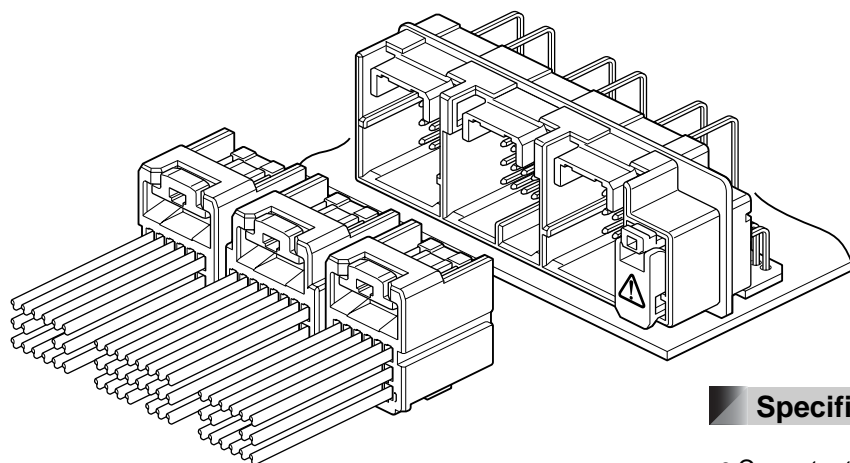


The miniaturization is realized as air-bag ECU I/O connector for automobile.

This product has various circuit development and several adoption results proven, hence it enables to select the type to meet the automobile.



### Features

#### ●Two types circuits

60 circuit and 36 circuit types are available, and the specifications matched to the automobile are selectable.

#### ●Incomplete mating detection mechanism

Mis-insertion and insertion error at the assembly line can detect with a CPA terminal.

#### ●Terminal construction

It is designed to prevent the deformation of the contact part when processing wire harness by protecting the contact part of each terminal with a box.

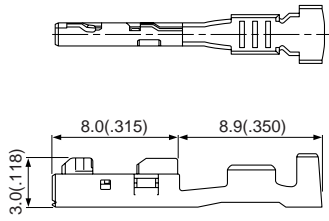
### Specifications

- Current rating: 5A AC, DC (0.5mm<sup>2</sup>, Single circuit)
- Voltage rating: 50V AC, DC
- Temperature range: -40°C to +105°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/8mΩ max.  
After environmental testing/16mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 100V DC/minute
- Applicable wire: AVSS/ CAVS 0.3mm<sup>2</sup> to 0.5mm<sup>2</sup>

\* Contact JST if Lead-Free product is required.

\* Contact JST for details.

### Female terminal



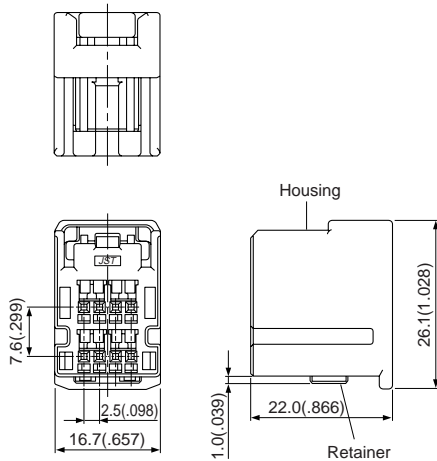
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm <sup>2</sup> )	Insulation O.D. mm(in.)	
① <b>SNAC3-A021T-M0.64</b>	0.3 to 0.5	1.4 to 1.8 (.055 to .071)	5,000
② <b>SNAC3-A021GI-M0.64-1</b>	0.3 to 0.5	1.4 to 1.8 (.055 to .071)	5,000
③ <b>SNAC3-A021GF-M0.64-1</b>	0.3 to 0.5	1.4 to 1.8 (.055 to .071)	5,000

