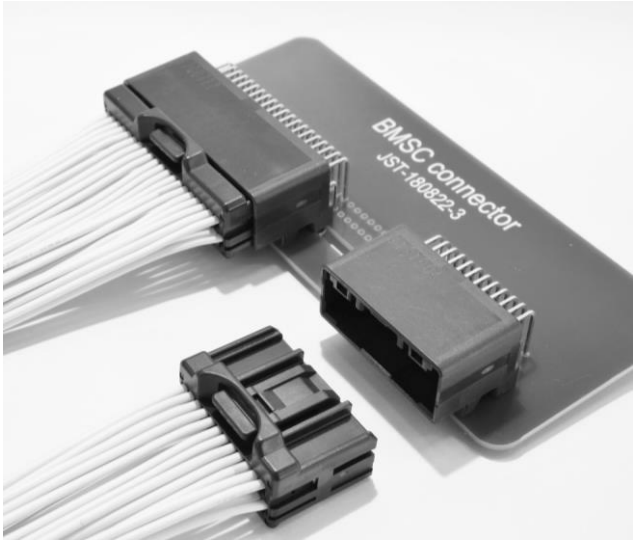
BMSC CONNECTOR

Board-to-wire



0.64 terminal, 2.2 mm pitch dual-row, board-to-wire connector for automotive applications.

■ Features

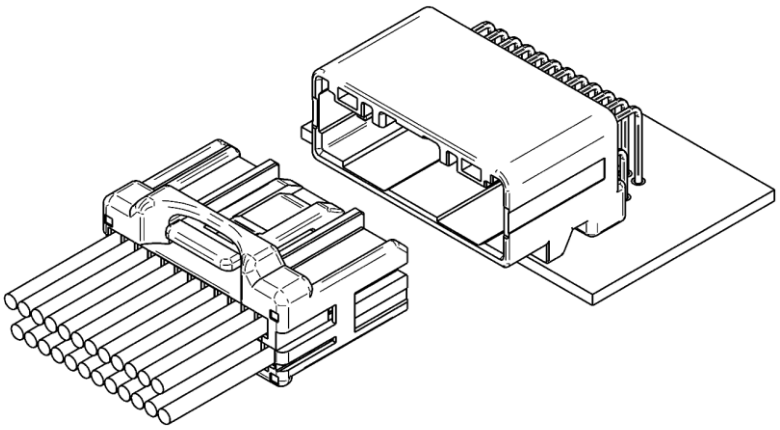
●High reliability
Product performance that meets automotive specifications.

●Female terminal
Highly reliable female terminals used in connectors for various automotive applications.

●Mating workability
Low insertion setting for improved mating workability.

●Key code options
Prevent incorrect mating by key code with color identification.

●Flammability : UL94V-0
Using UL94 V-0 material to meet the flame-retardant requirement.



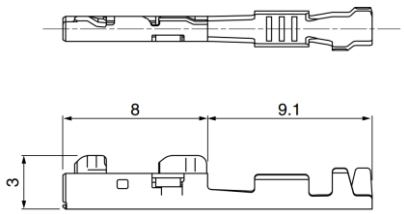
■ Specifications

●Current rating : 5 A AC/DC (0.5mm^2, Single circuit)
●Withstanding voltage : 1,000 VAC /minute
●Temperature range : -40°C to +105°C
(including temperature rise in applying electrical current)
●Contact resistance : Initial value/ 20 mΩ max.
After environmental tests/ 20 mΩ max.
●Insulation resistance : 100 MΩ min.
●Applicable wire : AVSS/CAVS
0.3mm^2 to 0.5mm^2
AVSSH
0.5mm^2

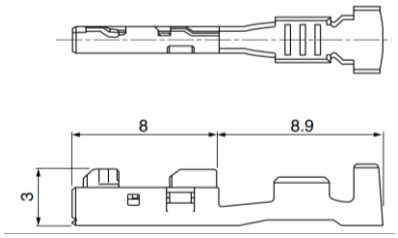
***Compliant with ELV/RoHS2.**
***Contact JST for details.**

