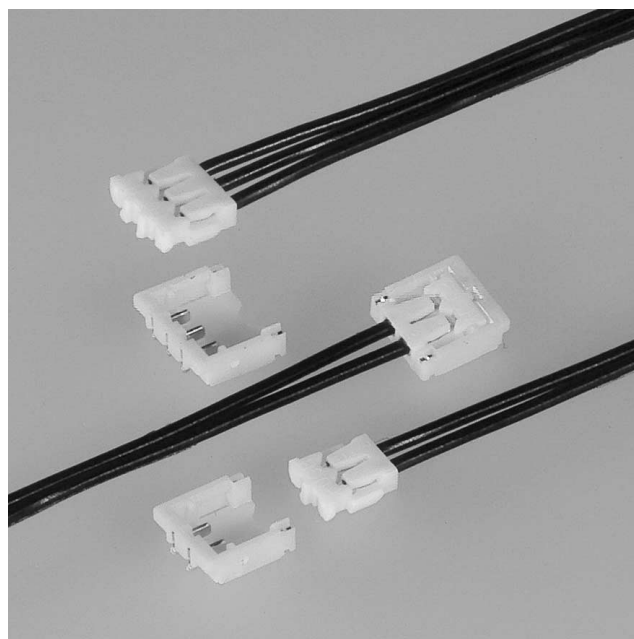
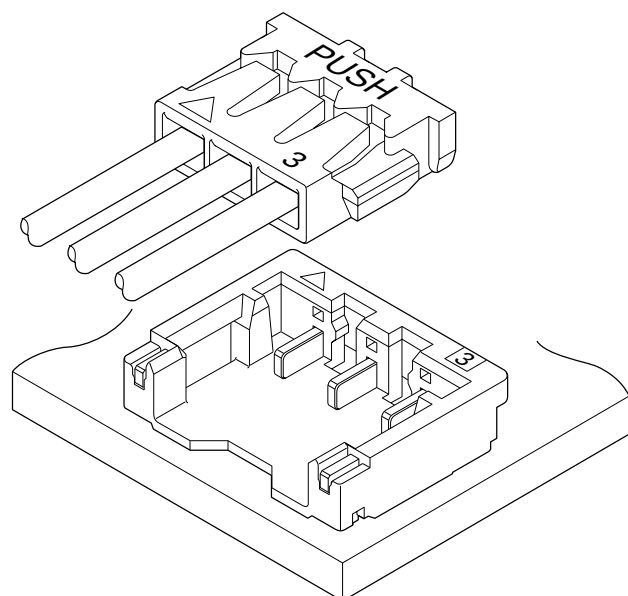


# ACH CONNECTOR

*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

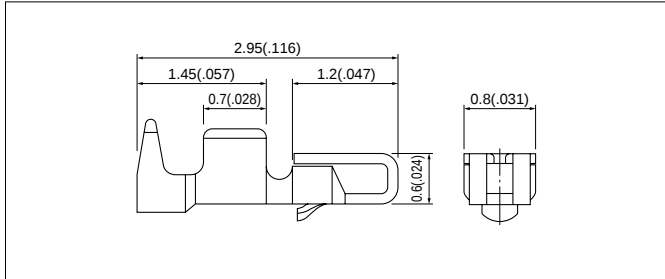
- Current rating: 2A AC, DC (AWG #28)
- Voltage rating: 50V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max.  
After environmental testing/20m Ω max.
- Insulation resistance: 100M Ω min.
- Withstanding 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

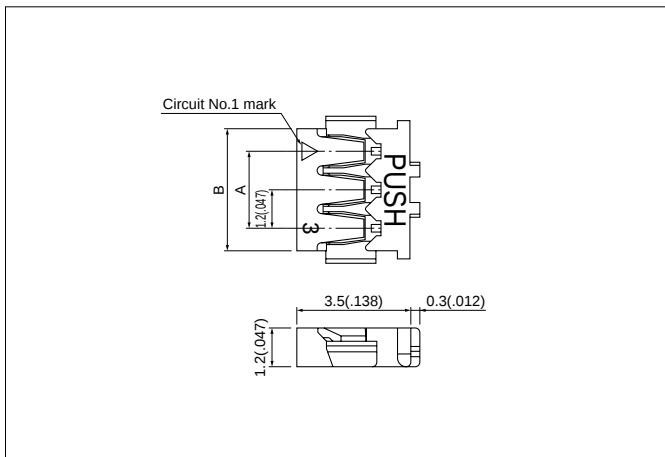
# ACH CONNECTOR

## 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      |
| Material and Finish                           |                 |          |                           |             |
| Copper alloy, nickel-undercoated, gold-plated |                 |          |                           |             |

