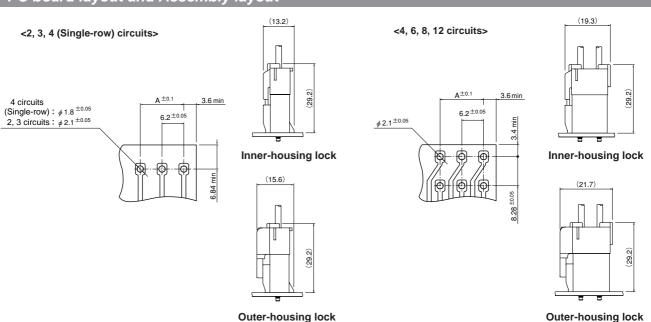
Standards

Recognized E60389

Certified LR20812

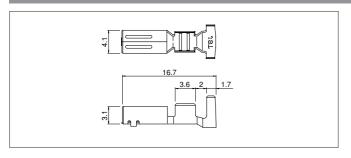
△ R9351103

PC board layout and Assembly layout



- Note: 1. The above figure is the figure viewed from soldering side.
 - 2. Tolerances are non-cumulative: ±0.05 mm for all centers.
 - 3. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

Contact



Contact	Crimping				
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies	
SVF-42T-P2.0	- AP-K2N	MKS-L	MK/SVF/M-42-20	APLMK SVF/M42-20	
3VF-421-P2.0				_	
SVF-61T-P2.0		MKS-L	MK/SVF/M-61-20	APLMK SVF/M61-20	
				_	

Model No.	Applicab	le wire	Insulation O.D.	Q'ty/
Wodel No.	mm²	AWG #	(mm)	reel
SVF-42T-P2.0	0.3~1.25	22~16	1.7~3.2	2,000
SVF-61T-P2.0	0.5~2.0	20~14	1.9~3.4	2,000
SVF-81T-P2.0	3.5	12	4.1	2,000

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS2 compliance

Contact	Crimping		Applicator		
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies	
SVF-81T-P2.0	AP-K2N	MKS-L	MK/SVF/M-81-20	APLMK SVF/M81-20	
				_	

<8 circuits>

6.2

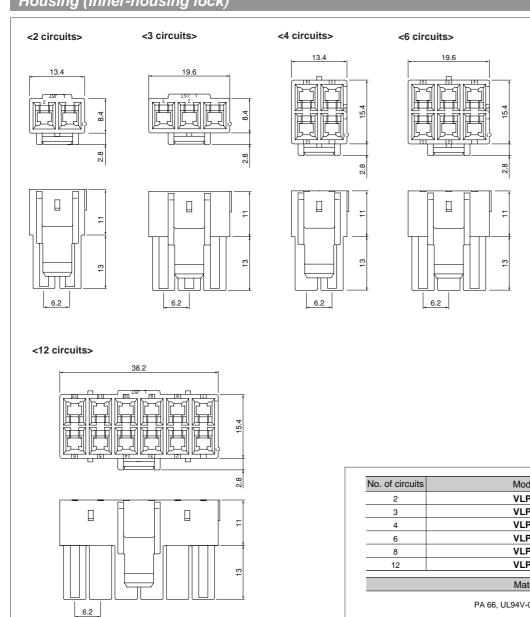
15.4

2.8

Ξ

Note: Contact JST for fully automatic crimping applicator.

Housing (Inner-housing lock)



No. of circuits	Model No.	Q'ty/bag	
2	VLP-02V	500	
3	VLP-03V	500	
4	VLP-04V	500	
6	VLP-06V	500	
8	VLP-08V	200	
12	VLP-12V	100	
Material			

PA 66, UL94V-0, natural (white)

RoHS2 compliance
Note: Contact JST for Glow Wire compliant connectors.

Housing (Outer-housing lock)



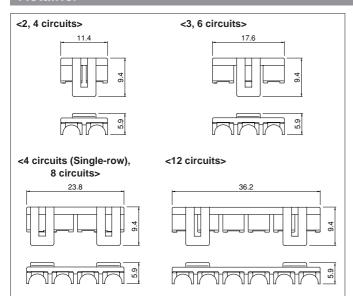
No. of circuits	Model No.	Q'ty/bag
2	VLP-02V-1	500
3	VLP-03V-1	500
4	VLP-04V-1	500
4 (Single-row)	VLP-04VN-1	500
6	VLP-06V-1	500
8	VLP-08V-1	500
12	VLP-12V-1	500
	Material	

PA 66, UL94V-0, natural (white)

RoHS 2compliance

Note: Contact JST for Glow Wire compliant connectors.