Female terminal

● 0.64 female terminal SSS



● 0.64 female terminal S



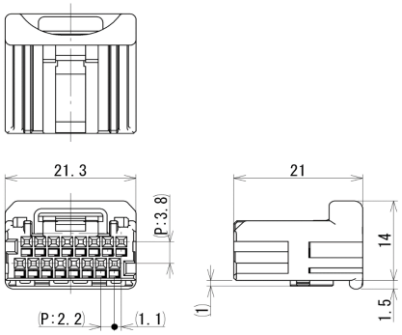
Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm²)	Insulation O.D. (mm)	
*0.64SSS	**SNAC3-A001T-M0.64**	0.13	0.85	6,000
0.64S	**SNAC3-A021T-M0.64**	0.3 to 0.5	1.4 to 1.8	5,000

Material and Finish
Copper alloy, tin-plated

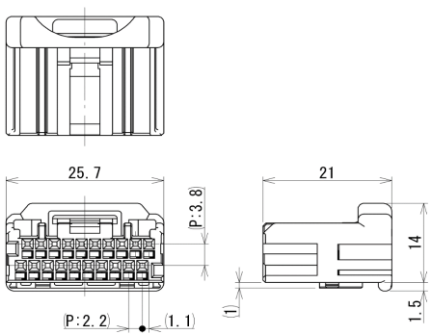
Note: * Contact JST about the use of these parts.

