



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!



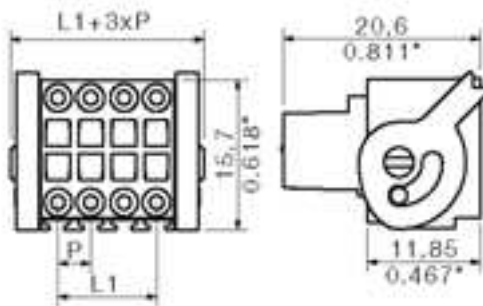
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General ordering data

Order No.	1748520000
Part designation	B2L 3.5/12 LH SN SW
Version	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 12, 180°, Box
EAN	4032248038237
Qty.	50 pc(s).

System parameters

Conductor connection system	Tension clamp connection
Outgoing direction of conductor	180°
Pitch	3.5 mm
Pitch in inch	0.138 inch
No. of poles	12
No. of rows	2
Stripping length	7 mm
L1 in mm	17.5 mm
L1 in inch	0.689 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data

Insulating material	PBT
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 200
Contact base material	Copper alloy
Contact surface	tinned

Connectable conductors

Clamping range, min.	0.08 mm ²
Clamping range, max.	1 mm ²
AWG, min.	28
AWG, max.	18
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	1 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	1 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.13 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	0.34 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.13 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	0.34 mm ²

DIN IEC rating data

Rated voltage for overvoltage class/pollution severity II/2	250 V
Rated voltage for overvoltage class/pollution severity III/2	125 V
Rated voltage for overvoltage class/pollution severity III/3	80 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2.5 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2.5 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 kV
Short-time withstand current resistance	3 x 1s with 77 A

CSA rating data

Rated voltage (Use group D)	50 V
Rated current (Use group D)	5 A
AWG conductor (field wiring), min.	28
AWG conductor (field wiring), max.	18

UL 1059 rating data

Rated voltage (Use group D)	150 V
Rated current (Use group D)	10 A
AWG conductor, min.	22
AWG conductor, max.	16

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	27-26-07-01

Similar products

Order No.	Part designation	Version
1001280000	B2L 3.5/4LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 4, 180°, Box
1001290000	B2L 3.5/4LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 4, 180°, Box
1748330000	B2L 3.5/6 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 6, 180°, Box
1748490000	B2L 3.5/6 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 6, 180°, Box
1748340000	B2L 3.5/8 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 8, 180°, Box
1748500000	B2L 3.5/8 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 8, 180°, Box
1748350000	B2L 3.5/10 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 10, 180°, Box
1748510000	B2L 3.5/10 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 10, 180°, Box
1748360000	B2L 3.5/12 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 12, 180°, Box
1748370000	B2L 3.5/14 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 14, 180°, Box
1748530000	B2L 3.5/14 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 14, 180°, Box

1748380000	B2L 3.5/16 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 16, 180°, Box
1748540000	B2L 3.5/16 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 16, 180°, Box
1748390000	B2L 3.5/18 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 18, 180°, Box
1748550000	B2L 3.5/18 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 18, 180°, Box
1748400000	B2L 3.5/20 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 20, 180°, Box
1748560000	B2L 3.5/20 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 20, 180°, Box
1748410000	B2L 3.5/22 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 22, 180°, Box
1748570000	B2L 3.5/22 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 22, 180°, Box
1748420000	B2L 3.5/24 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 24, 180°, Box
1748580000	B2L 3.5/24 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 24, 180°, Box
1748430000	B2L 3.5/26 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 26, 180°, Box
1748590000	B2L 3.5/26 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 26, 180°, Box
1748440000	B2L 3.5/28 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 28, 180°, Box
1748600000	B2L 3.5/28 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 28, 180°, Box
1748450000	B2L 3.5/30 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 30, 180°, Box
1748610000	B2L 3.5/30 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 30, 180°, Box
1748460000	B2L 3.5/32 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 32, 180°, Box

1748620000	B2L 3.5/32 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 32, 180°, Box
1748470000	B2L 3.5/34 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 34, 180°, Box
1748630000	B2L 3.5/34 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 34, 180°, Box
1748480000	B2L 3.5/36 LH SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 36, 180°, Box
1748640000	B2L 3.5/36 LH SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, No. of poles: 36, 180°, Box