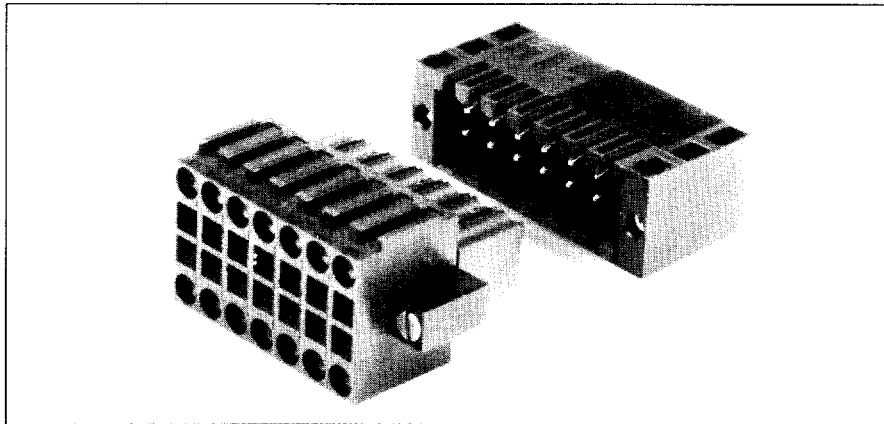


**NEW**

## B2L/S2L High Density 3.5mm Connectors



### Introduction

As a result of tension clamp technology and a patented enclosure design, the B2L/S2L PCB connector family offers the highest contact density for single wiring without special tools of any product in the industry. With two connection rows in one housing, it doubles the density available with standard 3.5 mm pitch systems.

The B2L/S2L is available in 6- to 24-pole versions. It has a wire size range of #28 to 18 AWG and is UL rated at 50 volts and 5 amps.

### Features

- Double row design
- Closed end headers and coding available
- LED indicators available

### Benefits

- Almost doubles the density of standard 3.5 mm connectors
- Prevents connection misalignments
- Easier circuit monitoring

Technical Data	UL	CSA	VDE
Rated Voltage	50V	50V	50V
Rated Current	5A	5A	7.5A
Wire Size	#28 to 18 AWG	#28 to 18 AWG	1.0mm <sup>2</sup>
Pitch/Row Distance	3.50mm/2.50mm		
Strip Length	7mm		
Insulation Resistance	≥ 10 <sup>8</sup> ohms		
Through Resistance	≥ 5 ohms		
Molding Material	PBT		
Flammability Class	UL 94 V-0		
Color	Black		
Temperature Range	-20°C to +100°C		
Contact	CuSn		
Plating	Tin		
Connection	Tension clamp		

**For more information  
contact:**

### Weidmuller Inc.

USA:

Telephone (800) 849-9343

Facsimile (804) 379-2593

CANADA:

Telephone (800) 268-4080

Facsimile (905) 475-2798

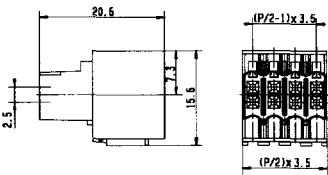
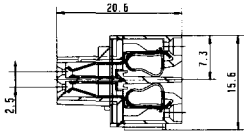


ISO 9001  
A2025

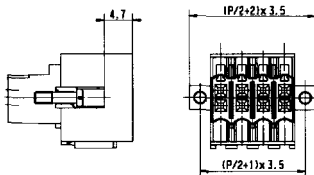
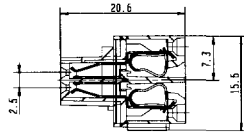
# B2L/S2L

## Printed Circuit Board Connectors

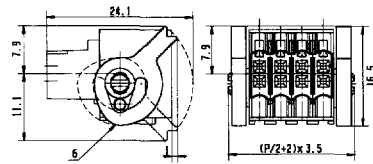
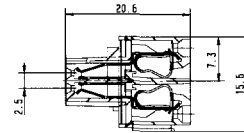
**B2L 3.50**  
Tension Clamp  
180° Orientation  
Non-Locking