Female connector

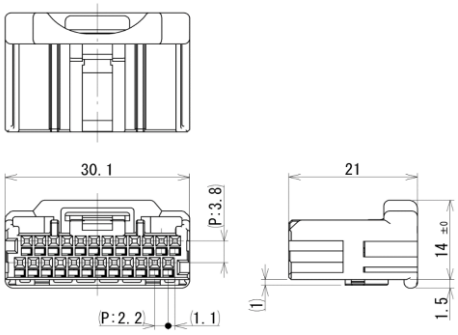
● 16 circuits



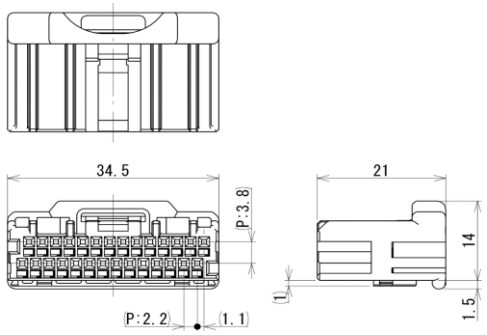
● 20 circuits



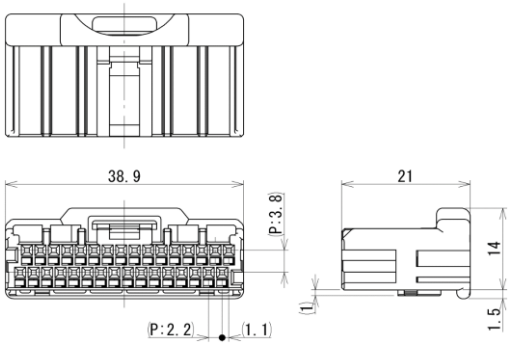
● 24 circuits



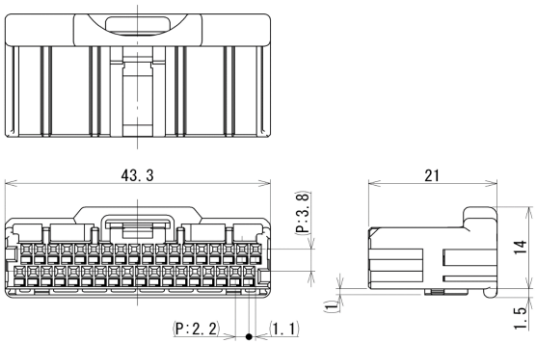
● 28 circuits



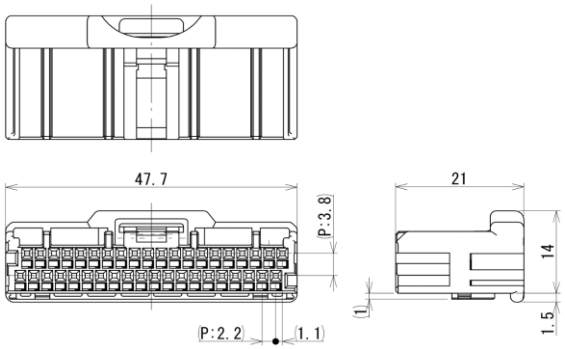
● 32 circuits



● 36 circuits



● 40 circuits



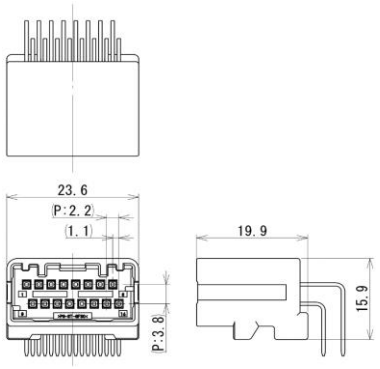
No. of circuits	Model No.	Color		Q'ty/box
		Housing	Retainer	
16	**16BMSC-B-2A1**	Black	Natural	784
20	**20BMSC-B-2A1**	Black	Natural	616
24	**24BMSC-B-2A1**	Black	Natural	560
28	**28BMSC-B-2A1**	Black	Natural	448
32	**32BMSC-B-2A1**	Black	Natural	392
36	**36BMSC-B-2A1**	Black	Natural	336
40	**40BMSC-B-2A1**	Black	Natural	336

Material
Housing: Glass-filled PBT,UL94V-0 Retainer: Glass-filled PBT,UL94V-0

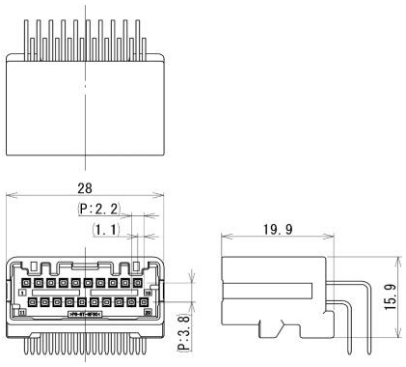
Note: Color/Key codes other than above-mentioned housing are also available.
Contact JST for details.

