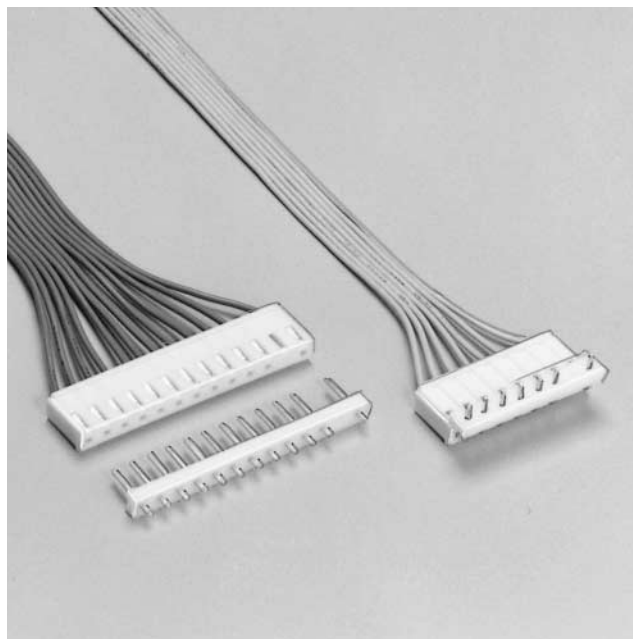
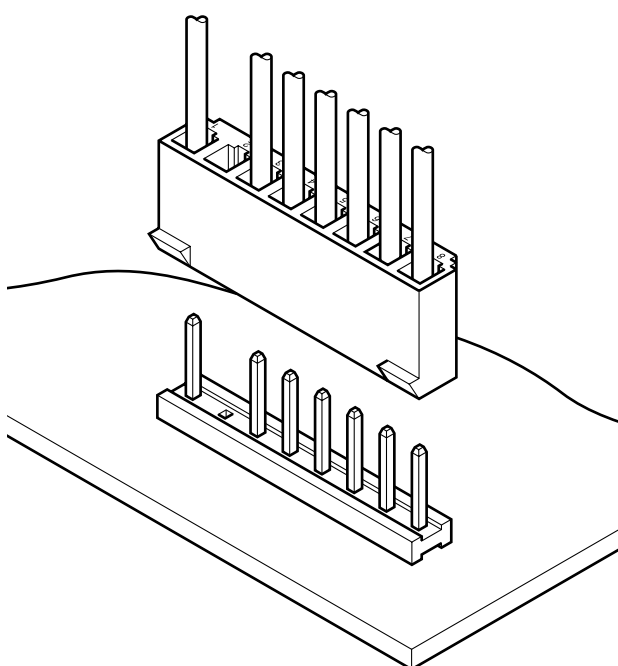


VB CONNECTOR

Disconnectable Crimp style connectors



This large current carrying capacity connector for printed circuit boards can be used with primary power supply circuits of consumer electronic products and various other circuits requiring large currents.



Features

• Proven box-shaped contact

This connector was designed and developed for use in the power supply circuits utilizing the contacts so successfully used in the VH connector.

Specifications

- Current rating: 7 A AC, DC (AWG #18)
- Voltage rating: 250 V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 1,500 VAC/minute
- Applicable wire: AWG #22 to #18
- Applicable PC board thickness: 1.6 mm

Note:

Do not branch in parallel current which exceeds the rated current. 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 imbalance and provide an extra margin for each circuit.

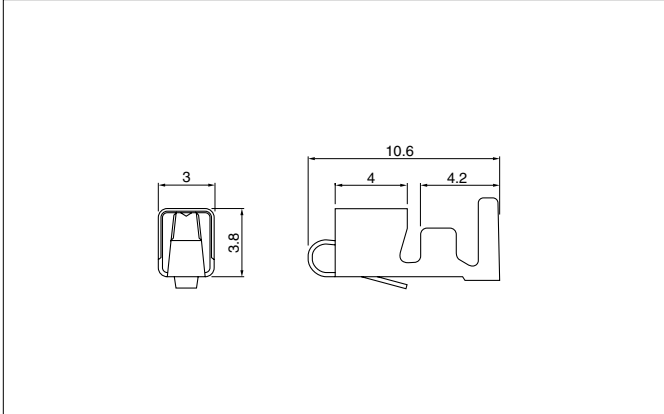
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.
- * Compliant with RoHS.

