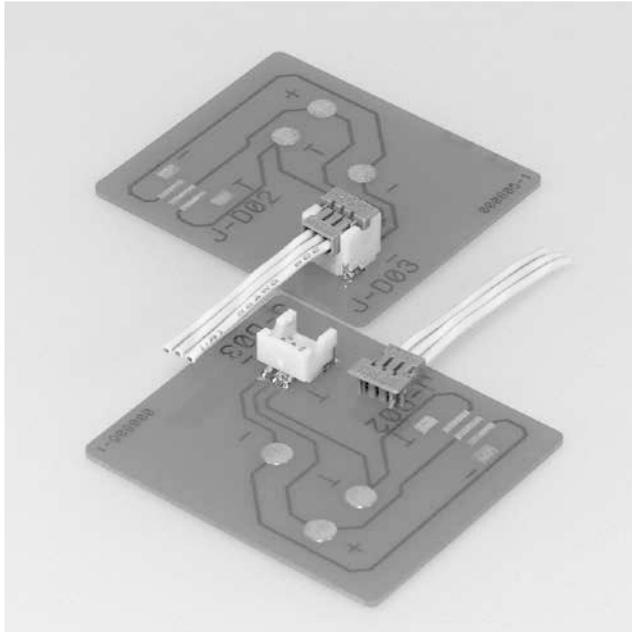


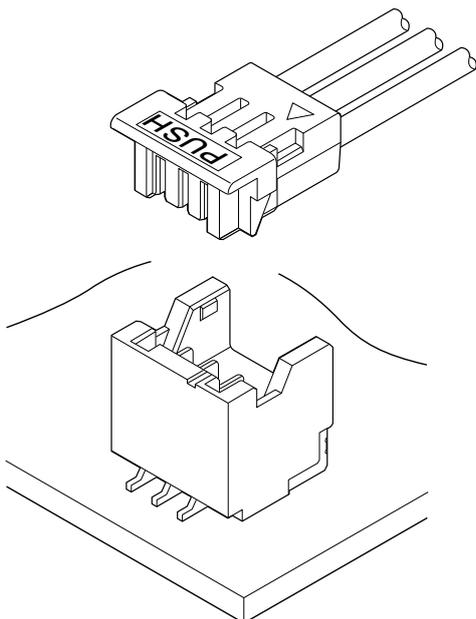
# AGH CONNECTOR



Disconnectable Crimp style connectors



1.25 mm pitch crimp type connector. This connector system has excellent operational advantages due to its top entry style. In addition, with the wires on the side, it is low profile, similar to a side entry style.



## Features

### • Miniaturization

Developed for mobile phone battery connection. The mounting height of 6.1 mm, but can be reduced to 4.4 mm depending on the design at low profile header side.

### • Distortion resistant construction

Because of the unique rib structure of the housing, the connector is resistant to distortion when extracting.

### • Applicable to surface mounting technology

The header has a sufficient area for suction for the use of automatic surface mounting system.

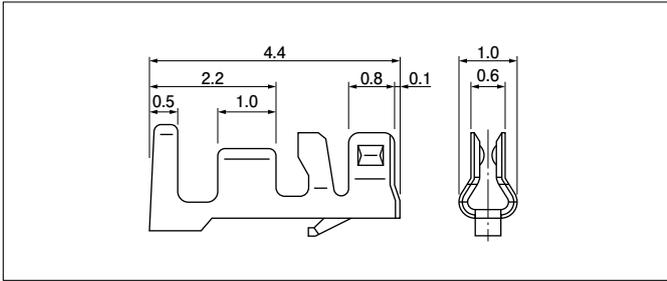
## Specifications

- Current rating: 1.0 A AC/DC (AWG #26)
  - Voltage rating: 50 V AC/DC
  - Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/ 20 mΩ max.  
After environmental tests/ 30 mΩ max.
  - Insulation resistance: 500 MΩ min.
  - Withstanding voltage: 500 VAC/minute
  - Applicable wire: AWG #30 to #26  
Insulation O.D./ 0.7 to 1.0 mm
- \* 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
- J50014042

## Contact



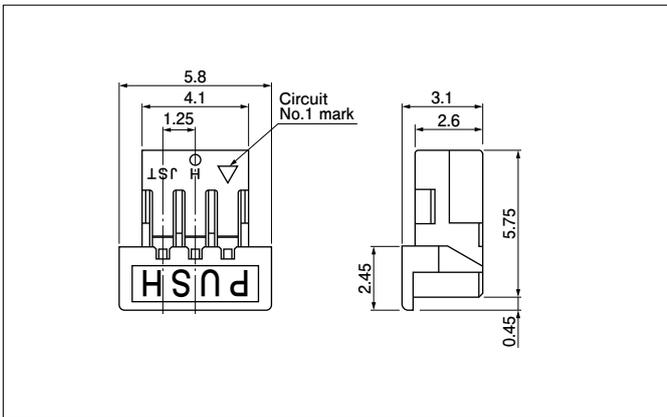
Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/reel
	mm <sup>2</sup>	AWG #		
SAGH-002GU-P0.3	0.05 to 0.13	30 to 26	0.7 to 1.0	20,000