Male connector

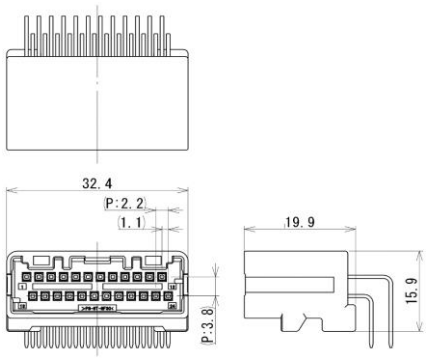
● 16 circuits



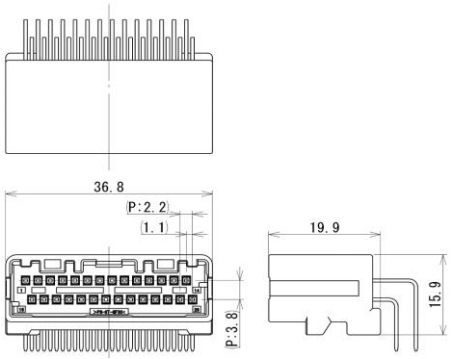
● 20 circuits



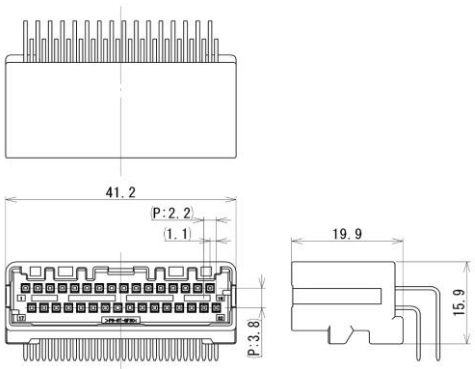
● 24 circuits



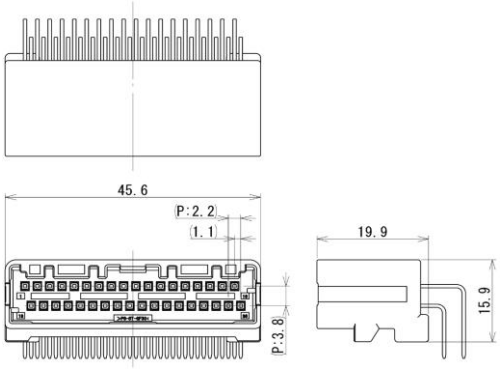
● 28 circuits



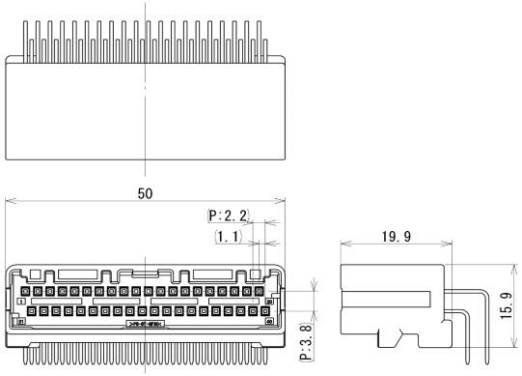
● 32 circuits



● 36 circuits



● 40 circuits



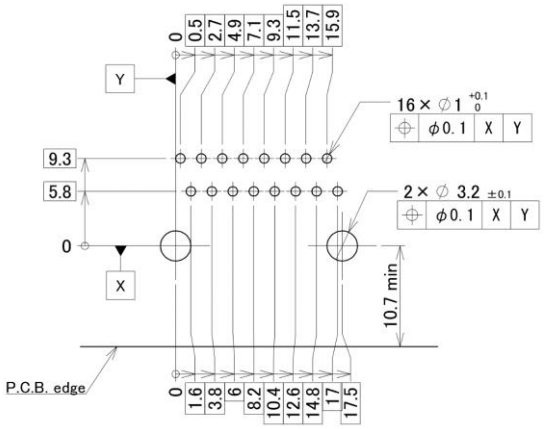
No. of circuits	Model No.	Housing Color	Q'ty/box
16	**S16B-BMSCK-2A1**	Black	480
20	**S20B-BMSCK-2A1**	Black	400
24	**S24B-BMSCK-2A1**	Black	360
28	**S28B-BMSCK-2A1**	Black	320
32	**S32B-BMSCK-2A1**	Black	280
36	**S36B-BMSCK-2A1**	Black	240
40	**S40B-BMSCK-2A1**	Black	240

Material and Finish
Housing : Glass-filled SPS, UL94V-0 Terminal: Copper alloy, tin-plated

