SMALL PC CARD CONNECTOR MB TYPE

Emboss Tape

68-circuit Small PC card connector

1.0mm pitch 68-circuit dual-row connector for small PC card, conforming to PCMCIA/JEIDA standard.
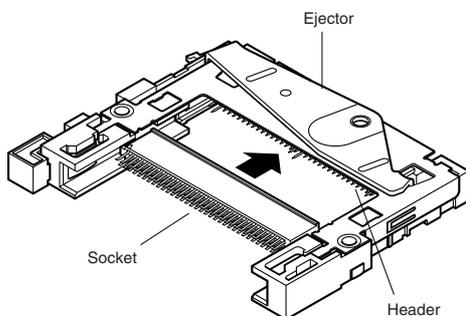
Features

• Socket

Socket is of straddle-type, designed to accommodate PC board between the two solder tail rows.

• Header

Header is with stand-off 0mm, available in both normal and reverse types.

• Ejector

Ejector is, with the left button, to be assembled (with screws) after header is mounted. The frame has the contact point for the grounding clip on the small PC card.

<Card frame (for types I & II cards)>

Ejector

Socket

Header

Specifications

- Current rating: 0.5A AC, DC/line
- Temperature range: -40˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/40m Ω max.
  After environmental testing/max.
  20m Ω variation from intial value.
- Withstanding voltage: 500V AC/minute
- Insulation resistance: 1,000M Ω min.(intial)
- Matinng/unmating life: 10,000 cycles
- Circuits: 68-circuits
- * Compliant with RoHS.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

SMALL PC CARD CONNECTOR MB TYPE

Socket
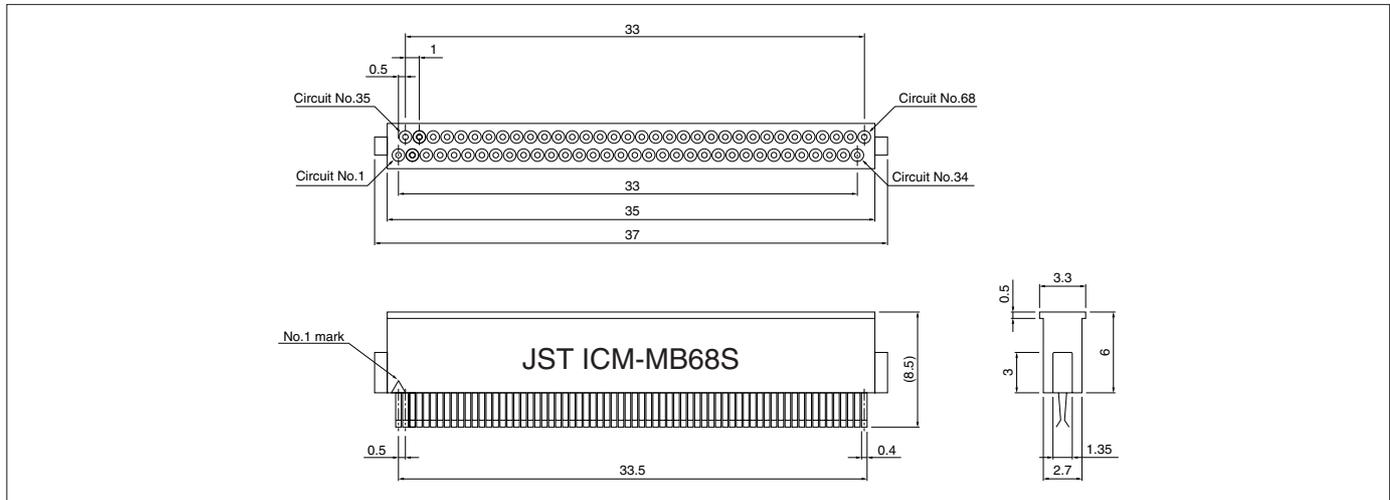
JST ICM-MB68S

Circuits	Model No.	Q´ty / box	Material and Finish
68	**ICM-MB68S-TS13-5000A**	600	Contact: Beryllium copper, Mating part; gold-plated, Solder tail; tin-plated (reflow treatment) Housing: PA6T, UL94V-0