## Housing

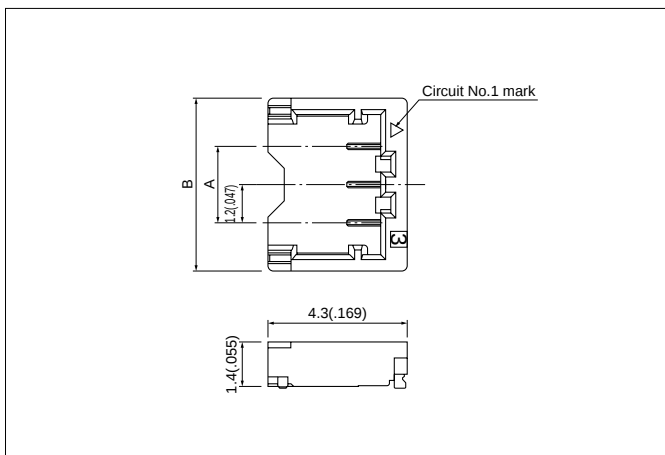


| Circuits                      | Model No.         | Dimensions mm(in.) |           | Q'ty / bag |
|-------------------------------|-------------------|--------------------|-----------|------------|
|                               |                   | A                  | B         |            |
| 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      |
| Material                      |                   |                    |           |            |
| 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



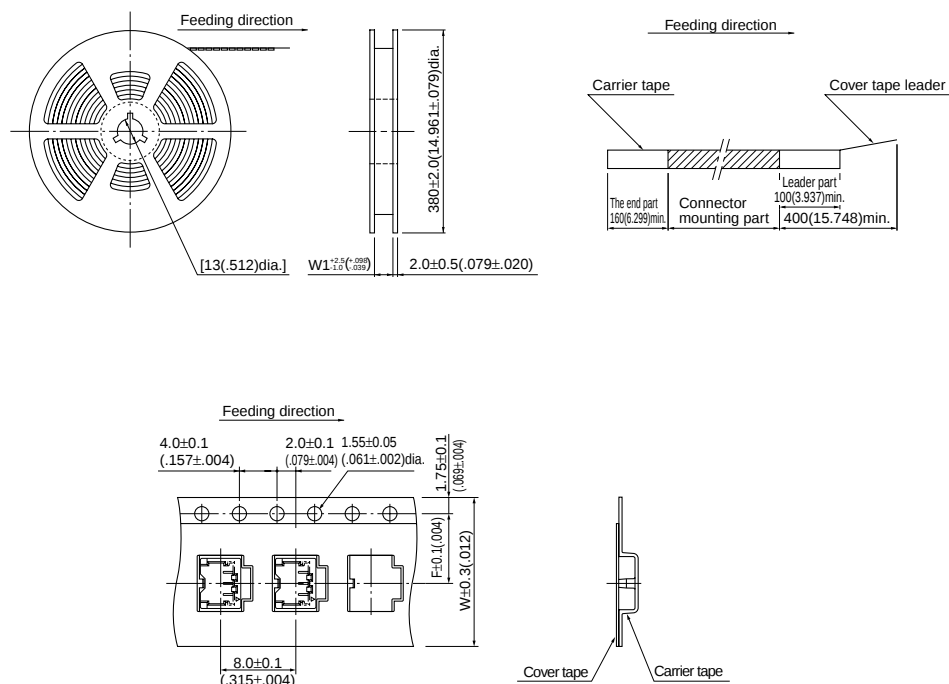
| Circuits                                                                                                                                                                                      | Model No.                 | Q'ty / reel |
|-------------------------------------------------------------------------------------------------------------------------------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

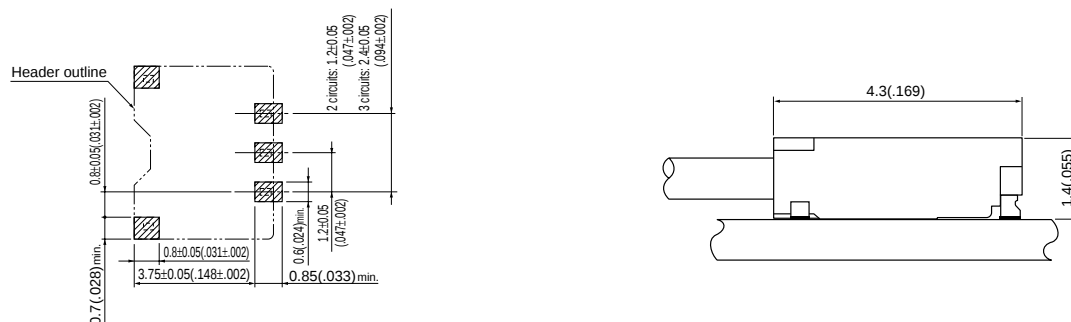


| Circuits | Dimensions mm(in.) |            | Reel dimensions mm(in.) | Q'ty / reel |
|----------|--------------------|------------|-------------------------|-------------|
|          | F                  | W          | W1                      |             |
| 2        | 5.5(.217)          | 12.0(.472) | 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     | —                               | —                    | —                             |

单击下面可查看定价，库存，交付和生命周期等信息

[>>JST\(杰世腾\)](#)