### Material and Finish

Copper alloy, nickel-undercoated, gold-plated

RoHS2 compliance

## Housing



No. of circuits	Model No.	Q'ty/bag
3	AGHR-03V-1-H	5,000

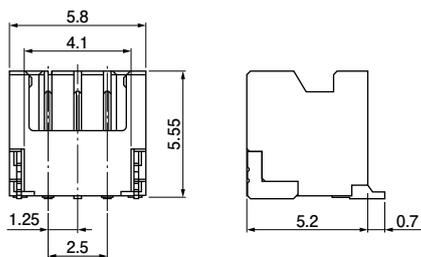
### Material and Finish

PBT, UL94V-0, gray

RoHS2 compliance

## Header

### <5.6 mm type>



### ● 5.6 mm type

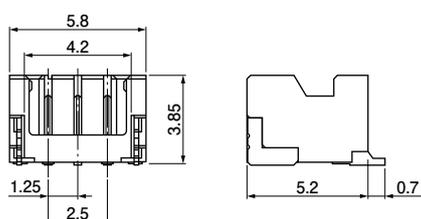
No. of circuits	Model No.	Q'ty/reel
3	BM03B5.6-AGHS-GG-TF	1,000

### Material and Finish

Contact: Copper alloy, nickel-undercoated,  
Mating part: gold-plated  
Solder tail: tin-plated (reflow treatment)  
Housing: Thermoplastic resin, UL94V-0, natural  
Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

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

### <3.9 mm type>



### ● 3.9 mm type

No. of circuits	Model No.	Q'ty/reel
3	BM03B3.9-AGHS-GH-TF	1,250

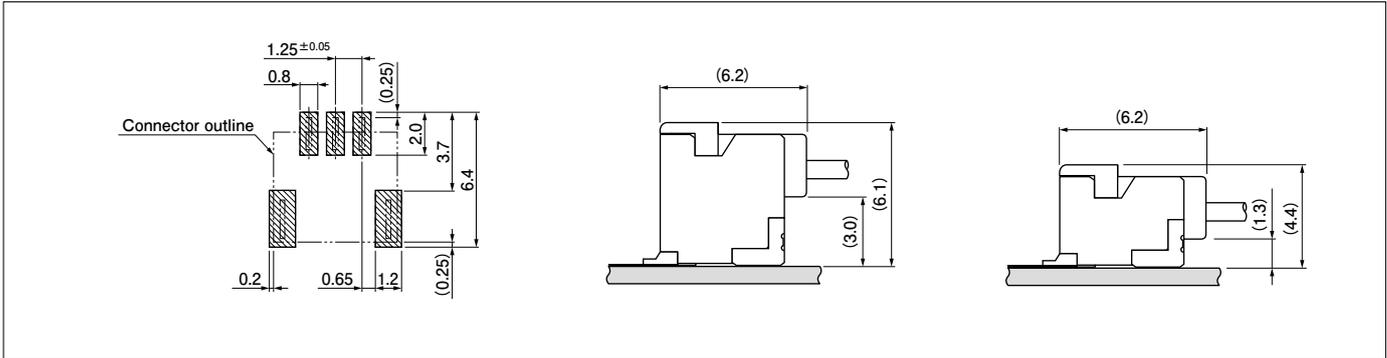
### Material and Finish

Contact: Copper alloy, nickel-undercoated,  
Mating part: gold-plated  
Solder tail: gold-plated  
Housing: Thermoplastic resin, UL94V-0, natural  
Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

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

# AGH CONNECTOR

## PC board layout and Assembly layout



- 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. The dimensions described in the above figure should be given as reference. Contact JST for details.

## Model number allocation

### Contact

**S AGH - 002 GU - P 0.3**

Form: S...Strip form

Series name

Applicable wire range: AWG #30 to AWG #26

Surface finish: GU...Nickel-undercoated gold-plated

Material: P...Copper alloy

Terminal size

### Housing

**AGH R - 03 V - 1 - H**

Series name

Part name: Receptacle

No. of circuits: 3

Flammability: V...UL94V-0

Marking display: 1...Has been marked

Color: H...Gray

### Header

**BM 03 B 5.6 - AGH S-GG-TF**

Shape of assembled product:  
BM...SMT top entry type

No. of circuits: 3

Indication of assembly: B...Assembly product

Height: 5.6 mm type...6.1 mm  
3.9 mm type...4.4 mm

Series name

Color: S...Natural

Surface finish: GG...Nickel-undercoated selective gold-plated  
GH...Nickel-undercoated overall gold-plated

Packaging style: TF...Embossed-taping

## Crimping machine, Applicator

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SAGH-002GU-P0.3	AP-K2N	MKS-L-10-3	MK/SAGH-002-03	APLMK SAGH002-03

Note: Contact JST for fully automatic crimping applicator.