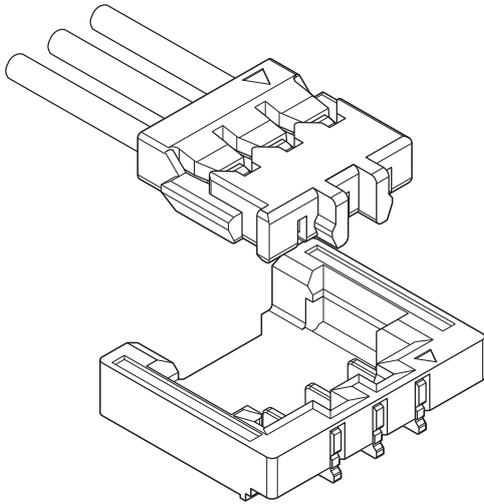


# ACHF CONNECTOR

1.2 mm pitch/Wire-to-Board connectors/Crimp style and Mating style



This ACHF connector is compact and low profile type, height 1.43 mm and width 4.95 mm, 1.2 mm pitch wire-to-board connector.

- High-strength
- Top entry but side feed type
- Connector for power supply  
(Power supply circuit: 2.5 A, Signal circuit: 1.0 A)

## Specifications

- Current rating: 2.5 A AC/DC (AWG #28)  
(Single circuit of 4 and 6 circuits: 1.0 A)

No. of circuits	Circuit No.	Current unit: A					
		1	2	3	4	5	6
3		2.5	2.5	2.5			
4		2.5	1.0	1.0	2.5		
6		2.5	2.5	1.0	1.0	2.5	2.5

- Voltage rating: 50 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/ 20mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage:  
There shall be no breakdown or flashover while applying 500 VAC for one minute.
- Applicable wire range: Conductor size/ AWG #30 to AWG #28  
Insulation O.D./ φ 0.5 mm to φ 0.63 mm

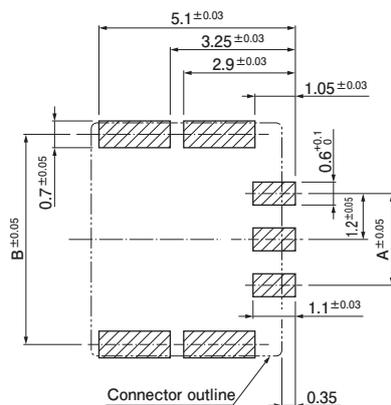
\* Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the "Technical Documents" column on the Product Information page) before use.

- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

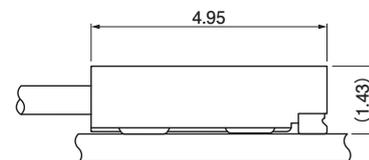
## Standards

Recognized E60389

## PC board layout and Assembly layout



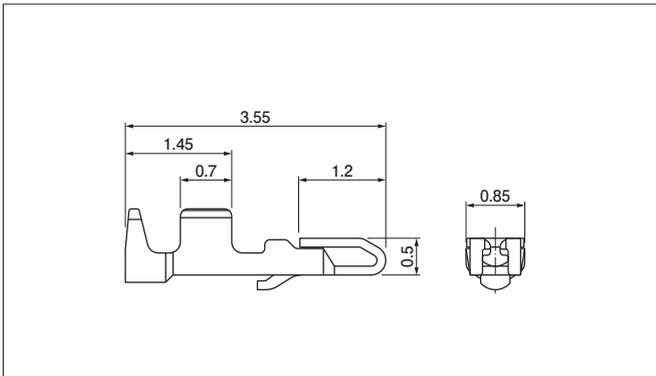
No. of circuits	Dimensions (mm)	
	A	B
3	2.4	5.5
4	3.6	6.7
6	6.0	9.1



- Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.  
2. Tolerance for the PCB pattern pitch shall be ± 0.05 and shall not accumulate.  
The above dimensions are reference values. Please contact JST for details.

