



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



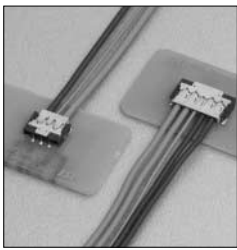
## Contact us

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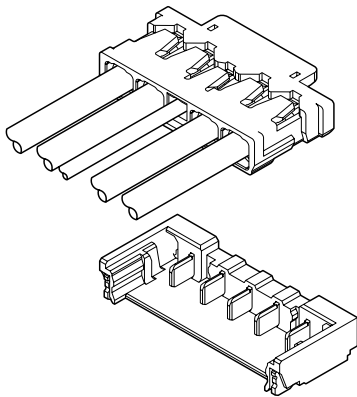
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# AUH CONNECTOR

Disconnectable Crimp style connectors



**This AUH connector is compact and low profile type, height 1.85mm and width 5.2mm, wire-to-board connector. And also 5A in rating current was realized.**

- Space saving
- Top entry but side feed type
- Combination of power supply and signal circuits
  - 3 circuits; Power supply 2 circuits + Signal single circuit
  - 5 circuits; Power supply 4 circuits + Signal single circuit
- Connector for DC power supply (5A)

## Specifications

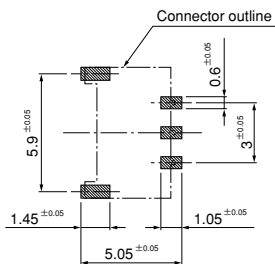
- Current rating: Signal circuit/ 1 A AC, DC  
Power supply circuit/ 5 A AC, DC (AWG #22)
  - Voltage rating: 30 V AC, DC
  - Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/ 10 mΩ max.  
After environmental tests/ 20 mΩ max.
  - Insulation resistance: 100 MΩ min.
  - Withstanding voltage: 200 VAC/ minute
  - Applicable wire:
    - Signal circuit; Conductor size/ AWG #30 to #28  
Insulation O.D./ 0.5 to 0.63 mm
    - Power supply circuit; Conductor size/ AWG #26 to #22  
(Recommend UL3619 for AWG #22)  
Insulation O.D./ 0.98 to 1.16 mm
- \* 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

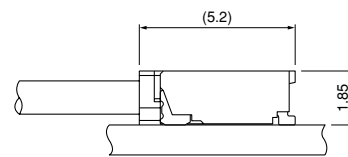
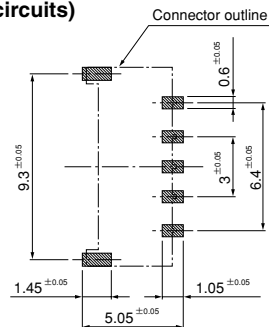
Recognized E60389

## PC board layout and Assembly layout

(3 circuits)



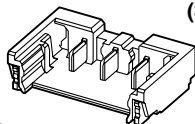
(5 circuits)



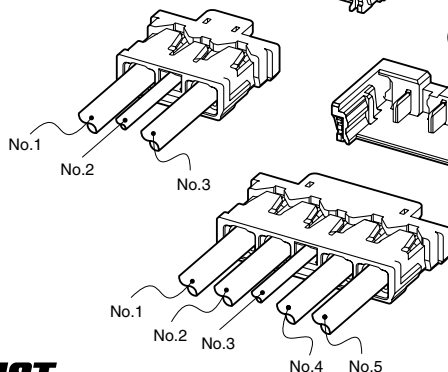
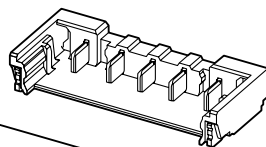
Note: 1. The above figure is the figure viewed from the connector mounting side.  
2. Tolerances are non-cumulative: ±0.05 mm for all centers. The dimensions above should serve as a guideline. Contact JST for details.

## Table of current rating combinations

(3 circuits)



(5 circuits)



Current unit: A

Circuits	Power supply contact Wire to be used	Circuits No.		
		No.1	No.2	No.3
3	AWG #22	5	1	5
	AWG #24	4	1	4
	AWG #26	3.5	1	3.5

■ : Signal contact AWG #30~#28

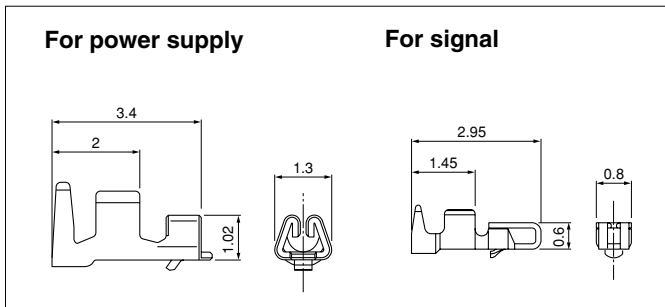
Current unit: A

Circuits	Power supply contact Wire to be used	Circuits No.				
		No.1	No.2	No.3	No.4	No.5
5	AWG #22	5	1	1	1	5
		4	4	1	4	4
	AWG #24	4	1	1	1	4
		3.5	3.5	1	3.5	3.5
	AWG #26	3.5	1	1	1	3.5
		3	3	1	3	3

