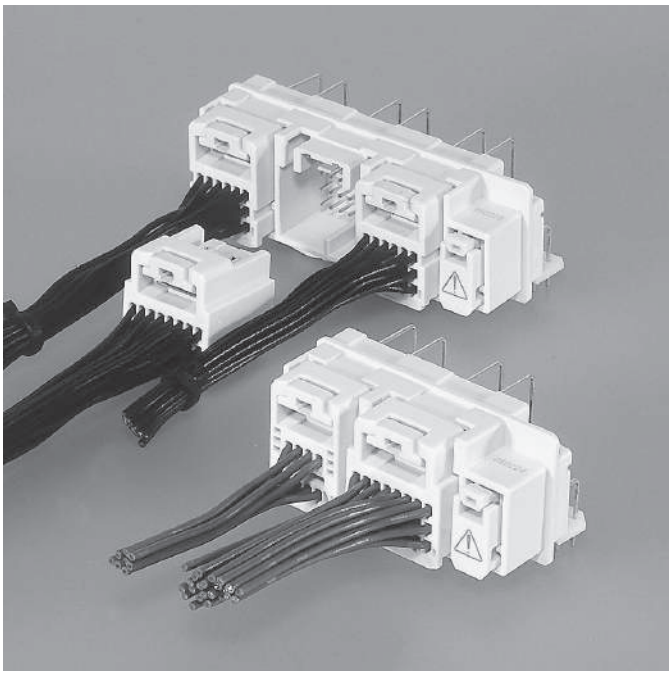
CIT CONNECTOR

Board-to-wire



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.

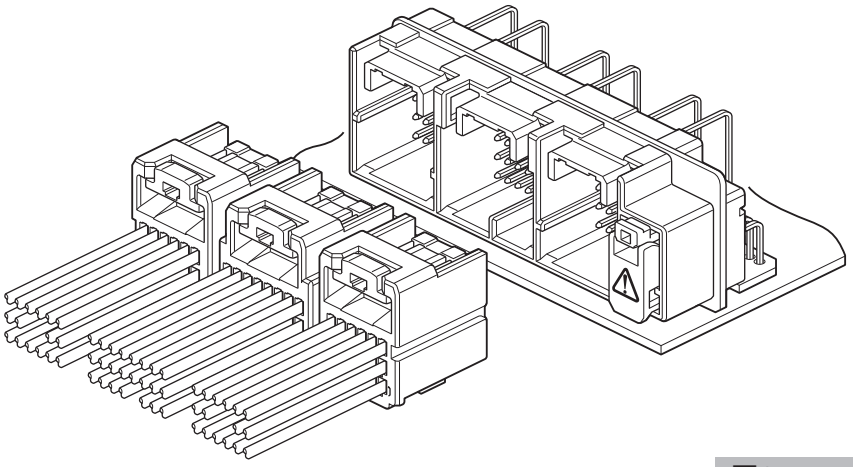
■Features

●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 area when processing wire harness by protecting the contact area of each terminal with a box.

●Press-fit
There are dip type and press-fit type in the male connector.



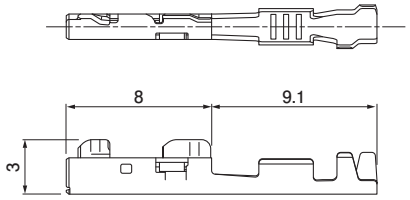
■Specifications

●Current rating: 5 A AC, DC (0.5 mm^2, Single circuit)
●Voltage rating: 50 V AC, DC
●Temperature range: –40℃ to +105℃
(including temperature rise in applying electrical current)
●Contact resistance: Initial value/ 8 mΩ max.
After environmental tests/ 16 mΩ max.
●Insulation resistance: 100 MΩ min.
●Withstanding voltage: 100 VDC/minute
●Applicable wire: AVSS/CAVS
0.64 Terminal S; 0.3 mm^2 to 0.5 mm^2
CHFUS
0.64 Terminal SSS/SS; 0.13 mm^2 to 0.35 mm^2

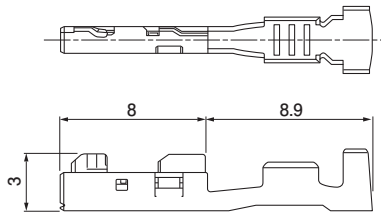
* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

