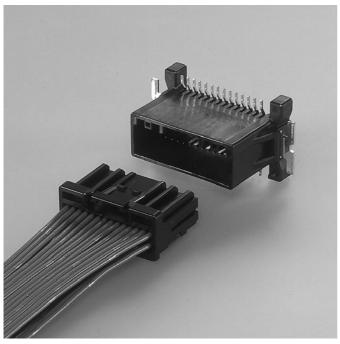
# **BMD**<sub>CONNECTOR</sub>

# **Board-to-wire**



Surface mounting type connector of bottom entry type developed for instruments for automobile.

# Features

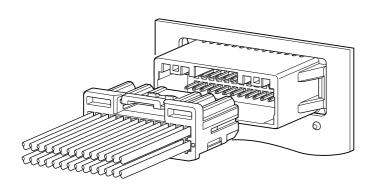
#### High reliability

Using the tried and true terminal ensures high performance and high reliability.

The retainer (secondary lock) is provided for automobile, and reliability is improved.

#### Surface mounting

Corresponding to the surface mounting, workability is improved.



# Specifications

- Current rating: 5A AC, DC (0.5mm², Single circuit)
- Voltage rating: 50V AC, DC
- Temperature range: -30°C to +105°C

(including temperature rise in applying electrical current)

Contact resistance: Initial value/8mΩ max.

After environmental testing/16m $\Omega$  max.

- Insulation resistance: 100M $\Omega$  min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AVSS/CAVS

0.64 Terminal S;  $0.3 mm^2$  to  $0.5 mm^2$ 

CHFUS

0.64 Terminal SSS/SS; 0.13mm<sup>2</sup> to 0.35mm<sup>2</sup>

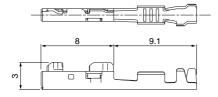
- \* Compliant with ELV/RoHS.
- \* Contact JST for details.

1

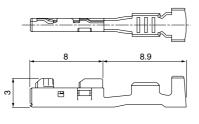
# **BMD** CONNECTOR

# Female terminal

#### • 0.64 Female terminal SSS/SS



#### • 0.64 Female terminal S



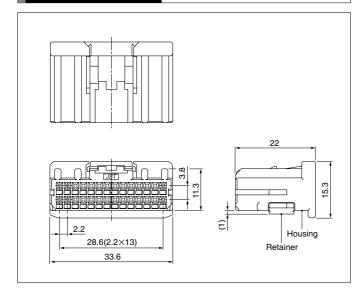
Terminal	Model No.	Applicable wire range		
		Conductor (mm²)	Insulation O.D. (mm)	Q'ty/reel
0.64 SSS	SNAC3-A001T-M0.64	0.13	0.85	6,000
0.64 SS	SNAC3-A011T-M0.64	0.22 to 0.35	0.95 to 1.10	5,000
0.64 S	SNAC3-A021T-M0.64	0.3 to 0.5	1.4 to 1.8	5,000

#### Material and Finish

Copper alloy, tin-plated (reflow treatment)

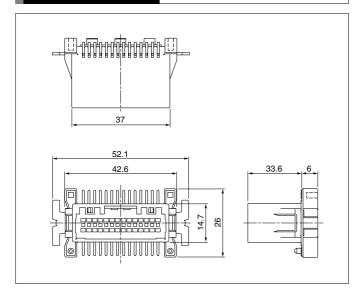
Note: Contact JST for 2.3  $\hspace{-0.1cm}\mathbb{I}$  female terminal for power supply.

# Female connector



Circuits	Model No.	Q'ty/box			
28	28BMD-B-01A	130			
Material					
Housing: PBT, black					

# Male connector



Circuits	Model No.	Q'ty/box
28	EM28B-BMDK-01A (M)	252

#### Material and Finish

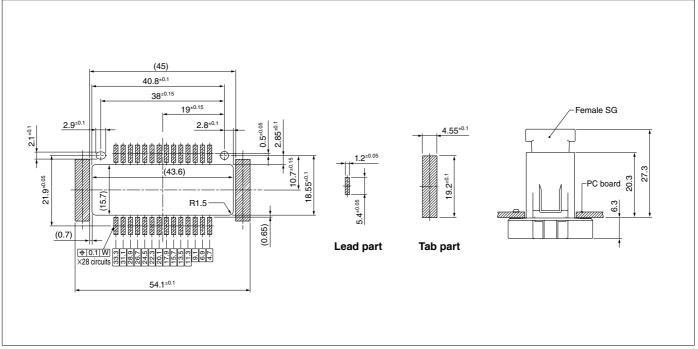
Pin: Brass, nickel-undercoated, tin-plated (reflow treatment)

Housing: Glass-filled PPS, black

Peg: Brass, nickel-undercoated, tin-plated (reflow treatment)

# **BMD** CONNECTOR

# PC board layout, Assembly layout



Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.

2. 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		Lland arima to al	Applicable wire
		Dies	Crimp applicator with dies	Hand crimp tool	Applicable wire
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

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