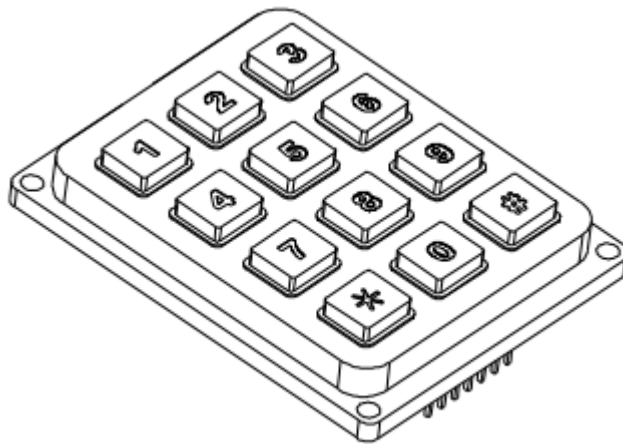


S512JBVB-SAM

User Guide



An ISO / IATF 16949 / 9001 / 13485 / 14001 / OHSAS 18001 Certificated Group

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- SAMWELL INTERNATIONAL INC.
- SAMTECH CORPORATION
- SAMBEST CORPORATION

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1. Electrical Specifications

1-1 Keypad Specification

- Contact rating (Per key) : DC 24V / 120mA max.
(Recommand) DC 12V / 60mA max.
- Contact resistance : 200 ohm max.
- Life cycle : 1,000,000 cycles per key
- Operating temperature : -20 °C to +60 °C
- Storage temperature : -40 °C to +65 °C

1-2 Pin Heater Specification

- Current rating : 1.0A
- Voltage rating : 250V AC
- Dielectric withstand voltage : 600V AC
- Insulation resistance : 1000M ohm min.
- Contact resistance : 0.015 ohm max.
- Temperature range : -25°C to +85 °C
- Pitch : 2.54mm

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2. Keyboard Matrix

	Pin1	Pin2	Pin3
Pin4	1	2	3
Pin5	4	5	6
Pin6	7	8	9
Pin7	*	0	#

- The following table describes the keys.

Key	Main Function
	Number 1
	Number 2
	Number 3
	Number 4
	Number 5
	Number 6
	Number 7
	Number 8
	Number 9
	Star key
	Number 0
	Pound key

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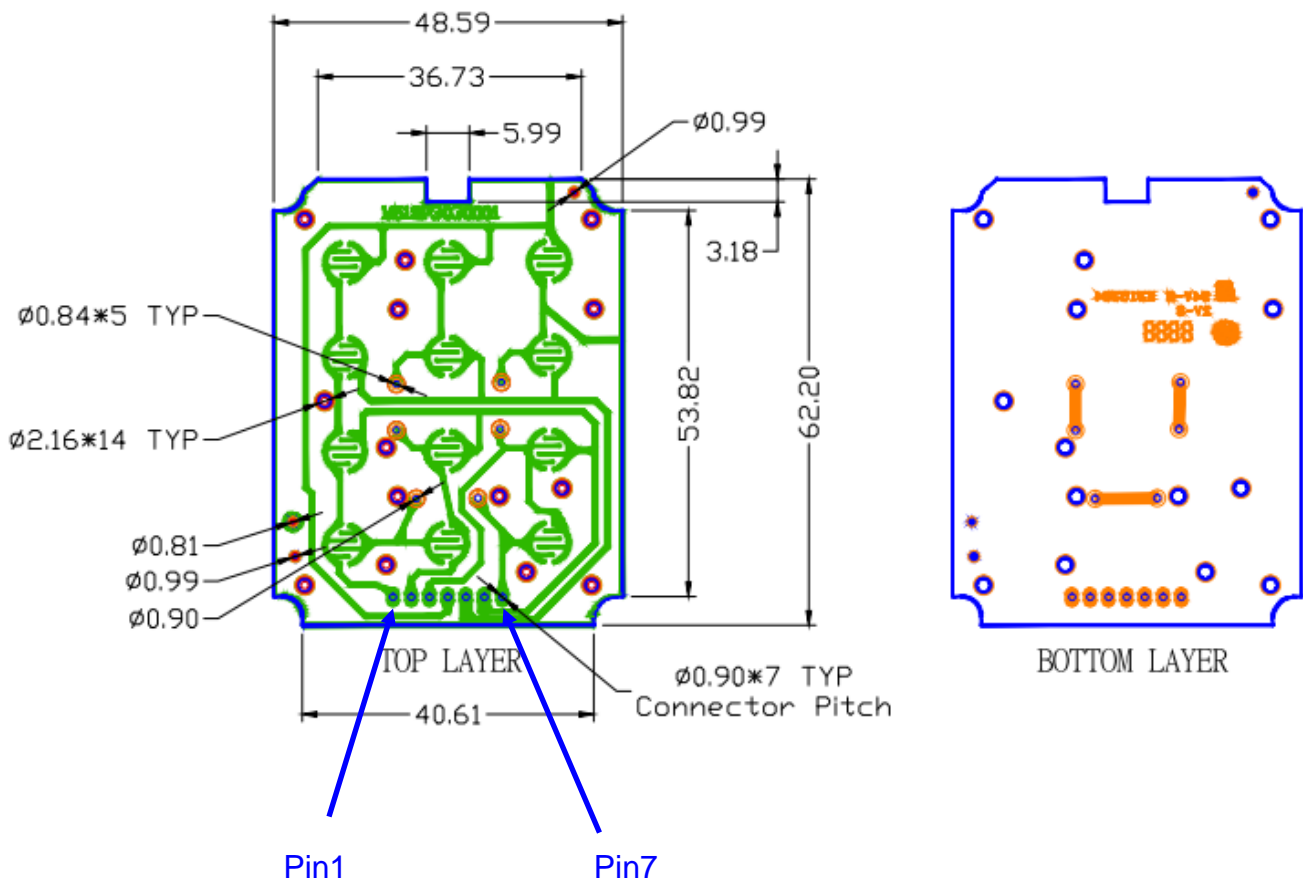
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3. PCB Layout



