



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



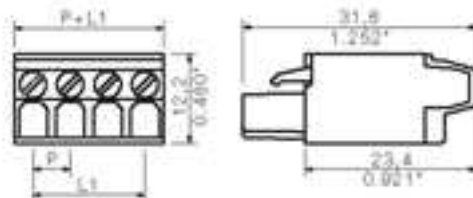
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





#### General ordering data

Order No.	1500160000
Part designation	BLT 5.08/8 SN OR
Version	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box
EAN	4008190099152
Qty.	50 pc(s).

#### System parameters

Conductor connection system	TOP connection
Outgoing direction of conductor	180°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	8
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5
Stripping length	13 mm
L1 in mm	35.56 mm
L1 in inch	1.4 inch
Electric shock protection to DIN VDE 0470	Safe from finger touch

#### Material data

Insulating material	PBT
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 200
Contact base material	CuSn
Contact surface	tinned

## Material data

### Connectable conductors

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>
AWG, min.	26
AWG, max.	14
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>
Gauge to EN 60999 a x b; ø	2.4 mm x 1.5 mm ; 2.4 mm

### DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	17 A
Rated current, max. No. pins (Tu=20°C)	14 A
Rated current, min. No. pins (Tu=40°C)	15 A
Rated current, max. No. pins (Tu=40°C)	11.5 A
Rated voltage for overvoltage class/pollution severity II/2	400 V
Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage for overvoltage class/pollution severity III/3	250 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
Short-time withstand current resistance	3 x 1s with 100 A

### CSA rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor (field wiring), min.	26
AWG conductor (field wiring), max.	14

### UL 1059 rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	26
AWG conductor, max.	14

## Approvals

Approvals institutes



## Classifications

ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-04

## Similar products

Order No.	Part designation	Version
1499560000	BLT 5.08/2 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1499510000	BLT 5.08/2 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1499660000	BLT 5.08/3 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1499610000	BLT 5.08/3 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1499760000	BLT 5.08/4 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1499710000	BLT 5.08/4 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1499860000	BLT 5.08/5 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box
1499810000	BLT 5.08/5 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box

1499960000	BLT 5.08/6 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1499910000	BLT 5.08/6 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1500060000	BLT 5.08/7 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1500010000	BLT 5.08/7 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1500110000	BLT 5.08/8 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box
1500260000	BLT 5.08/9 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1500210000	BLT 5.08/9 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1500360000	BLT 5.08/10 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1500310000	BLT 5.08/10 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1500460000	BLT 5.08/11 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1500410000	BLT 5.08/11 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1500560000	BLT 5.08/12 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1500510000	BLT 5.08/12 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1500660000	BLT 5.08/13 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1500610000	BLT 5.08/13 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1500760000	BLT 5.08/14 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1500710000	BLT 5.08/14 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box

1500860000	BLT 5.08/15 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box
1500810000	BLT 5.08/15 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box
1500960000	BLT 5.08/16 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1500910000	BLT 5.08/16 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1501060000	BLT 5.08/17 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 180°, Box
1501010000	BLT 5.08/17 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 180°, Box
1501160000	BLT 5.08/18 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 180°, Box
1501110000	BLT 5.08/18 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 180°, Box
1501260000	BLT 5.08/19 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 180°, Box
1501210000	BLT 5.08/19 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 180°, Box
1501360000	BLT 5.08/20 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 180°, Box
1501310000	BLT 5.08/20 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 180°, Box
1501460000	BLT 5.08/21 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 180°, Box
1501410000	BLT 5.08/21 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 180°, Box
1501560000	BLT 5.08/22 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 180°, Box
1501510000	BLT 5.08/22 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 180°, Box
1501660000	BLT 5.08/23 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 180°, Box

1501610000	BLT 5.08/23 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 180°, Box
1501760000	BLT 5.08/24 SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 180°, Box
1501710000	BLT 5.08/24 SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 180°, Box