**B2L 3.50 F**  
Tension Clamp  
180° Orientation  
Locking



**B2L 3.50 LH**  
Tension Clamp  
180° Orientation  
Non-Locking  
Quick Release



Poles	Type	Part No.
6	B2L 3.5/6 BK	172764
8	B2L 3.5/8 BK	172765
10	B2L 3.5/10 BK	172766
12	B2L 3.5/12 BK	172767
14	B2L 3.5/14 BK	172768
16	B2L 3.5/16 BK	172769
18	B2L 3.5/18 BK	172770
20	B2L 3.5/20 BK	172771
22	B2L 3.5/22 BK	174793
24	B2L 3.5/24 BK	174794

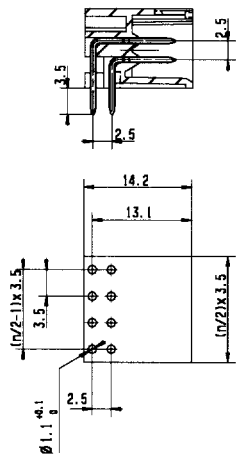
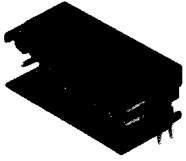
Poles	Type	Part No.
6	B2L 3.5/6 F BK	174817
8	B2L 3.5/8 F BK	174818
10	B2L 3.5/10 F BK	174819
12	B2L 3.5/12 F BK	174820
14	B2L 3.5/14 F BK	174821
16	B2L 3.5/16 F BK	174822
18	B2L 3.5/18 F BK	174823
20	B2L 3.5/20 F BK	174824
22	B2L 3.5/22 F BK	174825
24	B2L 3.5/24 F BK	174826

Poles	Type	Part No.
6	B2L 3.5/6 LH BK	174849
8	B2L 3.5/8 LH BK	174850
10	B2L 3.5/10 LH BK	174851
12	B2L 3.5/12 LH BK	174852
14	B2L 3.5/14 LH BK	174853
16	B2L 3.5/16 LH BK	174854
18	B2L 3.5/18 LH BK	174855
20	B2L 3.5/20 LH BK	174856
22	B2L 3.5/22 LH BK	174857
24	B2L 3.5/24 LH BK	174858

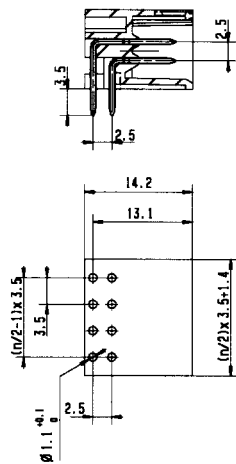
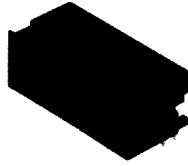
# B2L/S2L

## Printed Circuit Board Connectors

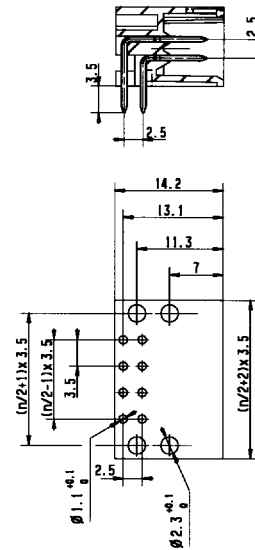
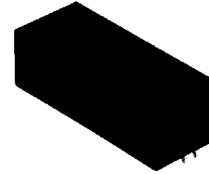
**S2L 3.50/90**  
 Double Row  
 90° Orientation  
 Open End  
 Non-Locking



**S2L 3.50/90 G**  
 Double Row  
 90° Orientation  
 Closed End  
 Non-Locking



**S2L 3.50/90 F**  
 Double Row  
 90° Orientation  
 Closed End  
 Locking

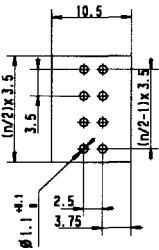
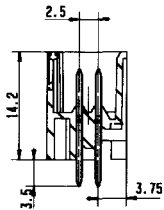
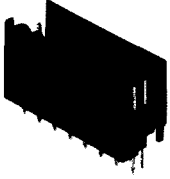


