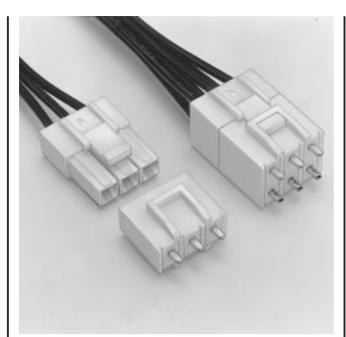
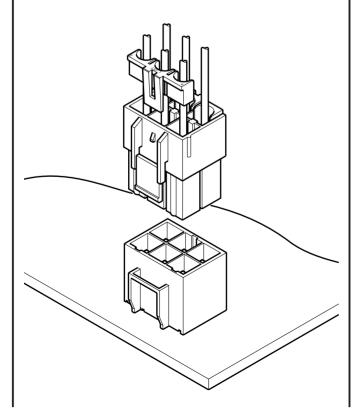


Disconnectable Crimp style connectors



This 6.2mm (.244") pitch wire-to-board connector is designed for circuits with high power requirements.



Features -

• Housing lances for contact retention

Since the contact retention lances are part of the housing rather than protruding from the contact, they cannot be damaged by handling. They allow the contact to be easily inserted and securely locked into the housing.

Secondary retainer

The secondary retainer is optionally available This retainer ensures that the contacts are fully seated and locked in the housing and prevents their accidental release. Installed after the contacts are inserted, the secondary retainer locks and secures the contacts.

• Suited for circuits with high power requirements Since these contacts have large cross-sectional areas and high contact pressure, they can accommodate circuits requiring high power.

Inter-housing lock

The inter-housing lock secures the plug to the receptacle and prevents accidental disconnection. The lock is protected and is not affected by external forces that might result from the routing of wires during assembly.

Two kinds of connections

The VL connectors can be used for wire-to-wire or wire-to-board connections.

Specifications –

- Current rating: 20.0A AC, DC
- Voltage rating: 600V AC, DC
- Temperature range: -25°C to +90°C

(including temperature rise in applying electrical current)

• Contact resistance: Initial value/7mΩ max.

After environmental testing/10m Ω max.

- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,500V AC/minute
- Applicable wire: AWG #20 to #12
- Applicable PC board thickness: 1.6mm(.063")
- * Contact JST for details.

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

1	Circuito	Wire size(AWG)					
	Circuits	#12	#14	#16	#18	#20	
	*2(3)	20	15	10	8	6	
	3	17	14	9	8	6	
	4	16	13	9	7	6	
	6	15	12	8	7	5	

Note:

Do not branch in parallel current which exceeds the rated current (eg. 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.

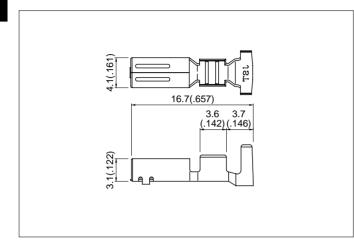
Standards ·

Recognized file No. E60389

- œ Certified file No. LR20812
- File No. R9351103(conforms to DIN/VDE 0627)



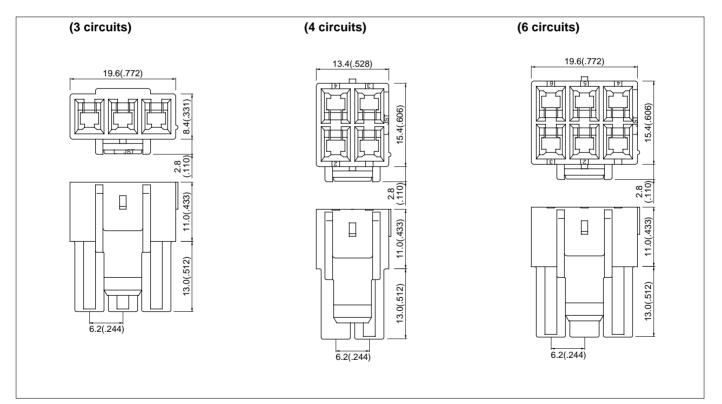
Contact -



	Applicable wire						
Model No.	mm²	AWG #	Insulation O.D. mm(in.)	Q'ty / reel			
SVF-42T-P2.0	0.3 to 1.25	22 to 16	1.7 to 3.2(.067 to .126)	2,000			
SVF-61T-P2.0	0.5 to 2.0	20 to 14	1.9 to 3.4(.075 to .134)	2,000			
SVF-81T-P2.0	3.5	12	4.1(.161)	2,000			
Material and Finish							
Phosphor bronze, Tin-plated							