Standards

Recognized E60389

Certified LR20812

Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/ reel
	mm ²	AWG#		
SVH-21T-P1.1	0.33 to 0.83	22 to 18	1.7 to 3.0	4,500

Material and Finish

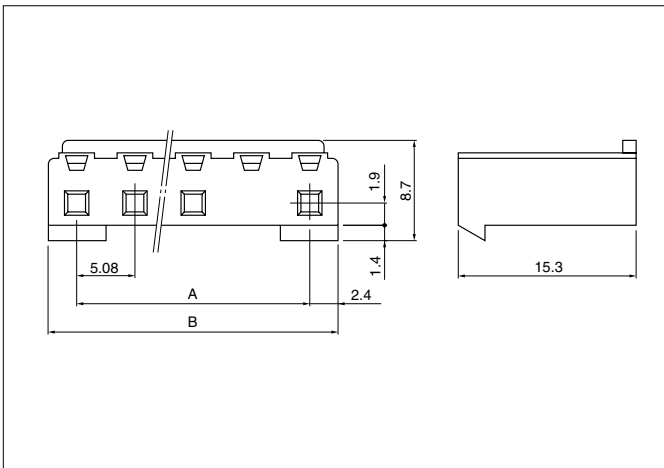
Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SVH-21T-P1.1	AP-K2N	MKS-L	MK/SVH-21-11	APLMK SVH21-11
		*MKS-SC	SC/SVH-21-11	APLSC SVH21-11

Note: *Strip-crimp applicator

Housing



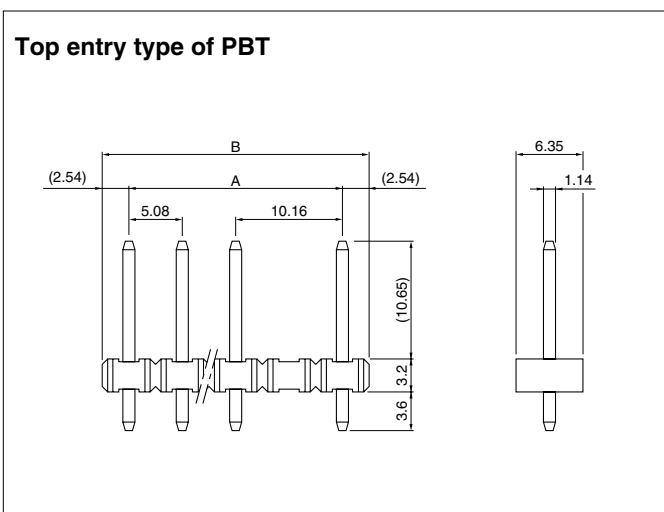
Circuits	Model No.	Dimensions (mm)		Q'ty/ bag
		A	B	
2	VBR- 2	5.08	9.88	1,000
2	VBR- 2(3)	10.16	14.96	1,000
3	VBR- 3	10.16	14.96	1,000
3	VBR- 3(4)	15.24	20.04	1,000
4	VBR- 4	15.24	20.04	1,000
4	VBR- 4(5)	20.32	25.12	1,000
5	VBR- 5(6)	25.40	30.20	500
6	VBR- 6(7)	30.48	35.28	500
7	VBR- 7(8)	35.56	40.36	500
8	VBR- 8(9)	40.64	45.44	500
9	VBR- 9(10)	45.72	50.52	500
12	VBR-12(13)	60.96	65.76	200

Material

PA 6, UL94V-0, natural (white)

RoHS compliance

Header



Circuits	Model No.	Dimensions (mm)		Q'ty/ box
		A	B	
2	B 2P -VB-2	5.08	10.16	1,000
2	B 2P 3-VB-2	10.16	15.24	500
3	B 3P -VB-2	10.16	15.24	500
3	B 3P 4-VB-2	15.24	20.32	500
4	B 4P -VB-2	15.24	20.32	500
4	B 4P 5-VB-2	20.32	25.40	250
5	B 5P 6-VB-2	25.40	30.48	250
6	B 6P 7-VB-2	30.48	35.56	200
7	B 7P 8-VB-2	35.56	40.64	200
8	B 8P 9-VB-2	40.64	45.72	200
9	B 9P10-VB-2	45.72	50.80	100
12	B12P13-VB-2	60.96	66.04	100