Poles	Type	Part No.	Poles	Type	Part No.	Poles	Type	Part No.
6	S2L 3.5/6/90 BK	172831	6	S2L 3.5/6/90 G BK	172799	6	S2L 3.5/6/90 F BK	172863
8	S2L 3.5/8/90 BK	172832	8	S2L 3.5/8/90 G BK	172800	8	S2L 3.5/8/90 F BK	172864
10	S2L 3.5/10/90 BK	172833	10	S2L 3.5/10/90 G BK	172801	10	S2L 3.5/10/90 F BK	172865
12	S2L 3.5/12/90 BK	172834	12	S2L 3.5/12/90 G BK	172802	12	S2L 3.5/12/90 F BK	172866
14	S2L 3.5/14/90 BK	172835	14	S2L 3.5/14/90 G BK	172803	14	S2L 3.5/14/90 F BK	172867
16	S2L 3.5/16/90 BK	172836	16	S2L 3.5/16/90 G BK	172804	16	S2L 3.5/16/90 F BK	172868
18	S2L 3.5/18/90 BK	172837	18	S2L 3.5/18/90 G BK	172805	18	S2L 3.5/18/90 F BK	172869
20	S2L 3.5/20/90 BK	172838	20	S2L 3.5/20/90 G BK	172806	20	S2L 3.5/20/90 F BK	172870
22	S2L 3.5/22/90 BK	172839	22	S2L 3.5/22/90 G BK	172807	22	S2L 3.5/22/90 F BK	172871
24	S2L 3.5/24/90 BK	172840	24	S2L 3.5/24/90 G BK	172808	24	S2L 3.5/24/90 F BK	172872

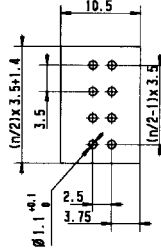
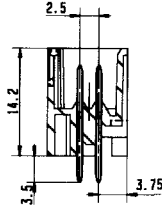
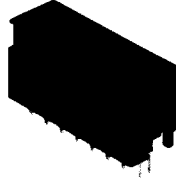
# B2L/S2L

## Printed Circuit Board Connectors

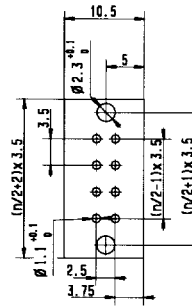
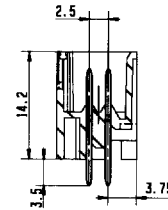
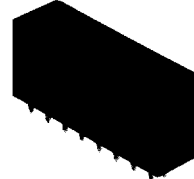
**S2L 3.50/180**  
 Double Row  
 180° Orientation  
 Open End  
 Non-Locking



**S2L 3.50/180 G**  
 Double Row  
 180° Orientation  
 Closed End  
 Non-Locking



**S2L 3.50/180 F**  
 Double Row  
 180° Orientation  
 Closed End  
 Locking



Poles	Type	Part No.	Poles	Type	Part No.	Poles	Type	Part No.
6	S2L 3.5/6/180 BK	172927	6	S2L 3.5/6/180 G BK	172895	6	S2L 3.5/6/180 F BK	172959
8	S2L 3.5/8/180 BK	172928	8	S2L 3.5/8/180 G BK	172896	8	S2L 3.5/8/180 F BK	172960
10	S2L 3.5/10/180 BK	172929	10	S2L 3.5/10/180 G BK	172897	10	S2L 3.5/10/180 F BK	172961
12	S2L 3.5/12/180 BK	172930	12	S2L 3.5/12/180 G BK	172898	12	S2L 3.5/12/180 F BK	172962
14	S2L 3.5/14/180 BK	172931	14	S2L 3.5/14/180 G BK	172899	14	S2L 3.5/14/180 F BK	172963
16	S2L 3.5/16/180 BK	172932	16	S2L 3.5/16/180 G BK	172900	16	S2L 3.5/16/180 F BK	172964
18	S2L 3.5/18/180 BK	172933	18	S2L 3.5/18/180 G BK	172901	18	S2L 3.5/18/180 F BK	172965
20	S2L 3.5/20/180 BK	172934	20	S2L 3.5/20/180 G BK	172902	20	S2L 3.5/20/180 F BK	172966
22	S2L 3.5/22/180 BK	172935	22	S2L 3.5/22/180 G BK	172903	22	S2L 3.5/22/180 F BK	172967
24	S2L 3.5/24/180 BK	172936	24	S2L 3.5/24/180 G BK	172904	24	S2L 3.5/24/180 F BK	172968