■ : Signal contact AWG #30~#28

# AUH CONNECTOR

## Contact



	Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/reel
		mm <sup>2</sup>	AWG#		
Power supply	<b>SAUH-001G-M0.2</b>	0.13~0.33	26~22	0.98~1.16	18,000
Signal	<b>SACH-003G-P0.2</b>	0.05~0.08	30~28	0.5 ~0.63	30,000

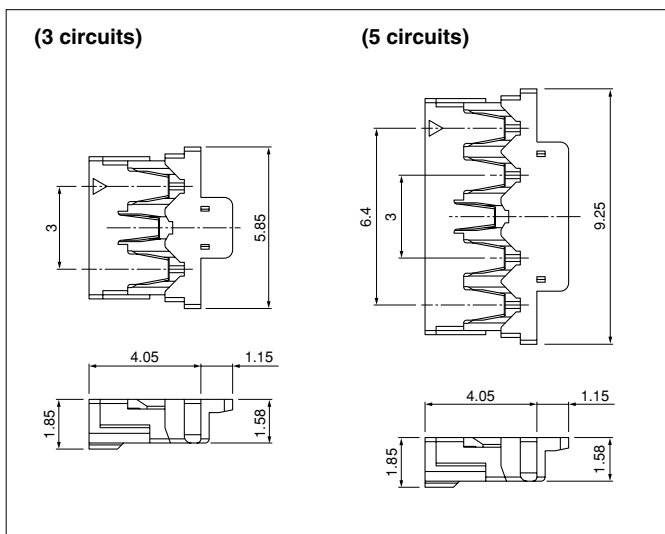
### Material and Finish

Copper alloy, nickel-undercoated, selective gold-plated

**RoHS compliance**

Model No.	Crimping machine	Applicable wire		Insulation O.D. (mm)	Applicator		
		mm <sup>2</sup>	AWG#		Crimp applicator	Dies	Crimp applicator with dies
<b>SAUH-001G-M0.2</b>	AP-K2N	0.13~0.21	26~24	0.98~1.11	MKS-L-10	MK/SAUH-001-02	APLMK SAUH001-02
		0.33	22	0.98~1.16	MKS-L-10	MK/SAUH-001-02-K	APLMK SAUH001-02-K
<b>SACH-003G-P0.2</b>		0.05~0.08	30~28	0.5~0.63	MKS-L-10-3	MK/SACH-003-02	APLMK SACH003-02
					—	—	—

## Housing



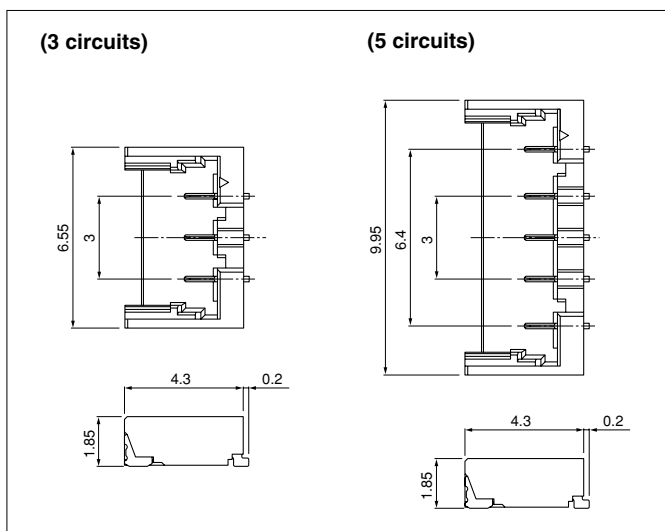
Circuits	Model No.	Q'ty/box
3	<b>AUHR-03V-H</b>	1,000
5	<b>AUHR-05V-H</b>	1,000

### Material

PBT, UL94V-0, gray

**RoHS compliance**

## Shrouded header



Circuits	Model No.	Q'ty/reel
3	<b>BM03B-AUHKS-GA-TB</b>	5,000
5	<b>BM05B-AUHKS-GA-TB</b>	5,000

### Material and Finish

Contact: Copper alloy, nickel-undercoated, gold-plated (nickel-stripe)

Housing: Heat resisting resin, UL94V-0, black

Reinforcing tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

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