●0.64 Female terminal SSS/SS



●0.64 Female terminal S



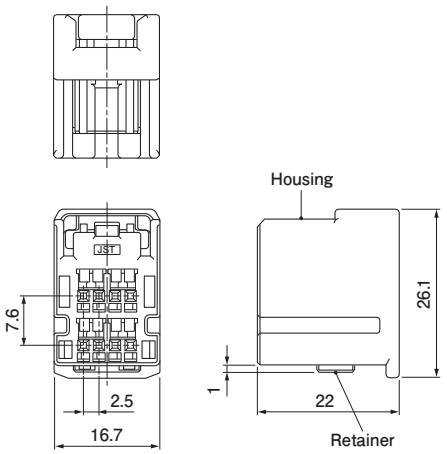
Terminal	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm^2)	Insulation O.D. (mm)	
*0.64 SSS	①SNAC3-A001T-M0.64	0.13	0.85	6,000
*0.64 SS	①SNAC3-A011T-M0.64	0.22 to 0.35	0.95 to 1.10	5,000
0.64 S	①SNAC3-A021T-M0.64	0.3 to 0.5	1.4 to 1.8	5,000
	②SNAC3-A021GI-M0.64-1			
	③SNAC3-A021GF-M0.64-1			

Material and Finish
①Copper alloy, tin-plated (reflow treatment) ②Copper alloy, nickel-undercoated, Male contact area; tin-plated (reflow treatment) Short terminal contact area; gold-plated ③Copper alloy, nickel-undercoated, Male contact area; gold-plated Short terminal contact area; gold-plated

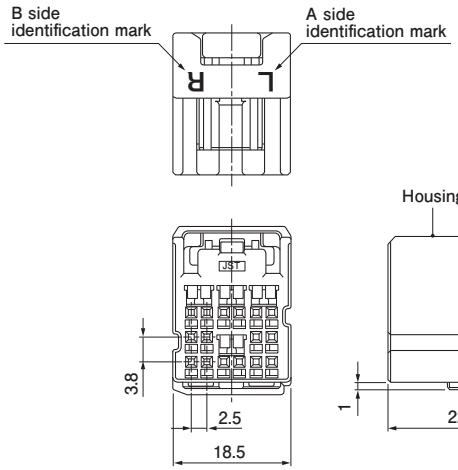
Note: *Please contact JST about the use of these parts.

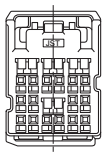
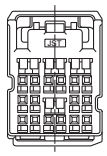
Female connector

●8 circuits

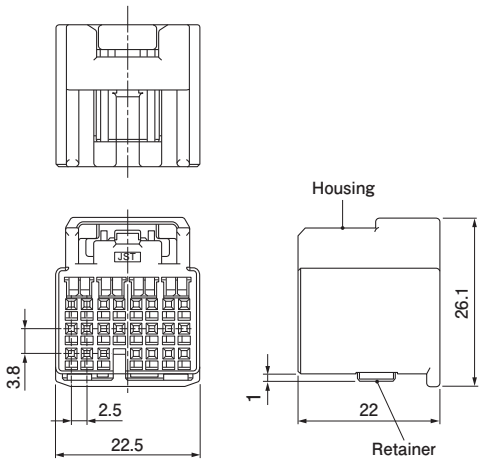


●16 circuits



Model No.	
16CIT-B-1A	16CIT-B-2A
	
A figure	B figure

●23 circuits



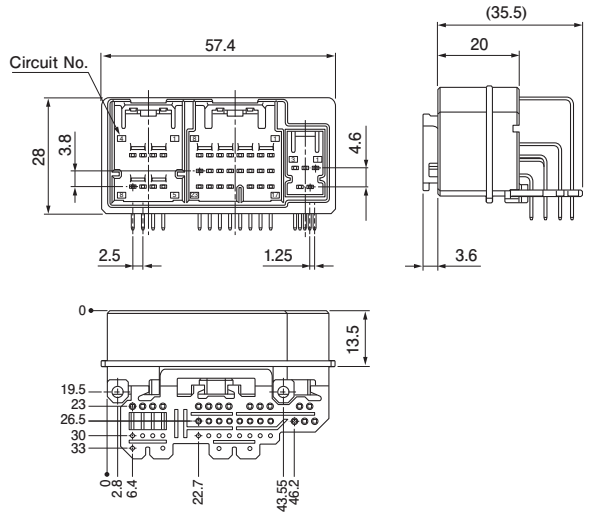
Circuits	Model No.	Q'ty/box
8	08CIT-B-1A	84
16	16CIT-B-1A	72
	16CIT-B-2A	72
23	23CIT-B-1A	60

Material and Finish
Housing: PBT, yellow Lock housing: Glass-filled PBT, yellow Short terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated CPA terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated Retainer: PBT, natural (white)