RoHS compliance *This product displays (LF)(SN) on a label.*

Header

Normal type (Stand off 0mm)

Reverse type (Stand off 0mm)
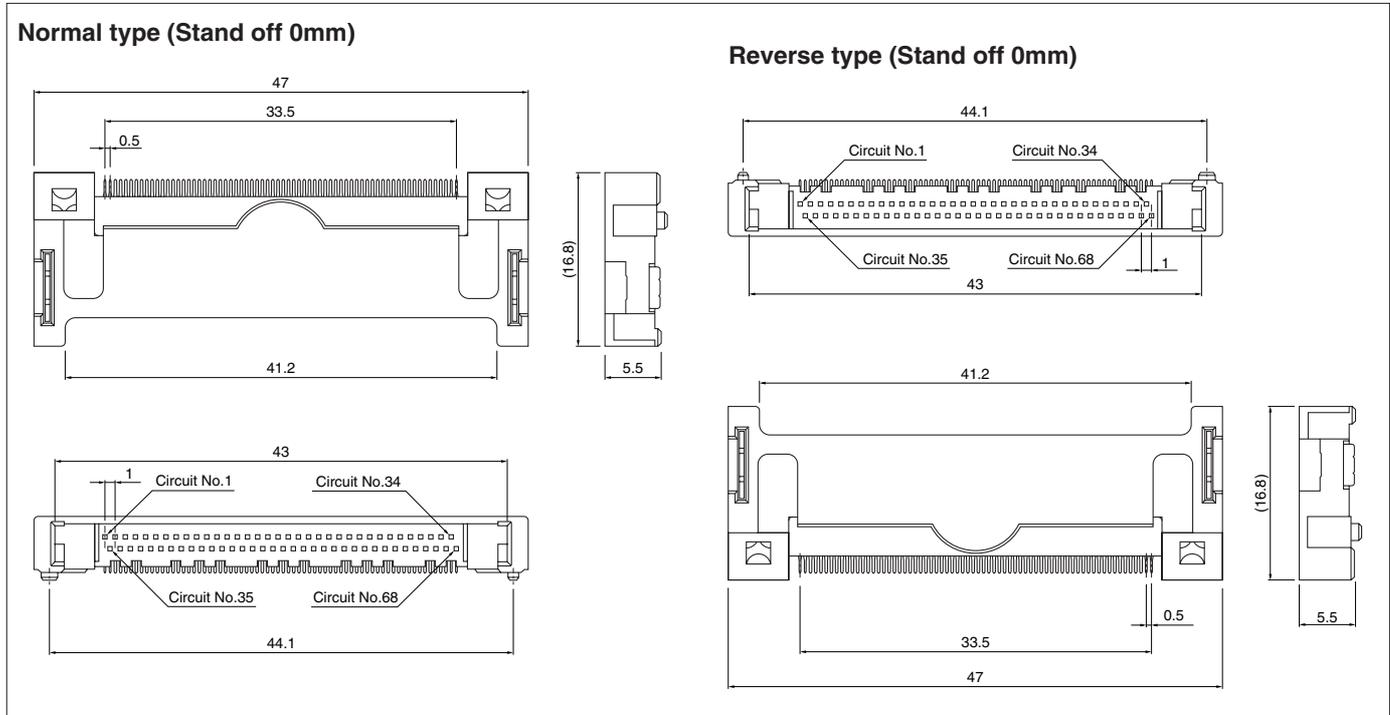
Circuits	Type	Model No.	Q'ty / box	Material and Finish
68	Normal	**ICM-MB68H-S153-400N**	168	Contact: Phosphor bronze, nickel-undercoated, Mating part; gold-plated, Solder tail; tin-plated (reflow treatment) Housing: Glass-filled PPS, UL94V-0, Normal...black Reverse...brown Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)
	Reverse	**ICM-MB68H-S153-400R**		

Dimension L

Circuit No.	Dimensions (mm)
1, 17, 34, 35, 51, 68	5.0 ±0.1
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25 ±0.1
36, 37	3.5 ±0.1

RoHS compliance *This product displays (LF)(SN) on a label.*

Ejector

Left Button

(53.8)

