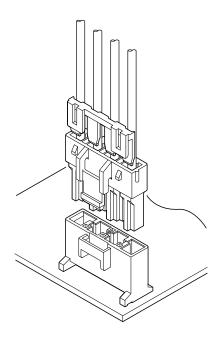


VYH CONNECTOR

6.5 mm pitch/Disconnectable Crimp style connectors



This VYH connector is designed for wire-toboard 6.5 mm pitch connector corresponding to large current. Retainer, which prevents from insufficient insertion of contact and coming off contact, may use and large current circuit can be connected certainly and safely.

- Large current capability
- Misinsertion prevention
- Housing lance for contact retention
- Retainer

Specifications -

• Current rating: 15 A AC/DC (2 circuits/ AWG #14)

Voltage rating: 300 V AC/DC

Temperature range: -25℃ to +85℃

(including temperature rise in applying

electrical current)

• Contact resistance: Initial value/ $10 \text{ m}\Omega$ max.

After environmental tests/ 20 m Ω max.

• Insulation resistance: 1,000 M Ω min.

• Withstanding voltage: 1,500 VAC/minute

• Applicable wire: AWG #26 to #14

• Applicable PC board thickness: 1.6 mm

** The following table shows the rated current when applying current for all circuits in each combination of the number of circuits and the wire to be used.

							Unit:A
No. of circuits	Wire size (AWG)						
NO. OF CITCUITS	#14	#16	#18	#20	#22	#24	#26
2	15	10	7	5	4	3	2
3	14	9	6	4	4	3	2
4	13	9	6	4	4	3	2
6	12	8	5	3	3	2	2

Notes on parallel branching current:

Do not branch to the multiple circuits in parallel current which is exceeds the rated current, as it may cause problems such as imbalance when applying current.

If it is unavoidable that branch in parallel is necessary, design the circuits while suppressing the unbalanced current and proving the sufficient margin to the rated current.

- * 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 -

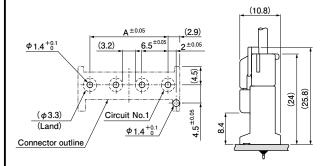
Recognized E60389

Certified LR70035705

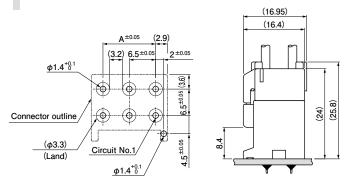
△ R50036139

PC board layout and Assembly layout

Single-row type



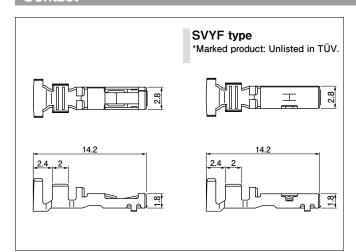
Dual-row type



- Note: 1. The above figure is the figure viewed from the connector mounting side .
 - 2. Tolerances are non-cumulative: \pm 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 guideline. Contact JST for details.

VYH CONNECTOR

Contact



Model No.	Applica	ble wire	Insulation O.D.	Q'ty/ reel	
Model No.	mm²	AWG#	(mm)		
SYF-01T-P0.5A	0.13 to 0.5	26 to 20	1.3 to 2.5	4,000	
SYF-41T-P0.5A	0.5 to 1.25	20 to 16	2.0 to 3.4	4,000	
SYF-61T-P0.5A	0.75 to 2.0	18 to 14	2.1 to 3.4	2,000	
*SVYF-41T-P0.5A-13.5	0.5 to 1.25	20 to 16	2.0 to 3.4	3,000	
*SVYF-61T-P0.5A	0.75 to 2.0	18 to 14	2.1 to 3.6	2,000	

Material and Finish

Copper alloy, tin-plated (reflow treatment)

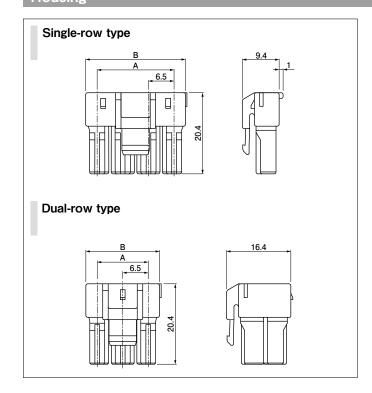
RoHS2 compliance

- Note: 1. SVYF type contact was developed only for VYH connector in order to improve the prevention of prying.
 - Retainer cannot be used when using 41 type contact AWG#16 and 61 type contact.

