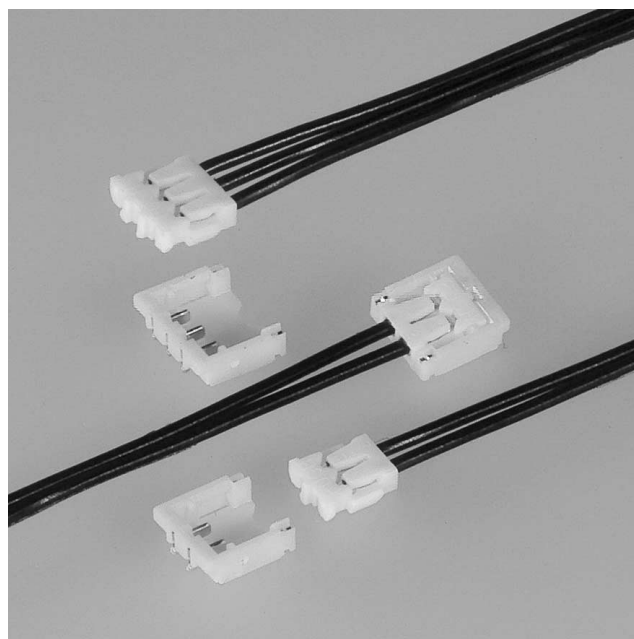
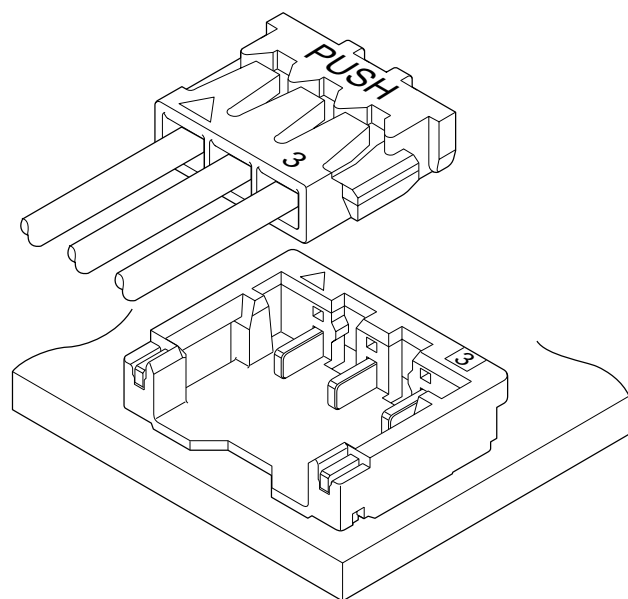


# ACH CONNECTOR

*Disconnectable Crimp style connectors*



***This ACH connector is compact and low profile type, height: 1.4mm (.055") and width 4.3mm (.169"), 1.2mm (.047") pitch wire-to-board connector.***



## Features

### • **Top entry but side feed type**

Wires come out from horizontal direction of connector

a Low profile {height: 1.4mm (.055")}

Socket is mated with header from vertical direction of connector

a Excellent workability

### • **Connector for DC power supply**

In spite of compact and low profile type connector, rated current is 2A for both 2-circuit and 3-circuit with wire size AWG #28.

### • **Corresponding to sucking nozzle of pick and place machine**

A sucking area on bottom of inside header is available.

## Specifications

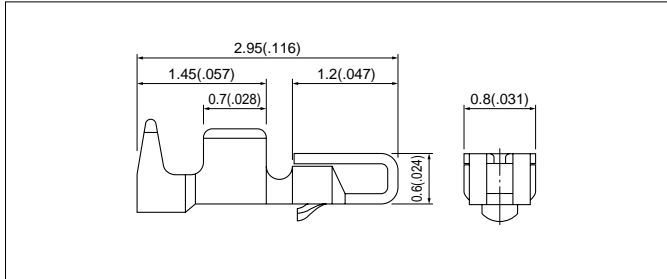
- Current rating: 2A AC, DC (AWG #28)
- Voltage rating: 50V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max.  
After environmental testing/20m Ω max.
- Insulation resistance: 100M Ω min.
- Withstanding voltage: 500V AC/minute
- Applicable wire: AWG #30 to #28  
Insulation O.D./0.5 to 0.63mm (.020" to .025")
- \* Contact JST if Lead-Free product is required.
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.