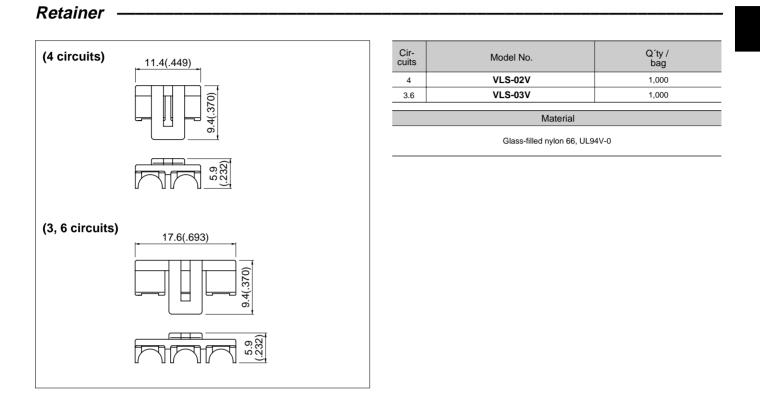
Note: SVF-42T-P2.0 is not TÜV approved.

Housing

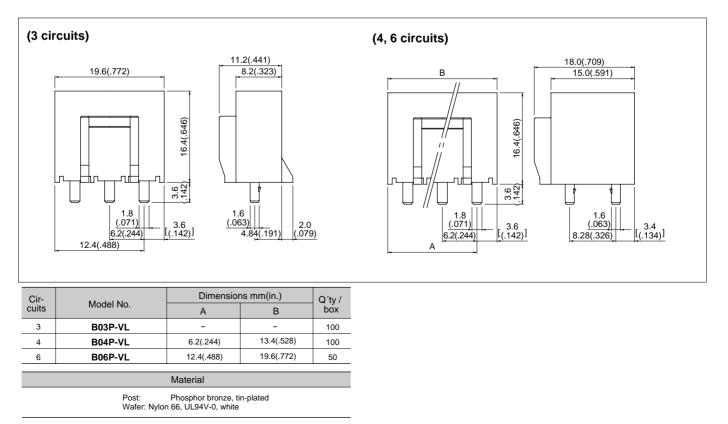


Cir- cuits	Model No.	Q´ty / bag			
3	VLP-03V	500			
4	VLP-04V	500			
6	VLP-06V	500			
Material					

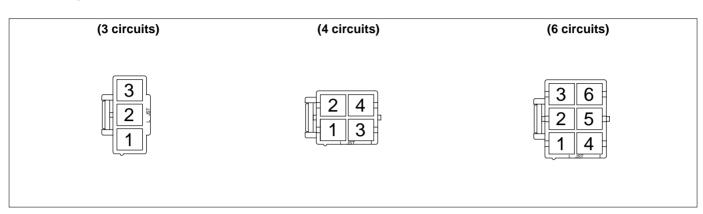
Nylon 66, UL94V-0, white



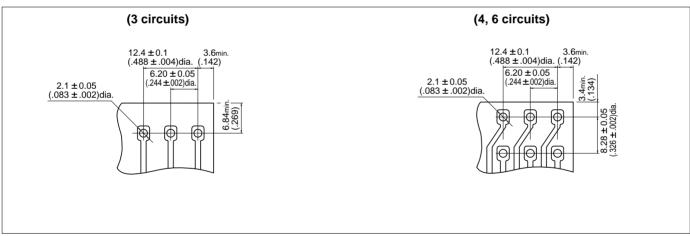
Shrouded header



Contact position location numbers -



PC board layout (viewed from soldering side)



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.

Assembly layout -