Material and Finish

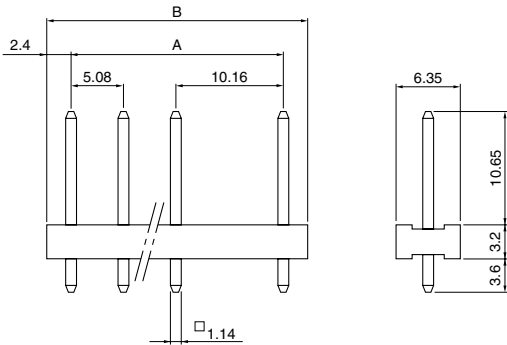
Post: Brass copper-undercoated, tin-plated (reflow treatment)
Wafer: PBT, UL94V-0, natural (white)

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

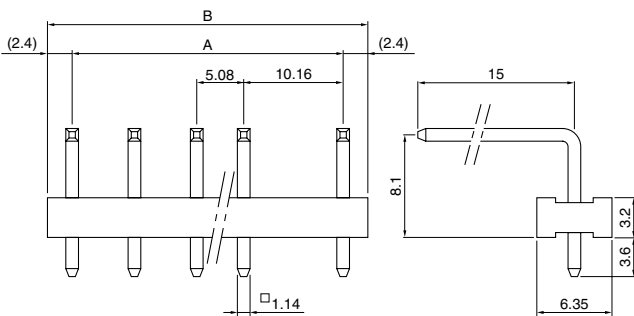
VB CONNECTOR

Header

Top entry type of PA



Side entry type of PA



Circuits	Model No.	Dimensions (mm)		Q'ty/box
		A	B	
2	B 2P -VB-2	5.08	10.16	1,000
2	B 2P 3-VB-2	10.16	15.24	500
3	B 3P -VB-2	10.16	15.24	500
3	B 3P 4-VB-2	15.24	20.32	500
4	B 4P -VB-2	15.24	20.32	500
4	B 4P 5-VB-2	20.32	25.40	250
5	B 5P 6-VB-2	25.40	30.48	250
6	B 6P 7-VB-2	30.48	35.56	200
7	B 7P 8-VB-2	35.56	40.64	200
8	B 8P 9-VB-2	40.64	45.72	200
9	B 9P10-VB-2	45.72	50.80	100
12	B12P13-VB-2	60.96	66.04	100

Material and Finish

Post: Brass copper-undercoated, tin-plated (reflow treatment)
Wafer: PBT, UL94V-0, natural (white)

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

Circuits	Model No.		Dimensions (mm)		Q'ty/box	
	Top entry type	Side entry type	A	B	Top entry type	Side entry type
2	B 2P -VB	B 2P S-VB	5.08	9.88	1,000	1,000
2	B 2P 3-VB	—	10.16	14.96	500	—
3	B 3P 4-VB	B 3P 4S-VB	15.24	20.04	500	250
4	B 4P 5-VB	B 4P 5S-VB	20.32	25.12	250	200
5	B 5P 6-VB	B 5P 6S-VB	25.40	30.20	250	200
6	B 6P 7-VB	B 6P 7S-VB	30.48	35.28	200	100
7	B 7P 8-VB	B 7P 8S-VB	35.56	40.36	200	100
8	B 8P 9-VB	B 8P 9S-VB	40.64	45.44	200	100
9	B 9P10-VB	B 9P10S-VB	45.72	50.52	100	100
12	B12P13-VB	B12P13S-VB	60.96	65.76	100	100

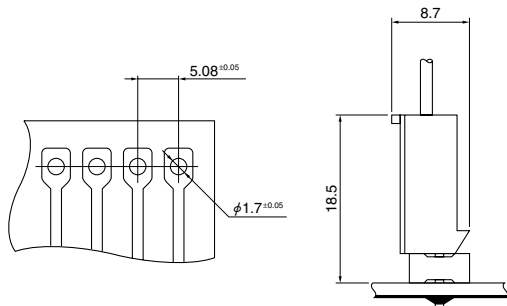
Material and Finish

Post: Brass, copper-undercoated, tin-plated (reflow treatment)
Wafer: PA 66, UL94V-0, natural (white)

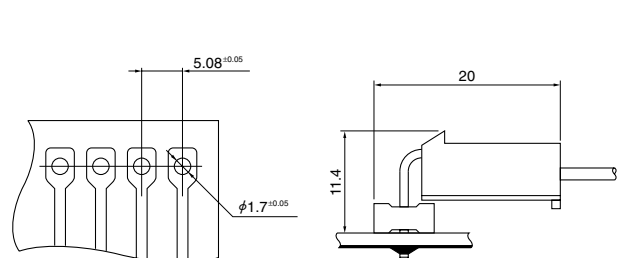
RoHS compliance This product displays (LF)(SN) on a label.

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

Top entry type



Side entry type



Note:
1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
2. 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.