

Omnimate Range - Pitch 5.00 mm and 5.08 mm

The **Omnimate Range** offers a free choice of the connecting technique. Everything is possible with the socket blocks and pin plugs: leaf spring, clamping yoke, tension clamp, TOP, crimp, and IDC connections.

This versatility brings substantial benefits: You design your printed circuit board with a 3.5/5/7mm pitch component and are able to combine different field connections with it – as it is required by end customers and market.

The comprehensive assortment of pin headers and socket blocks, the multitude of different angles between pcb, connectors and conductors in the field, and the large selection of accessories permit the **Omnimate Range** to be used in a variety of applications.

For example: motor control, free wiring of initiators and actuators, in interface elements or in power supply units.

Product features overview:

- free selection of the connecting technique
- easy to use
- end-to-end stacking without loss of pitch
- thermoplastic polyester (PBT), or Liquid Crystal Polymer (LCP) is used as insulation material that is flame-resistant according to UL 94 V-0
- large selection of accessories

With our socket blocks and pin headers in **5.00 mm and 5.08 mm pitch** Weidmüller offers the largest variety of connection techniques than any other connector manufacturer. Leaf spring, clamping yoke, tension clamp, TOP, crimp, and IDC-connection.

The socket blocks can be combined with all single and double-level pin headers with conductor angle of 90°, 135° and 180°. And, of course, with our innovative **SL-SMT 5.00/5.08 pin headers** (Through-Hole-Reflow).

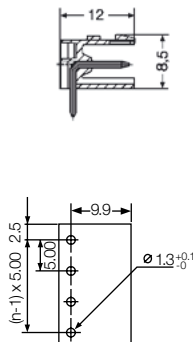
5.00/5.08 mm pitch:

- all pin headers and socket blocks can be combined as required
- two pitch dimensions:
5.00 mm (metric)
5.08 mm (0.2 inch, imperial)
- voltages up to 250 V,
currents up to 12 A,
conductor cross-sections up to 2.5 mm²

Omnimate Range - Pitch 5.00 mm



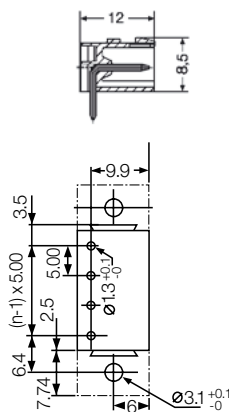
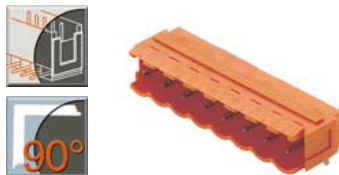
Pin headers SL 5.00/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	12	10	10

*Overvoltage category III / Pollution severity 3
Additional technical data see page 216

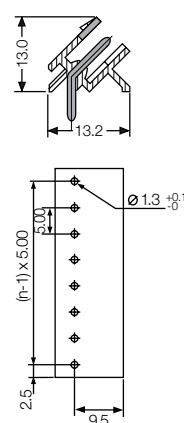
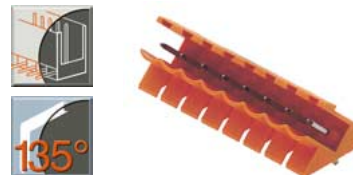
Pin headers SL 5.00/90B



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	12	10	10

*Overvoltage category III / Pollution severity 3
Additional technical data see page 216

Pin headers SL 5.00/135



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	12	10	10

*Overvoltage category III / Pollution severity 3
Additional technical data see page 216