#### Material and Finish

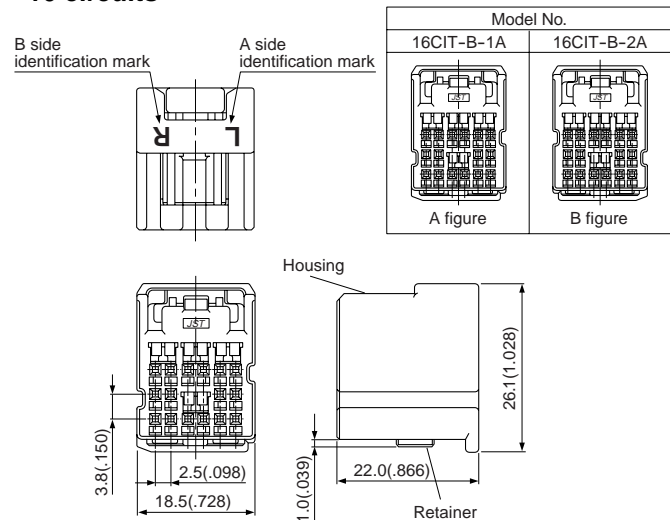
- ①: Copper alloy, tin-plated (reflow treatment)
- ②: Copper alloy, nickel-undercoated, Male mating part; tin-plated (reflow treatment) Short terminal mating part; gold-plated
- ③: Copper alloy, nickel-undercoated, Male mating part; gold-plated Short terminal mating part; gold-plated

### Female connector

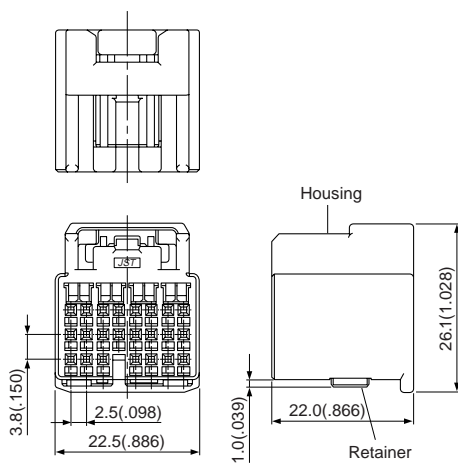
#### • 8 circuits



#### • 16 circuits



#### • 23 circuits



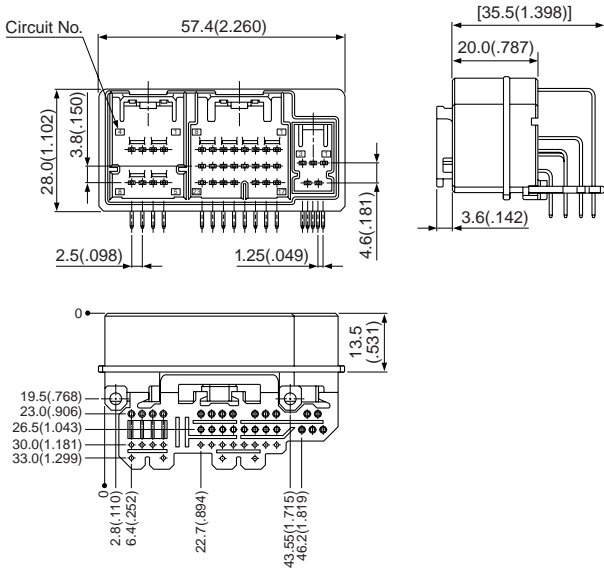
Circuits	Model No.	Q'ty/box
8	<b>08CIT-B-1A</b>	84
16	<b>16CIT-B-1A</b>	72
16	<b>16CIT-B-2A</b>	72
23	<b>23CIT-B-1A</b>	60

