

# Terminal Block, Header

## STB1001V-3.5-XX

### Description

The STB1001V-3.5-XX is a terminal block vertical header with 3.5 mm pitch. The connector is available from 2 up to 24 poles and optionally in a Horizontal orientation.



### Typical applications

- Wire to Board
- Board to Wire



### Features

Mechanical Properties	Description
Connector Type	Terminal Block
Orientation	Vertical
Dimensions	$((\text{Poles} - 1) * 3.5 + 0,80) \times 7.2 \times 9.2 \text{ mm} \pm 0.2$
Operating Temperature Range	-40°C~+105°C
Max temperature soldering	+250°C, for 5 sec.
Pitch	3.5 mm
Poles	2-24 Poles
Insulator body	PA66, UL94V-0
Pin header	Brass, Tin plated

# Terminal Block, Header

## STB1001V-3.5-XX

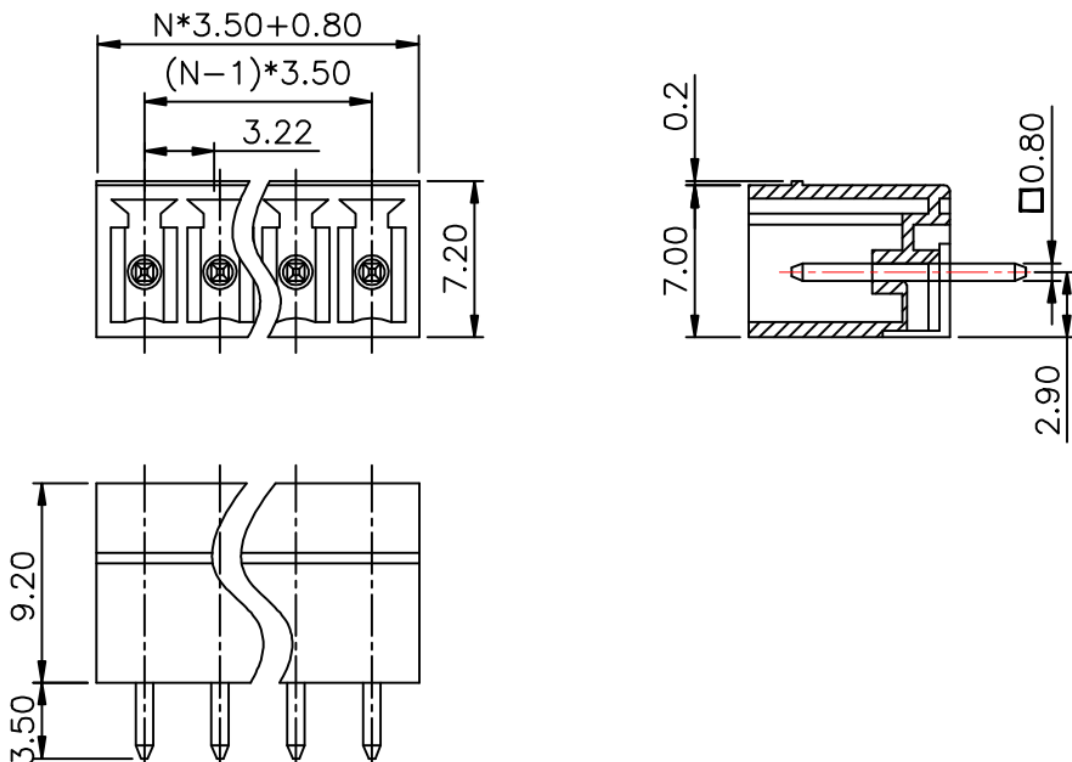
### Electrical Properties

### Description

Standard	UL	IEC
Rated Voltage	300V	250V
Rated Current	8A	7A
Contact Resistance	20mΩ (Max.)	
Insulation Resistance	500MΩ / 500V	
Withstanding Voltage	AC 1600V / 1Min.	

### Dimensions

\*unit: mm, N= number of poles

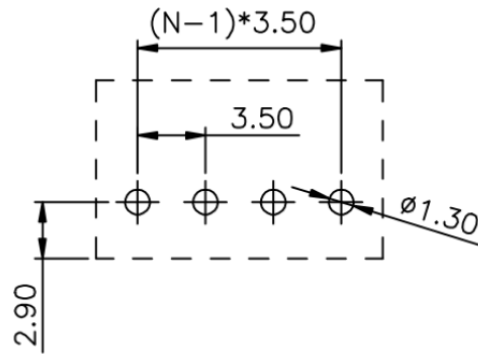


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### PCB Footprint

\*unit: mm , N = number of poles



<b>Pole</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
<b>Length</b>	7,8	11,3	14,8	18,3	21,8	25,3	28,8	32,3	35,8	39,3	42,8	46,3
<b>Pitch</b>	3,5	7	10,5	14	17,5	21	24,5	28	31,5	35	38,5	42
<b>Pole</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	
<b>Length</b>	49,8	53,3	56,8	60,3	63,8	67,3	70,8	74,3	77,8	81,3	121,5	
<b>Pitch</b>	45,5	49	52,5	56	59,5	63	66,5	70	73,5	77	80,5	

### Part number

#### STB1001X-XXX-XX

<b>STB1001</b>	Style of connector
<b>V</b>	Vertical
<b>3,5</b>	Pitch
<b>XX</b>	Poles
	2,3,4,5,6,7,8, 9,10, 11,12, 13,14,15,16,17,18,19,20, 21,22,23,24

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## Ordering information

Ordering can be done via [www.summit-electronics.com](http://www.summit-electronics.com) or via [info@summit-electronics.com](mailto:info@summit-electronics.com). Please contact us for more information. Customisation of the product is available on request.

## Technical support

For all product questions please contact us via [info@summit-electronics.com](mailto:info@summit-electronics.com)

## Document revision

Rev	Date	Changes
V01.00	06-04-2023	First issue of document