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

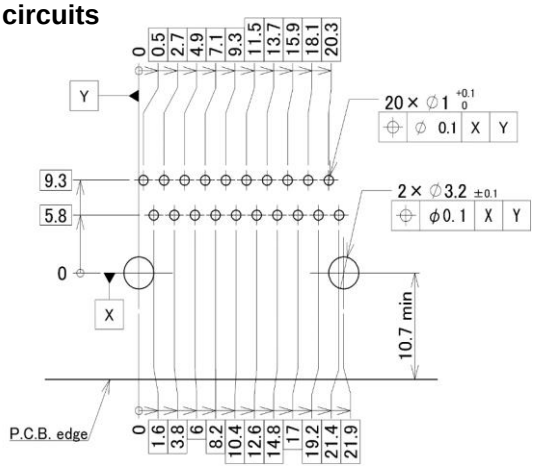
PC board layout

● 16 circuits



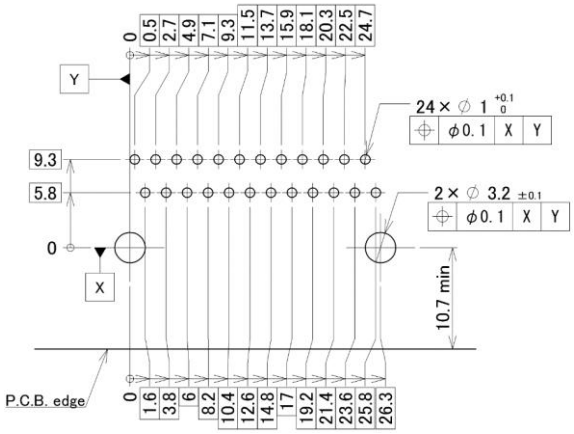
Connector mounted side

● 20 circuits



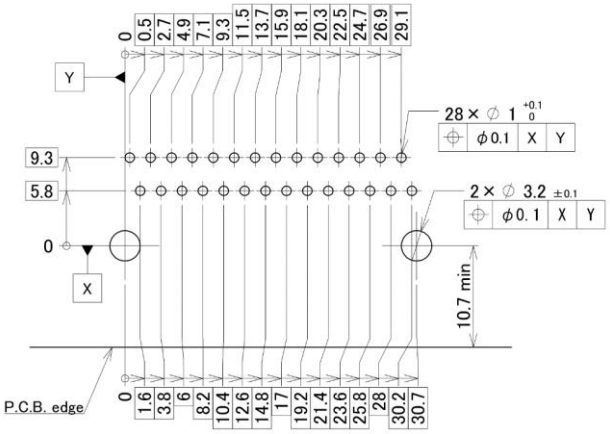
Connector mounted side

● 24 circuits



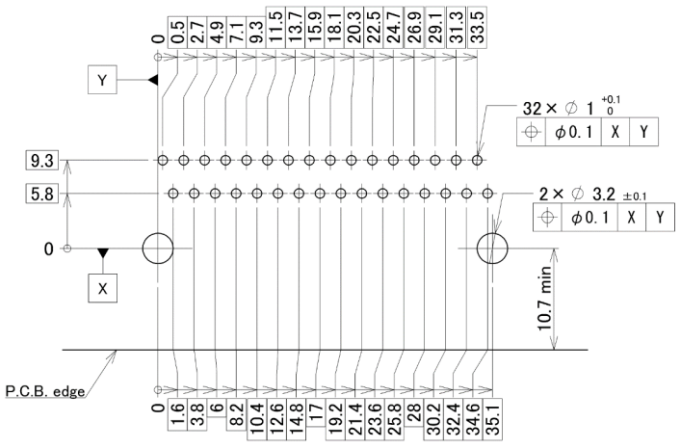
Connector mounted side

● 28 circuits



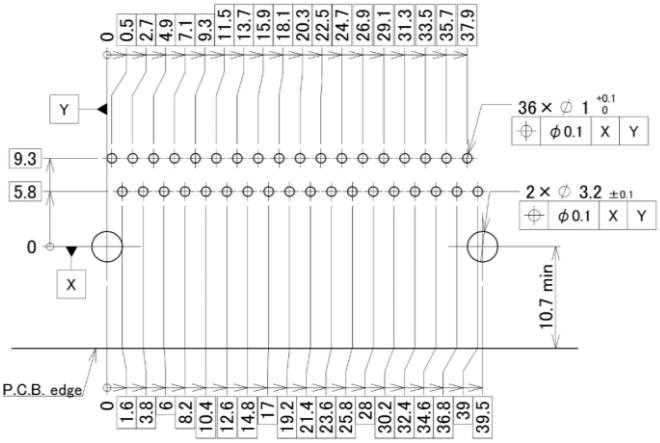
Connector mounted side

● 32 circuits



Connector mounted side

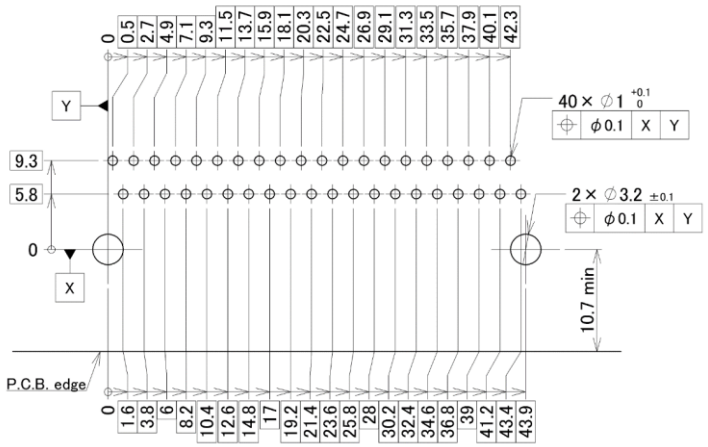
● 36 circuits



Connector mounted side

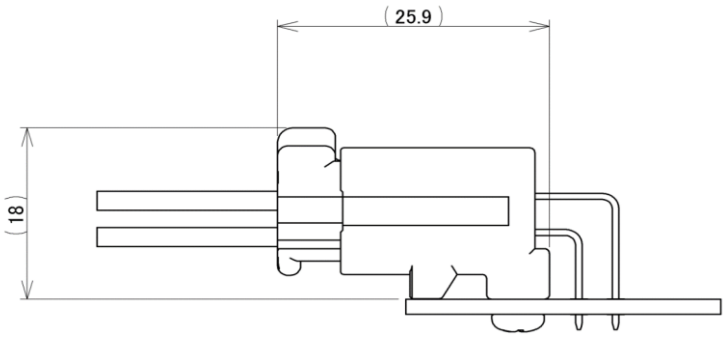
PC board layout

● **40 circuits**

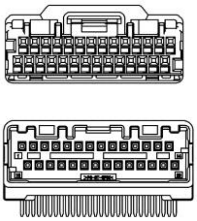
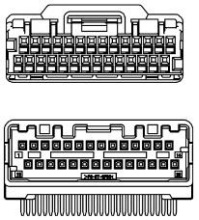
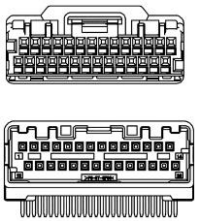
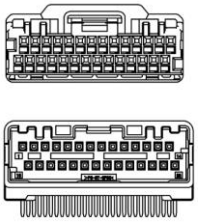


Connector mounted side

Assembly layout



Keycode

Keycode	A	B	C	D
Housing color	Black	Gray	Blue	Green
Configuration				
Female model No.	**( )BMSC-B-2A1**	**( )BMSC-B-2A2**	**( )BMSC-B-2A3**	**( )BMSC-B-2A4**
Male model No.	**S( )B-BMSCK-2A1**	**S( )B-BMSCH-2A2**	**S( )B-BMSCE-2A3**	**S( )B-BMSCM-2A4**

Note: Contact JST for details.

Crimping machine, Applicator

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-A021T-M0.64		MK/SNAC3-A021-064	APLMK SNAC3-A021-064	YRK-1003	AVSS0.5,CAVS0.5

Note: 1. When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.
2. Contact JST for details.