Retainer



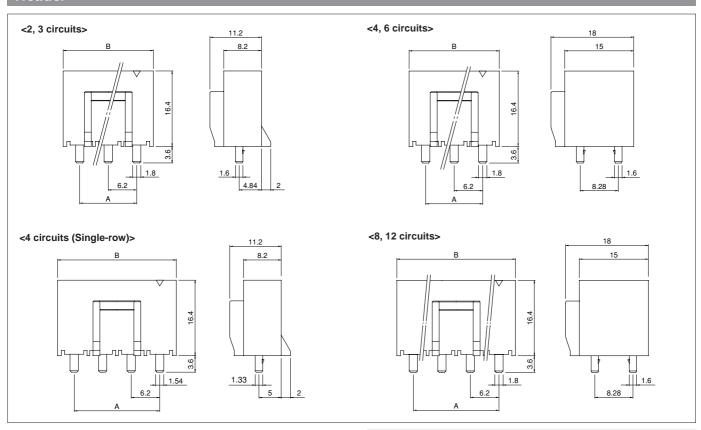
No. of circuits	Model No.	Q'ty/bag
2, 4	VLS-02V	1,000
3, 6	VLS-03V	1,000
4 (Single-row), 8	VLS-08V	1,000
12	VLS-12V	1,000

Material

Glass-filled PA 66, UL94V-0, natural (ivory)

RoHS2 compliance

Header

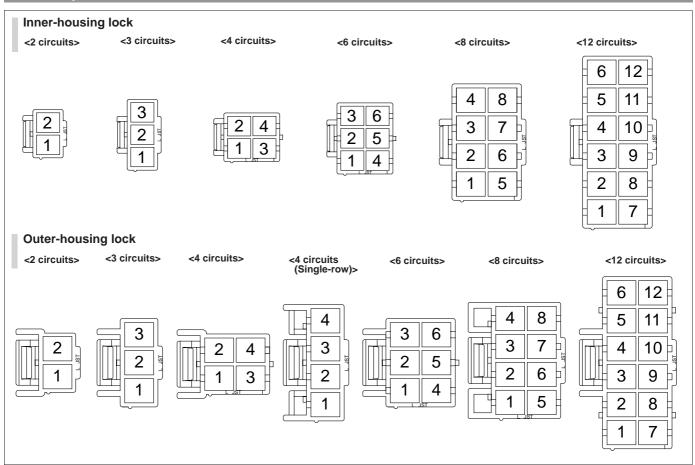


No. of circuits	Model No.	Dimensio	Q'ty/	
No. of circuits	Widdel No.	Α	В	box
2	B02P-VL	6.2	13.4	100
3	B03P-VL	12.4	19.6	100
4	B04P-VL	6.2	13.4	100
4 (Single-row)	B04P-VL-VN-1.8	18.6	26.2	100
6	B06P-VL	12.4	19.6	50
8	B08P-VL	18.6	26.2	50
12	B12P-VL	31.0	38.6	35

Material and Finish
Post: Copper-alloy, tin-plated (reflow treatment)
Wafer: PA 66, UL94V-0, natural (white)

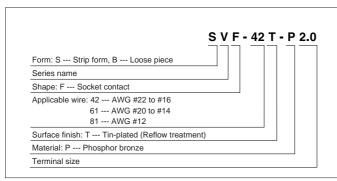
Note: Contact JST for Glow Wire compliant connectors.

Contact position location numbers

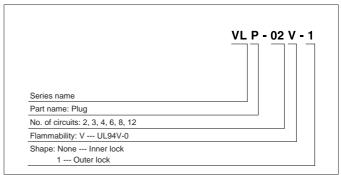


Model number identification

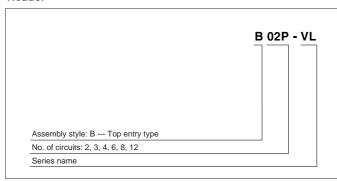
Connector



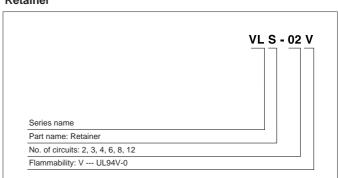
Housing



Header



Retainer



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