## Standards

Ⓜ Recognized E60389

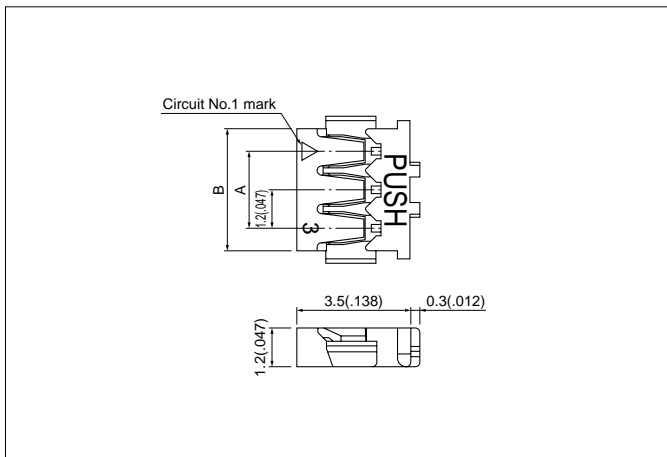
# ACH CONNECTOR

## Contact



Model No.	Applicable wire		Insulation O.D. mm(in.)	Q'ty / reel
	mm <sup>2</sup>	AWG#		
<b>SACH-003G-P0.2</b>	0.05 to 0.08	30 to 28	0.5 to 0.63(.020 to .025)	30,000
<b>Material and Finish</b>				
Copper alloy, nickel-undercoated, gold-plated				

## Housing

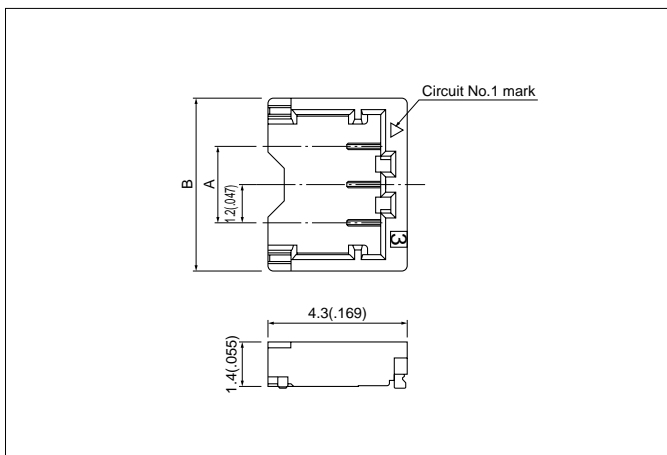


Circuits	Model No.	Dimensions mm(in.)		Q'ty / bag
		A	B	
2	<b>ACHR-02V-S</b>	1.2(.047)	2.6(.102)	1,000
3	<b>ACHR-03V-S</b>	2.4(.094)	3.8(.150)	1,000
<b>Material</b>				
PBT, UL94V-0, natural (white)				

<For reference> As the color identification, the following alphabet shall be put in the underlined part.  
For availability, delivery and minimum order quantity, contact JST.

