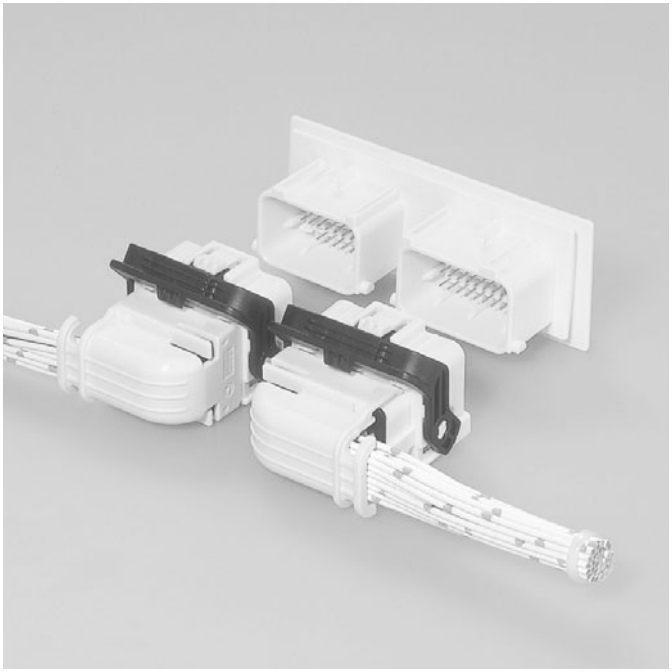
WIC CONNECTOR

Sealed connectors/Board-to-wire



This is ECU I/O connector for automobile air-bag of the miniaturization and sealed type.
This connector has the various pin arrangement/color/key code/PC board connecting method corresponding to needs, hence the connector type suitable for the vehicle can be selected.

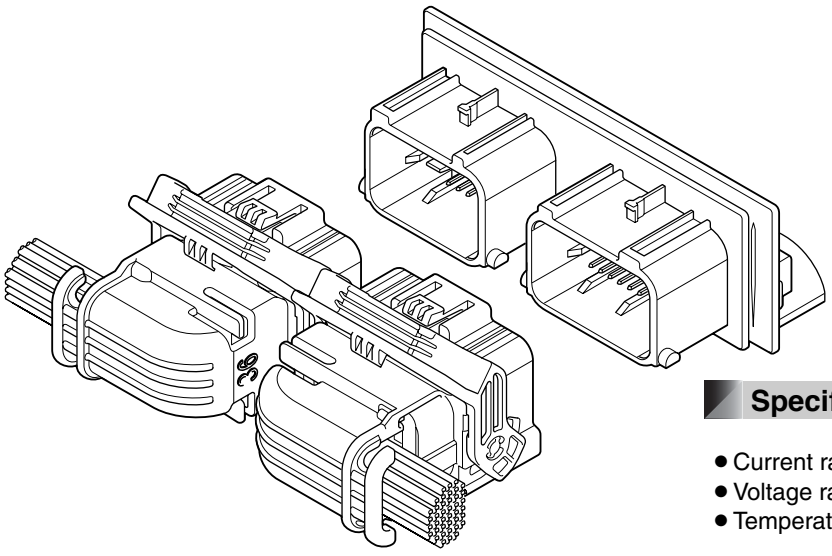
Features

●Variation
Contact JST for pin arrangement/housing color/key code.
Dip type and press-fit type are available for connecting at PC board side.

●Terminal construction
It is designed to prevent the deformation of contact area when processing wire harness by protecting contact area of each terminal box.

●Mating
CPA adopted. It enables the connector to be locked securely and prevents incomplete mating on the assembly line resulting in improved connector retention force.
The lever mechanism is adopted to decrease the insertion force in mating male and female.

●Sealed
Mat seal is adopted for improving the workability of harness assembling.

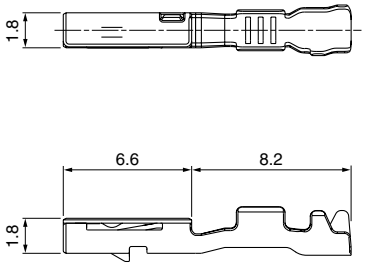


Specifications

- Current rating: 5A AC, DC max.
- Voltage rating: 14V DC max.
- Temperature range: -40°C to +120°C
  (including temperature rise in applying electrical current)
- Contact resistance:
  Female terminal; Initial value/10mΩ max.
  After environmental testing/20mΩ max.
  Short terminal; Initial value/50mΩ max.
  After environmental testing/100mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AVSS/ AESSX (F)
  0.5mm^2

