

# Terminal Block

## STB4040IH-5.08-XX

### Description

The STB4040IH-5.08-XX is a Screw Terminal Block to be mounted directly on a PCB. The connector is available from 2 up to 24 poles.



### Typical applications

- Wire to Board
- Board to Wire



### Features

Mechanical Properties	Description
Connector Type	Terminal Block
Dimensions	(Poles * 5.08) x 14.3 x 10.4 mm ± 0.2
Operating Temperature Range	-40°C~+105°C
Wire Range	30 - 12 AWG / 2.5 mm <sup>2</sup>
Cable stripping Length	6~7 mm
Rated Torque	0.4Nm (3.54 Lb. in)
Pitch	5.08 mm
Poles	2-24 Poles
Housing	PA66, UL94V-0
Screw	Steel, Ni plated
Contact	Copper Alloy, Sn plated
Cage	Copper Alloy, Ni plated

# Terminal Block

STB4040IH-5.08-XX

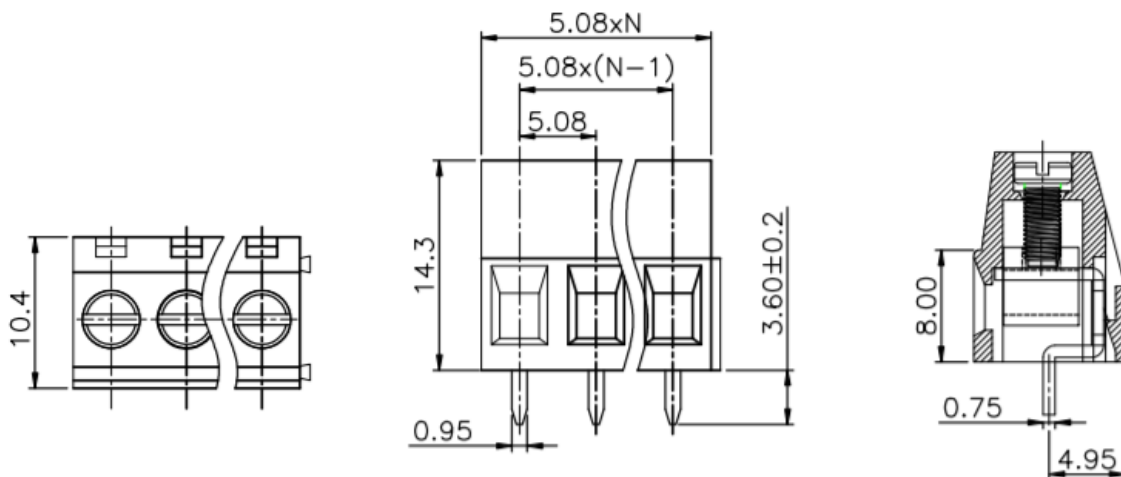
## Electrical Properties

## Description

Standard	UL	IEC
Rated Voltage	300V	250V
Rated Current	10A	18A
Contact Resistance	20mΩ (Max.)	
Insulation Resistance	500MΩ / 500V	
Withstanding Voltage	AC 1600V /Min.	

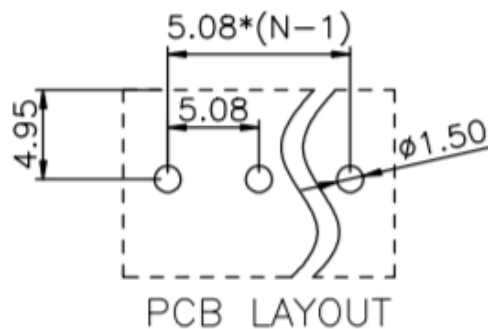
## Dimensions

\*unit: mm, N= number of poles



## PCB Footprint

\*unit: mm, N = number of poles



# Terminal Block

STB4040IH-5.08-XX

Pole	2	3	4	5	6	7	8	9	10	11	12	13
Length	10,2	15,2	20,3	25,4	30,5	35,6	40,6	45,7	50,8	55,9	61	66
Pitch	5,08	10,2	15,2	20,3	25,4	30,5	35,6	40,6	45,7	50,8	55,9	61

Pole	14	15	16	17	18	19	20	21	22	23	24
Length	71,1	76,2	81,3	86,4	91,4	96,5	101,6	106,7	111,8	116,8	121,9
Pitch	66	71,1	76,2	81,3	86,4	91,4	96,5	101,6	106,7	111,8	116,8

## Part number

STB4040IX-XXX-XX

STB4040I	Style of connector
H	Horizontal
5,08	Pitch
XX	Poles 2,3,4,5,6,7,8, 9,10, 11,12, 13,14,15,16,17,18,19,20, 21,22,23,24

## 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