



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!



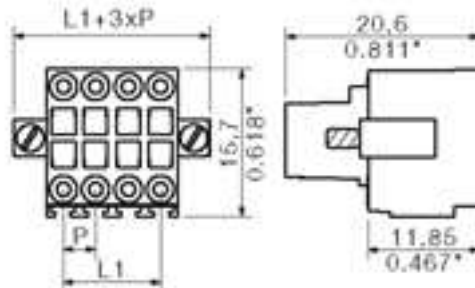
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General ordering data

Order No.	1748080000
Part designation	B2L 3.5/20 F SN OR
Version	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
EAN	4032248036806
Qty.	20 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	20
No. of rows	2
Stripping length	7 mm
L1 in mm	31.5 mm
L1 in inch	1.24 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	orange
colour chart	Similar to RAL 2000
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
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Connectable conductors

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

Classifications

eClass 5.1

27-26-07-01

Similar products

Order No.	Part designation	Version
1001260000	B2L3.5/04F 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
1001270000	B2L3.5/04F 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
1748010000	B2L 3.5/6 F 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
1748170000	B2L 3.5/6 F 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
1748020000	B2L 3.5/8 F 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
1748180000	B2L 3.5/8 F 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
1748030000	B2L 3.5/10 F 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
1748190000	B2L 3.5/10 F 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
1748040000	B2L 3.5/12 F 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
1748200000	B2L 3.5/12 F SN SW	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
1748050000	B2L 3.5/14 F 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
1748210000	B2L 3.5/14 F 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
1748220000	B2L 3.5/16 F 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
1748060000	B2L 3.5/16 F 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

1748070000	B2L 3.5/18 F 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
1748230000	B2L 3.5/18 F 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
1748240000	B2L 3.5/20 F 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
1748090000	B2L 3.5/22 F 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
1748250000	B2L 3.5/22 F 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
1748100000	B2L 3.5/24 F 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
1748260000	B2L 3.5/24 F 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
1748110000	B2L 3.5/26 F 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
1748270000	B2L 3.5/26 F 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
1748120000	B2L 3.5/28 F 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
1748280000	B2L 3.5/28 F 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
1748130000	B2L 3.5/30 F 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
1748290000	B2L 3.5/30 F 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
1748140000	B2L 3.5/32 F 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
1748300000	B2L 3.5/32 F 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
1748150000	B2L 3.5/34 F 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
1748310000	B2L 3.5/34 F 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

1748160000	B2L 3.5/36 F 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
1748320000	B2L 3.5/36 F 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