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

Female terminal

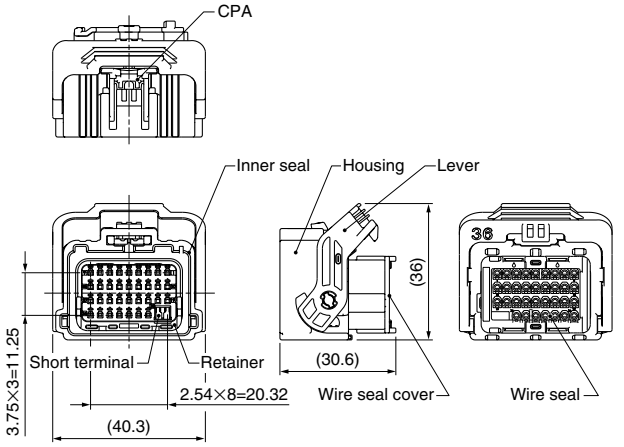


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm^2)	Insulation O.D. (mm)	
SWPH-A021GF-M0.64	0.5	1.7	10,000

Material and Finish
Copper alloy, nickel-undercoated, tin-plated, Contact area; gold-plated

Female connector

● **36 circuits**

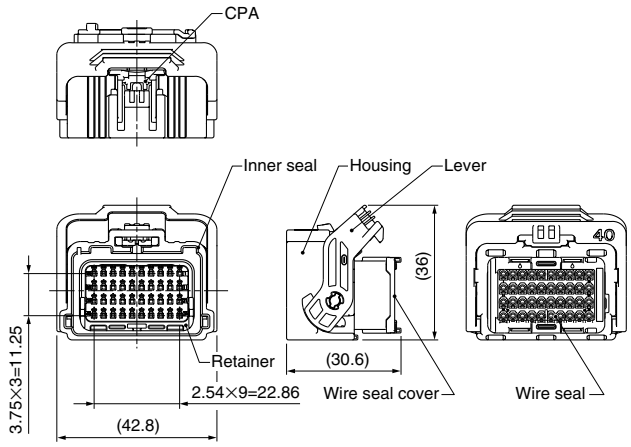


Circuits	Model No.	Q'ty/box
36	**36WIC-B-1A-01**	280

Material and Finish
Housing: Glass-filled PBT, yellow Retainer: Glass-filled PBT, black Lever: Glass-filled PBT, black CPA housing: Glass-filled PBT, black Wire seal cover: Glass-filled PBT, black Inner seal: Silicone, green Wire seal: Silicone, green Short terminal: Copper alloy, nickel-undercoated, tin-plated, Contact area; gold-plated

Note: Color/Key codes other than above-mentioned housing are also available. Contact JST for details.

● **40 circuits**



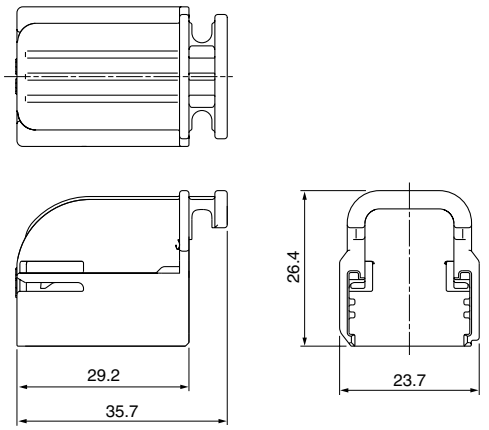
Circuits	Model No.	Q'ty/box
40	**40WIC-B-1A-01**	280

Material
Housing: Glass-filled PBT, yellow Retainer: Glass-filled PBT, black Lever: Glass-filled PBT, black CPA housing: Glass-filled PBT, black Wire seal cover: Glass-filled PBT, black Inner seal: Silicone, red Wire seal: Silicone, red

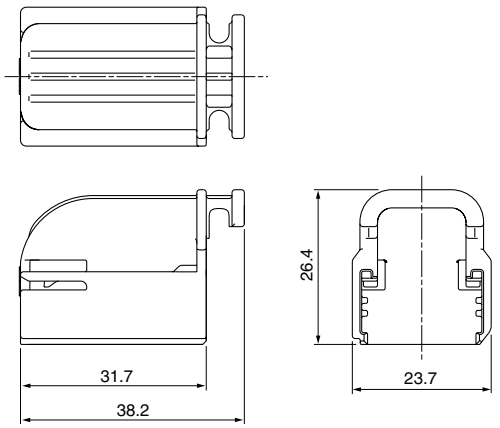
Note: Color/Key codes other than above-mentioned housing are also available. Contact JST for details.

Female harness cover

● **36 circuits**



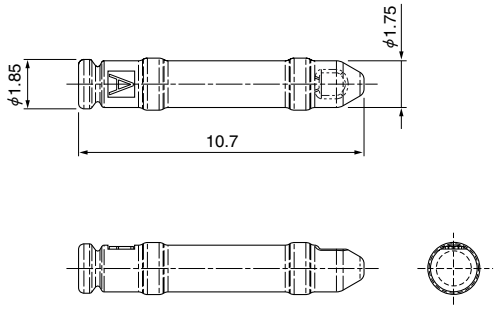
● **40 circuits**



Circuits	Model No.	Q'ty/box
36	**WICC-36-S**	400
40	**WICC-40-S**	400

Material
Glass-filled PBT, natural (white)