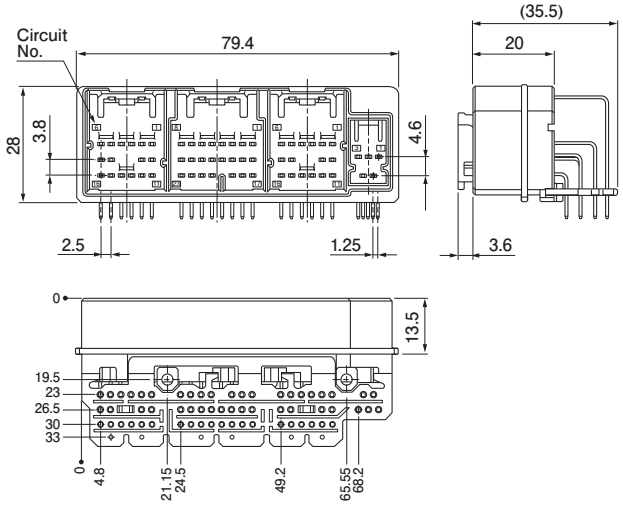
Male connector

Dip type

●36 circuits

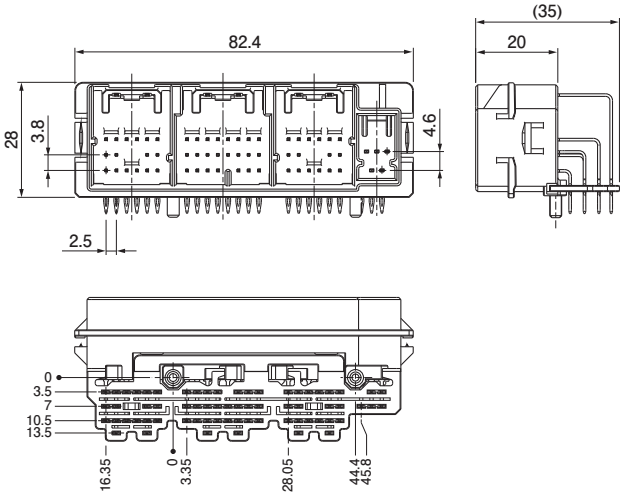


●60 circuits



Press-fit type

●60 circuits



Dip type

Circuits	Model No.	Q'ty/box
36	**S36B-CITYTP-01B**	126
60	**S60B-CITYTP-01B**	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, Contact area; gold-plated Solder tail; tin-plated (reflow treatment) Housing: Glass-filled PBT, yellow Tine-plate: Glass-filled PBT, natural (white) Protect cap: PBT, yellow

Press-fit type

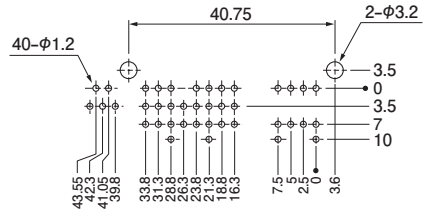
Circuits	Model No.	Q'ty/box
60	**S60B-CITYTP-P-04B**	60

Material and Finish
0.64 pin(S, M): Phosphor bronze, nickel-undercoated, tin-plated (reflow treatment) 0.64 pin(L): Phosphor bronze, nickel-undercoated, Contact area; gold-plated Press-fit area; tin-plated (reflow treatment) 1.0 pin(S, M): Phosphor bronze, nickel-undercoated, tin-plated (reflow treatment) CPA pin: Phosphor bronze, nickel-undercoated, Contact area; gold-plated Press-fit area; tin-plated (reflow treatment) Housing: Glass-filled PBT, yellow Tine-plate: Glass-filled PBT, natural (white) Protect cap: PBT, yellow

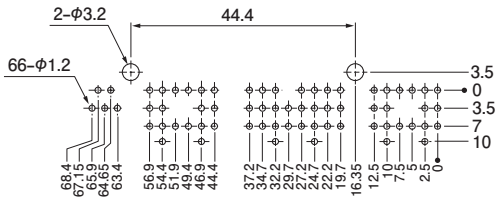
PC board layout, Assembly layout

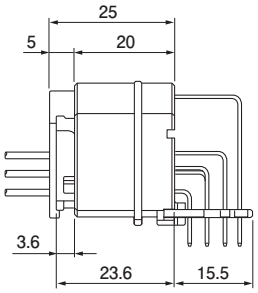
Dip type

●36 circuits



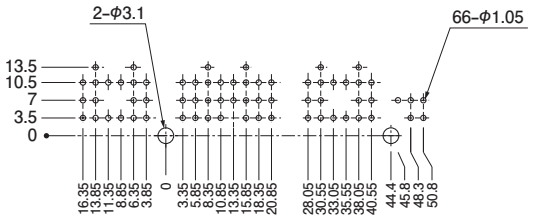
●60 circuits

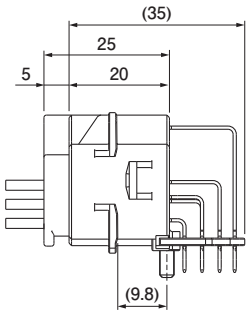




Press-fit type

●60 circuits





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

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-A001T-M0.64	AP-K2N	MK/SNAC3-A001-064	APLMK SNAC3-A001-064	—	—
SNAC3-A011T-M0.64		MK/SNAC3-A011-064	APLMK SNAC3-A011-064	—	—
SNAC3-A021T-M0.64		MK/SNAC3-A021-064	APLMK SNAC3-A021-064	YRK-1003	AVSS0.5, CAVS0.5
SNAC3-A021GI-M0.64-1				—	—
SNAC3-A021GF-M0.64-1				—	—

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