# ACHF CONNECTOR

## Contact



Model No.	Applicable wire range		Insulation O.D. (mm)	Q'ty / reel
	mm <sup>2</sup>	AWG#		
SACHF-003GAC-P0.2	0.05 to 0.08	30 to 28	0.5 to 0.63	40,000

### Material and Surface finish, etc.

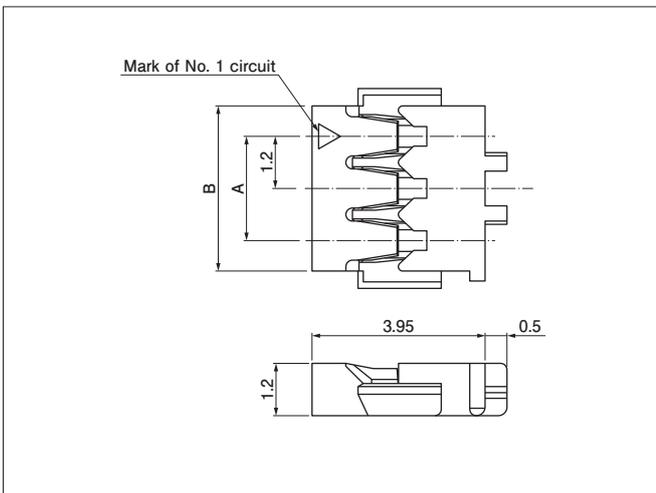
Copper alloy, nickel-undercoated, gold-plated

### Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SACHF-003GAC-P0.2	AP-K2N	MKS-L-10-4	APLMK SACHF003-02

Note: Contact JST for fully automatic crimping applicator.

## Housing

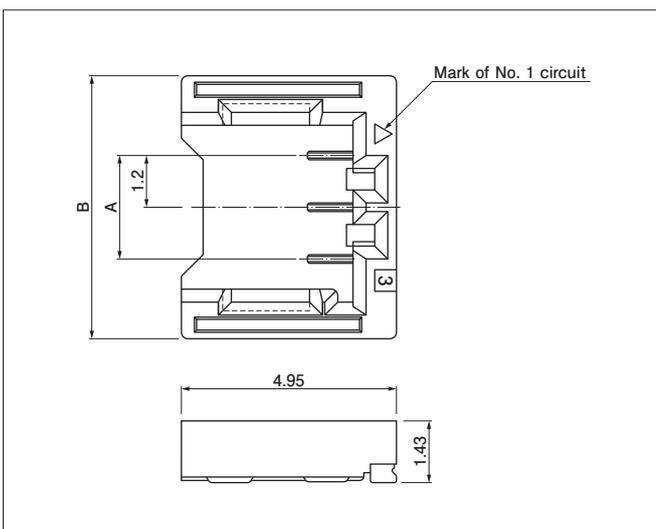


No. of circuits	Model No.	Dimensions (mm)		Q'ty / bag
		A	B	
3	ACHFR-03V-H	2.4	3.8	1,000
4	ACHFR-04V-H	3.6	5.0	1,000
6	ACHFR-06V-H	6.0	7.4	1,000

### Material and Surface finish, etc.

PBT, UL94V-HB, gray

## Header



No. of circuits	Model No.	Dimensions (mm)		Q'ty / reel
		A	B	
3	BM03B-ACHFKS-GACN-ETF	2.4	6.1	6,000
4	BM04B-ACHFKS-GACN-ETF	3.6	7.3	6,000
6	BM06B-ACHFKS-GACN-ETF	6.0	9.7	6,000

### Material and Surface finish, etc.

Contact: Copper alloy, nickel-undercoated, gold-plated (nickel-stripe)  
Housing: Heat resisting resin, UL94V-0, black  
Reinforcement: Copper alloy, copper-undercoated, tin-plated

Note: 1. This product displays (LF)(SN) on a label.  
2. This product is supplied on embossed tape and reel packaging.

# ACHF CONNECTOR

## Model number allocation

### Contact

**S ACHF - 003 GAC - P 0.2**

Form: S··Strip form  
Series name  
Applicable wire range: AWG #30 to AWG #28  
Surface finish: G··Nickel-undercoated gold-plated  
Material: P··Copper alloy  
Terminal size

### Housing

**ACHF R - 03 V - H**

Series name  
Part name: Receptacle  
No. of circuits: 3 to 4, 6  
Flammability: V··UL94V-HB  
Color: H··Gray

### Header

**BM 03 B - ACHF K S - GACN - ETF**

PCB mounting style:  
BM··SMT top entry type  
No. of circuits: 3 to 4, 6  
Part name: Header  
Series name  
Color: K··Black  
Sub model number  
Surface finish: GACN··Nickel-undercoated gold-plated (nickel stripe)  
Packaging style: ETF··Antistatic embossed-taping, TF··Embossed-taping