Female dummy plug

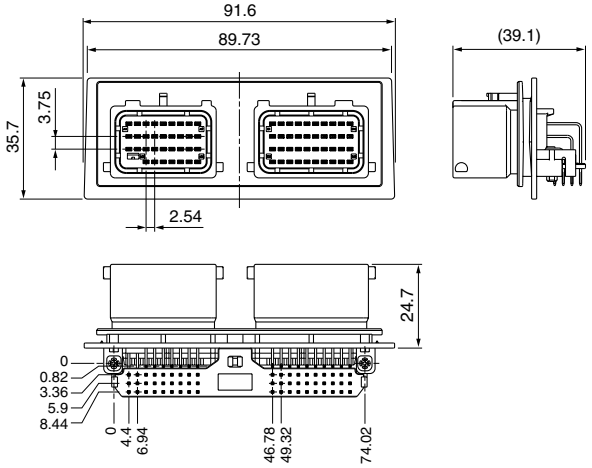


Model No.	Q'ty/box
WPHDP-H-1A-H	7,000

Material
PBT, gray

Male connector

Dip type

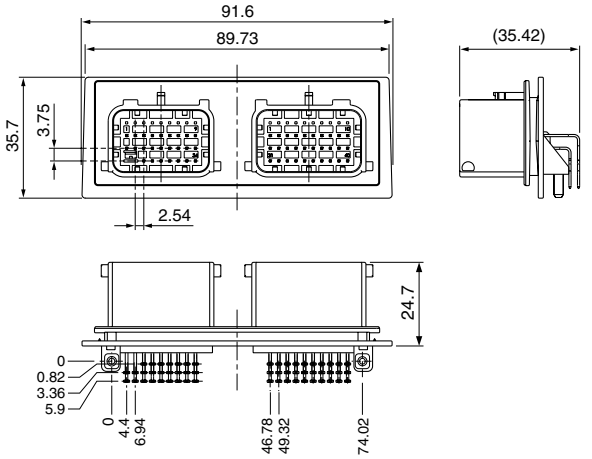


Circuits	Model No.	Q'ty/box
38	**S38B-WIC01-1A**	120

Material and Finish
Housing: Glass-filled PBT, yellow Tine-plate: Glass-filled PBT, black Pin: Copper alloy, nickel-undercoated, tin-plated, Contact area; gold-plated

Note: Color/Key codes other than above-mentioned housing are also available. Up to maximum 74 circuits for dip type and maximum 55 circuits for press-fit type (extensible up to 74 circuits) are available. Contact JST for details.

Press-fit type



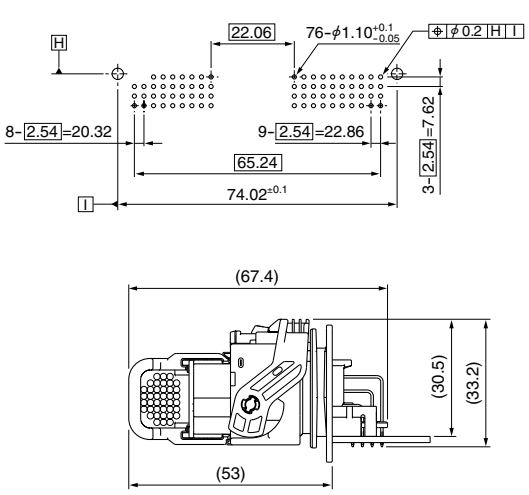
Circuits	Model No.	Q'ty/box
22	**S54(76)B-WICP01-1A**	60

Material and Finish
Housing: Glass-filled PBT, light blue Pin: Phosphor bronze, nickel-undercoated, Press-fit area; tin-plated, Contact area; gold-plated

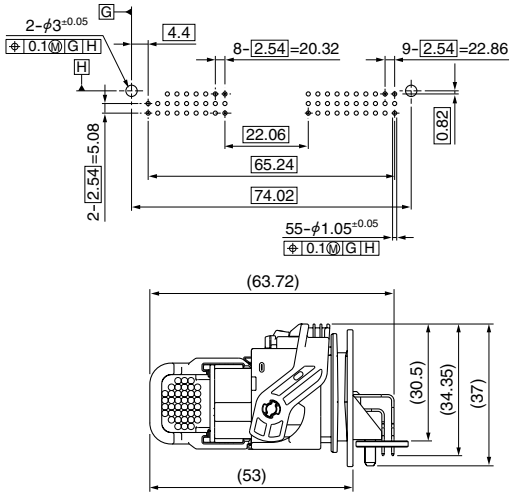
Note: Color/Key codes other than above-mentioned housing are also available. Up to maximum 74 circuits for dip type and maximum 55 circuits for press-fit type (extensible up to 74 circuits) are available. Contact JST for details.

PC board layout, Assembly layout

Dip type



Press-fit type



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SWPH-A021GF-M0.64	AP-K2N	MK/SWPH-A021-064	APLMK SWPH-A021-064

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

JST:

40WIC-B-1A-06 WICC-36-S 36WIC-B-1A-01 WICC-40-S WPHDP-H-1A-H

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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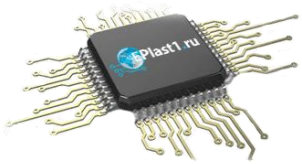
- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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