ex. **ACHR-02V-00**  
S...natural (white)  
K...black

## Shrouded header



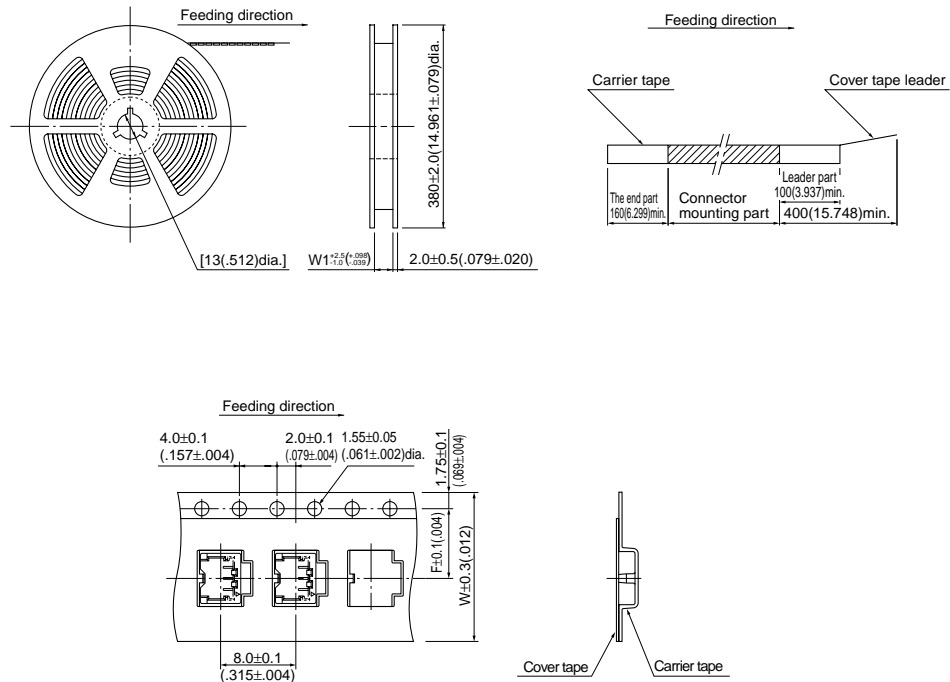
Circuits	Model No.	Q'ty / reel
2	<b>BM02B-ACHSS-GAN-TF</b>	4,500
3	<b>BM03B-ACHSS-GAN-TF</b>	4,500
<b>Material and Finish</b>		
Contact: Copper alloy, nickel-undercoated, gold-plated (nickel-stripe) Housing: Heat resisting resin, UL94V-0, natural (ivory) Solder tab: Copper alloy, copper-undercoated, tin-plated		

<For reference> As the color identification, the following alphabet shall be put in the underlined part.  
For availability, delivery and minimum order quantity, contact JST.

ex. **BM02B-ACHSS-GAN-TF**  
S...natural (ivory)

# ACH CONNECTOR

## Taping specifications

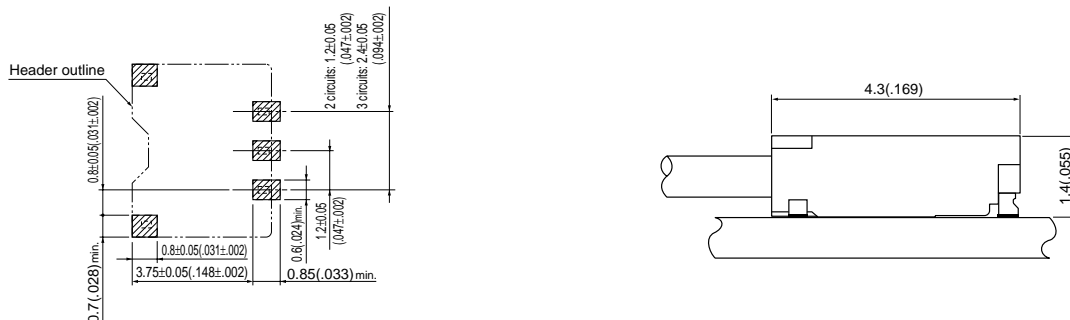


Circuits	Dimensions mm(in.)		Reel dimensions mm(in.)	Q'ty / reel
	F	W	W1	
2	5.5(.217)	12.0(.472)	13.5(.531)	4,500
3	7.5(.295)	16.0(.630)	17.5(.689)	4,500

### Note:

- Specifications conform to JIS C 0806. The tape width, connector loading recess square hole dimensions, etc. are determined by the number of circuits and external shape of the connector to be loaded.
- Specifications are subject to change without prior notice.

## PC board layout (viewed from component side) and Assembly layout



- Note: 1. Tolerances are non-cumulative:  $\pm 0.05\text{mm}$  ( $\pm .002''$ ) for all centers.  
2. The dimensions above should serve as a guideline. Contact JST for details.

## *Applicator for the semi-automatic press AP-K2N*

Contact	Crimp applicator MKS-L-10-3		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
<b>SACH-003G-P0.2</b>	APLMK SACH003-02	APLNC SACH003-02	–	–	–