	Crimping	アプリケータ				
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies		
SYF-01T-P0.5A		MKS-L	MK/SYF/M-01-05	APLMK SYF/M01-05		
SYF-41T-P0.5A			MK/SYF/M-41-05	APLMK SYF/M41-05		
SYF-61T-P0.5A	AP-K2N		MK/SYF/M-61-05	APLMK SYF/M61-05		
SVYF-41T-P0.5A-13.5			MK/SVYF-41-05-13.5	APLMK SVYF41-05-13.5		
SVYF-61T-P0.5A			MK/SYF/M-61-05	APLMK SYF/M61-05		

Note: Contact JST for fully automatic crimping applicator.

Housing



Туре	No. of	- Model No	Dimensio	Q'ty/	
	circuits		Α	В	bag
Single-row type	2	VYHP-02V	6.5	12.3	400
	3	VYHP-03V	13.0	18.8	300
	4	VYHP-04V	19.5	25.3	200
Dual-row type	4	VYHP-04VD	6.5	12.3	200
	6	VYHP-06VD	13.0	18.8	150

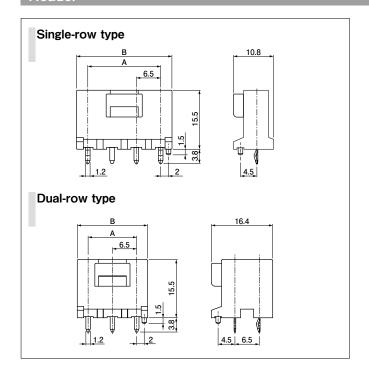
Material and Finish

PA 66, UL94V-0, natural (white)

RoHS2 compliance

VYH CONNECTOR

Header



Type	No. of Model No.	Dimensio	Q'ty/		
Турс	circuits	Wiodel No.	Α	В	box
Single-row type	2	B02B-VYHSK-1	6.5	12.3	600
	3	B03B-VYHSK-1	13.0	18.8	360
	4	B04B-VYHSK-1	19.5	25.3	300
Dual-row type	4	B04B-VYHSK-D-1	6.5	12.3	300
	6	B06B-VYHSK-D-1	13.0	18.8	180

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PBT, UL94V-0, natural (white)

RoHS2 compliance This product displays (LF)(SN) on a label.

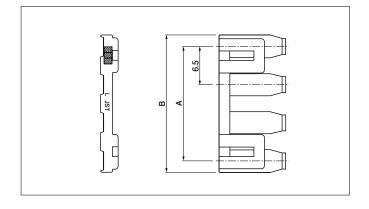
Type	No. of	No. of Model No.	Dimensio	Q'ty/	
Туре	circuits	Wiodel 140.	Α	В	box
Single-row type	2	B02B-VYHSK-M-1	6.5	12.3	600
	3	B03B-VYHSK-M-1	13.0	18.8	360
	4	B04B-VYHSK-M-1	19.5	25.3	300
Dual-row type	4	B04B-VYHSK-DM-1	6.5	12.3	300
	6	B06B-VYHSK-DM-1	13.0	18.8	180

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PA 66, UL94V-0, natural (ivory)

RoHS2 compliance This product displays (LF)(SN) on a label.

Retainer



No. of	Model No.	Dimensio	Q'ty/	
circuits	WIOGEI NO.	Α	В	bag
2	VYHS-02V-S	6.5	10.3	4,000
3	VYHS-03V-S	13.0	16.8	3,000
4	VYHS-04V-S	19.5	23.3	2.000

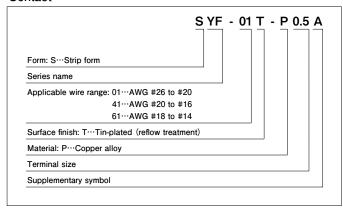
Material and Finish

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

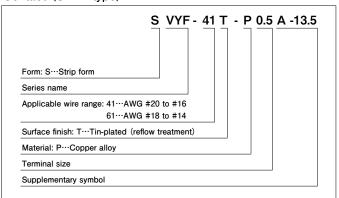
RoHS2 compliance
Note: Unlisted in TÜV.

Model number allocation

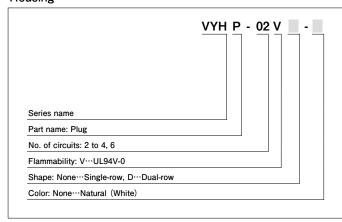
Contact



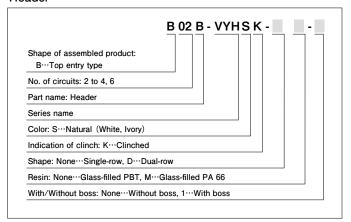
Contact (SVYF type)



Housing



Header



Retainer