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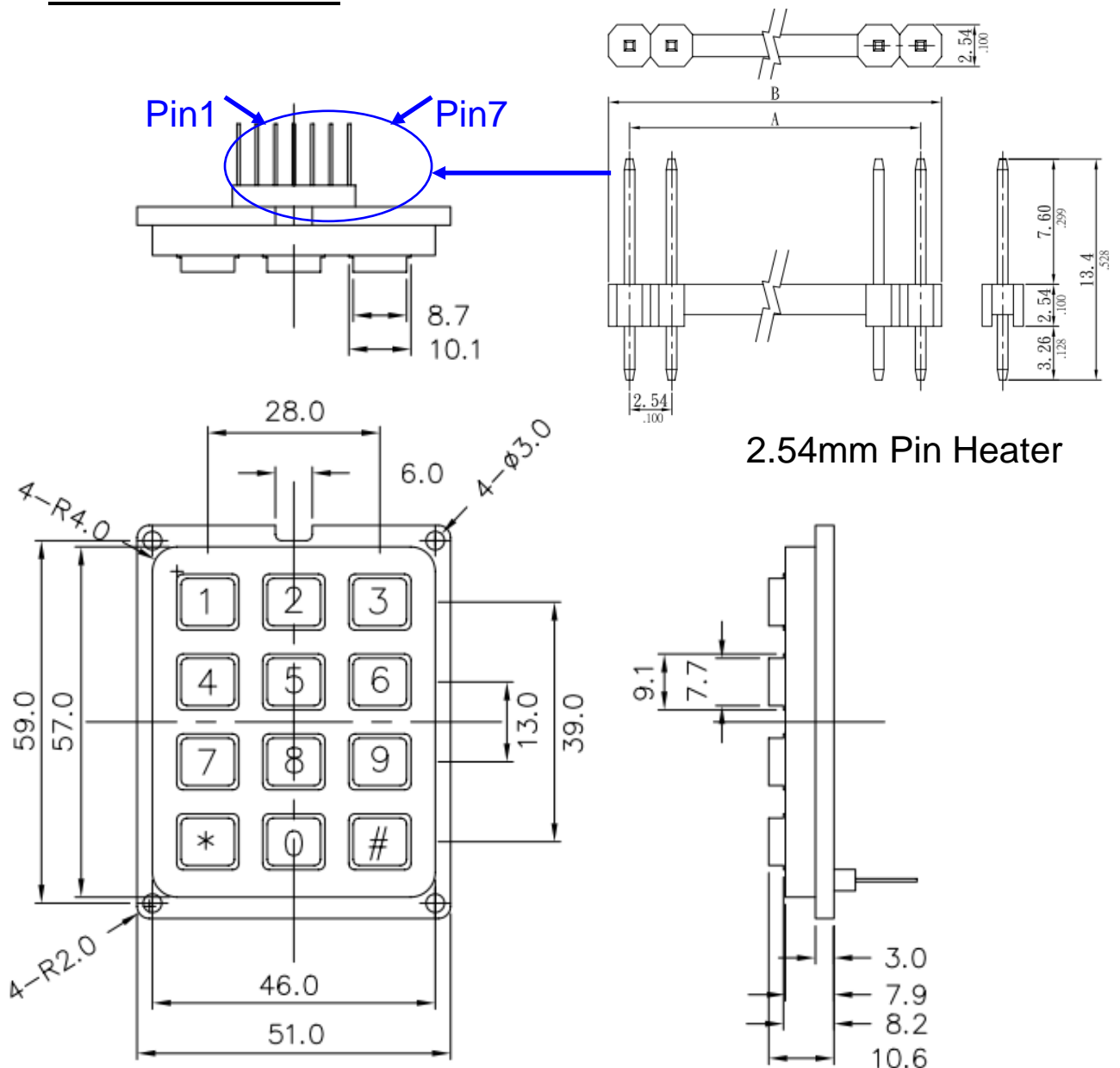
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4. Dimensions



Units:mm

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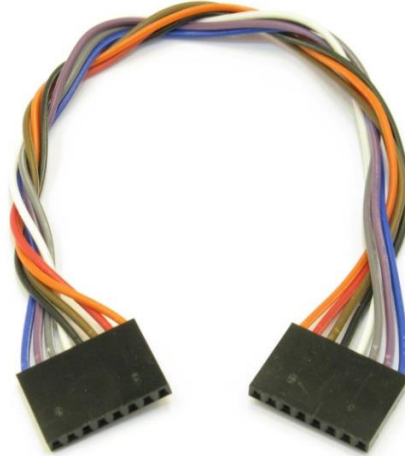
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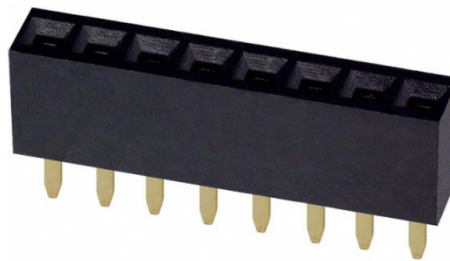

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5.Connection method

5-1 Use Cable to connect keypad to main board



5-2 Keypad direct install to connector on main board



2.54 mm single row pin header female
on main board.

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