#### Material and Finish

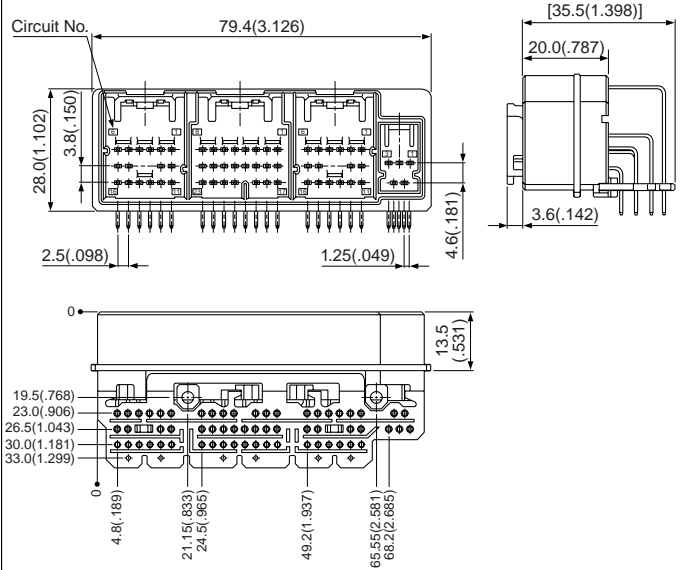
- Housing: PBT, yellow
- Lock housing: Glass-filled PBT, yellow
- Short terminal: Copper alloy, nickel-undercoated, Mating part; gold-plated
- CPA terminal: Copper alloy, nickel-undercoated, Mating part; gold-plated
- Retainer: PBT, natural (white)

Male connector

• 36 circuits



• 60 circuits



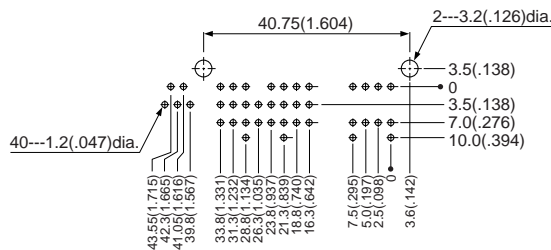
Circuits	Model No.	Q'ty/box
36	<b>S36B-CITYTP-01B</b>	126
60	<b>S60B-CITYTP-01B</b>	98

Material and Finish

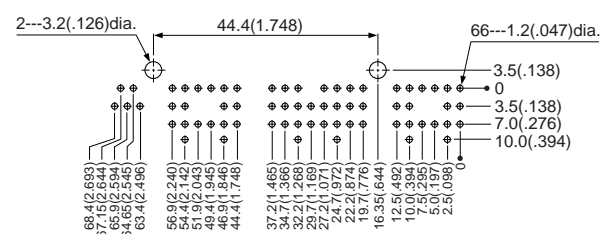
0.64 pin: Brass, nickel-undercoated, tin-plated (reflow treatment)  
 1.0 pin: Brass, nickel-undercoated, tin-plated (reflow treatment)  
 CPA pin: Brass, nickel-undercoated, Mating part; gold-plated  
 Solder tail; tin-plated (reflow treatment)  
 Housing: Glass-filled PBT, yellow  
 Tine-plate: Glass-filled PBT, natural (white)  
 Protect cap: PBT, yellow

PC board layout

• 36 circuits

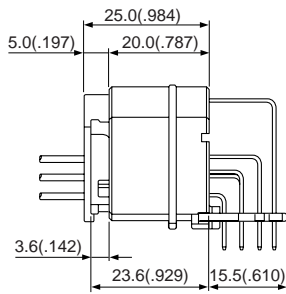


• 60 circuits



Note: 1. Tolerances are non-cumulative: ±0.05mm (±0.002") for all centers.  
 2. Hole dimensions differ according to the kind of PC board and piercing method.  
 The dimensions above should serve as a guideline. Contact JST for details.

### Assembly layout



### Crimping machine, Applicator, Hand crimp tool

Strip terminal	Crimping machine	Crimp applicator MKS-L		Hand crimp tool	Applicable wire
		Dies	Crimp applicator with dies		
SNAC3-A021T-M0.64	AP-K2N	MK/SNAC3-A021-064	APLMK SNAC3-A021-064	YRS-1003	AVSS0.5, CAVS0.5
SNAC3-A021GI-M0.64-1				-	-
SNAC3-A021GF-M0.64-1				-	-

Note: When crimping operation is conducted by using other than above applicator and die set, JST cannot guarantee the performance of connector.