30   23.8

6.6

40.75

24

18.2

5   3.5

26.7

6.3

(43)
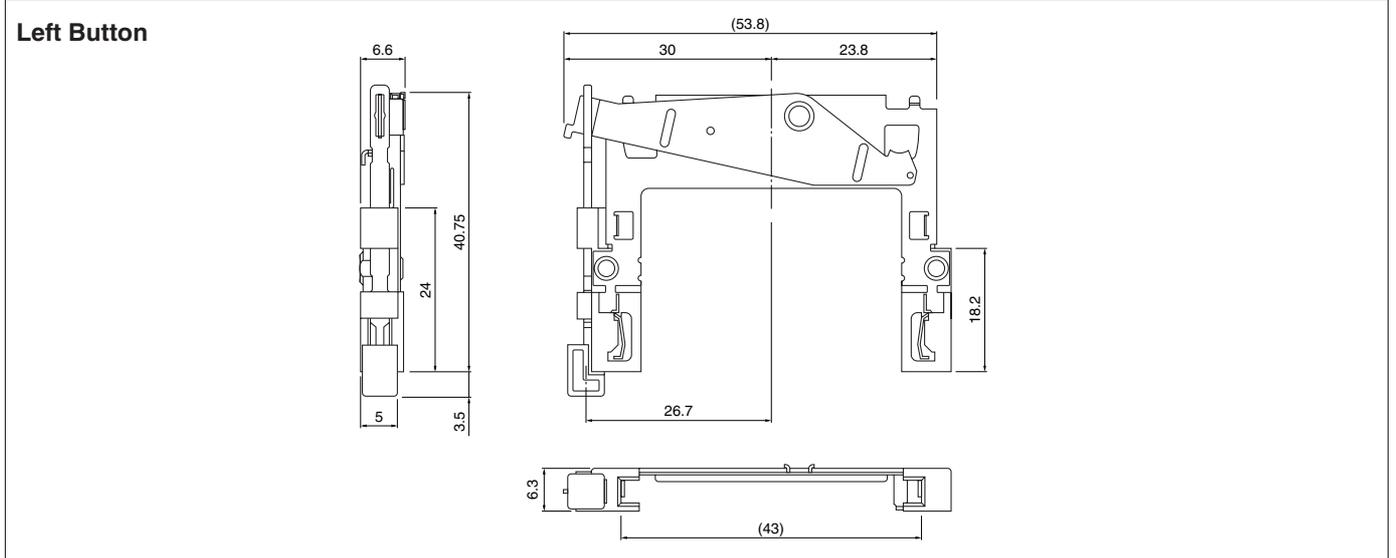
Circuits	Model No.	Q´ty / box	Material
Left button	**ICM-MBE-L-300HA**	70	Frame, Rotaiting arm, Push bar: Stainless Guide bar, Push button: Glass filled PBT, UL94V-0 Eyelet with nut: Brass, nickel-plated.

RoHS compliance

PC board layout (viewed from component side)

Normal type (Stand off 0mm)

$44.1^{\pm 0.05}$

$41.2^{\pm 0.05}$

$33.5^{\pm 0.05}$

2---$\phi 2.2^{+0.1}_{0}$
Not necessary if the
header is not secured with screws

2.3min.

$3.3^{\pm 0.05}$

$0.5^{\pm 0.05}$ (Pad pitch) $0.26^{\pm 0.035}$ (Pad width)

2---$\phi 1.65^{+0.05}_{0}$

Circuit No.35   Circuit No.34

$6.55^{\pm 0.05}$

$2.3^{\pm 0.05}$

Circuit No.1   Circuit No.68

6

2.3

$47^{\pm 0.05}$

Reverse type (Stand off 0mm)

$44.1^{\pm 0.05}$

$41.2^{\pm 0.05}$

$33.5^{\pm 0.05}$

2---$\phi 2.2^{+0.1}_{0}$
Not necessary if the
header is not secured with screws

2.3min.

$3.3^{\pm 0.05}$

$0.5^{\pm 0.05}$ (Pad pitch) $0.26^{\pm 0.035}$ (Pad width)

2---$\phi 1.65^{+0.05}_{0}$

Circuit No.34   Circuit No.35

$6.55^{\pm 0.05}$

$2.3^{\pm 0.05}$

Circuit No.68   Circuit No.1

6

2.3

$47^{\pm 0.05}$