Solder pin length

3.2 mm

4.5 mm

Colour

Poles	Type	Cat. No.	Cat. No.	Qty.
2	SL 5.00/2/90	1571130000	1625990000	100
3	SL 5.00/3/90	1571140000	1626000000	100
4	SL 5.00/4/90	1571150000	1626010000	100
5	SL 5.00/5/90	1571160000	1626020000	50
6	SL 5.00/6/90	1571170000	1596180000	50
7	SL 5.00/7/90	1571180000	1626030000	50
8	SL 5.00/8/90	1571190000	1626040000	50
9	SL 5.00/9/90	1571200000	1626050000	50
10	SL 5.00/10/90	1571210000	1626060000	50
11	SL 5.00/11/90	1571220000	1626070000	50
12	SL 5.00/12/90	1571110000	1626080000	50
13	SL 5.00/13/90	1571230000	1626090000	50
14	SL 5.00/14/90	1571240000	1626100000	50
15	SL 5.00/15/90	1571250000	1626110000	50
16	SL 5.00/16/90	1571260000	1626120000	50
17	SL 5.00/17/90	1571270000	1626130000	20
18	SL 5.00/18/90	1571280000	1626140000	20
19	SL 5.00/19/90	1571290000	1626150000	20
20	SL 5.00/20/90	1571300000	1626160000	20
21	SL 5.00/21/90	1571310000	1626170000	20
22	SL 5.00/22/90	1571320000	1626180000	20
23	SL 5.00/23/90	1571330000	1626190000	20
24	SL 5.00/24/90	1571340000	1626200000	20

Solder pin length

3.2 mm

4.5 mm

Colour

Poles	Type	Cat. No.	Cat. No.	Qty.
2	SL 5.00/2/90B	1580860000	1626210000	100
3	SL 5.00/3/90B	1580870000	1626220000	100
4	SL 5.00/4/90B	1580880000	1596150000	100
5	SL 5.00/5/90B	1580890000	1626230000	50
6	SL 5.00/6/90B	1580900000	1626240000	50
7	SL 5.00/7/90B	1580910000	1596160000	50
8	SL 5.00/8/90B	1580920000	1626250000	50
9	SL 5.00/9/90B	1580930000	1626260000	50
10	SL 5.00/10/90B	1580940000	1596170000	50
11	SL 5.00/11/90B	1580950000	1626270000	50
12	SL 5.00/12/90B	1580960000	1603320000	50
13	SL 5.00/13/90B	1580970000	1626280000	50
14	SL 5.00/14/90B	1580980000	1626290000	50
15	SL 5.00/15/90B	1580990000	1626300000	50
16	SL 5.00/16/90B	1581000000	1603330000	50
17	SL 5.00/17/90B	1581010000	1626310000	20
18	SL 5.00/18/90B	1581020000	1626320000	20
19	SL 5.00/19/90B	1581030000	1626330000	20
20	SL 5.00/20/90B	1581040000	1626340000	20
21	SL 5.00/21/90B	1581050000	1626350000	20
22	SL 5.00/22/90B	1581060000	1626360000	20
23	SL 5.00/23/90B	1581070000	1626370000	20
24	SL 5.00/24/90B	1581080000	1626380000	20

Solder pin length

3.2 mm

4.5 mm

Colour

Poles	Type	Cat. No.	Cat. No.	Qty.
2	SL 5.00/2/135	1630250000	1630820000	100
3	SL 5.00/3/135	1630260000	1630830000	100
4	SL 5.00/4/135	1630270000	1630840000	100
5	SL 5.00/5/135	1630280000	1630850000	50
6	SL 5.00/6/135	1630290000	1630860000	50
7	SL 5.00/7/135	1630300000	1630870000	50
8	SL 5.00/8/135	1630310000	1630880000	50
9	SL 5.00/9/135	1630320000	1630890000	50
10	SL 5.00/10/135	1630330000	1630900000	50
11	SL 5.00/11/135	1630340000	1630910000	50
12	SL 5.00/12/135	1630350000	1630920000	50
13	SL 5.00/13/135	1630360000	1630930000	50
14	SL 5.00/14/135	1630370000	1630940000	50
15	SL 5.00/15/135	1630380000	1630950000	50
16	SL 5.00/16/135	1630390000	1630960000	50
17	SL 5.00/17/135	1630400000	1630970000	20
18	SL 5.00/18/135	1630410000	1630980000	20
19	SL 5.00/19/135	1630420000	1630990000	20
20	SL 5.00/20/135	1630430000	1631000000	20
21	SL 5.00/21/135	1630440000	1631010000	20
22	SL 5.00/22/135	1630450000	1631020000	20
23	SL 5.00/23/135	1630460000	1631030000	20
24	SL 5.00/24/135	1630470000	1631040000	20

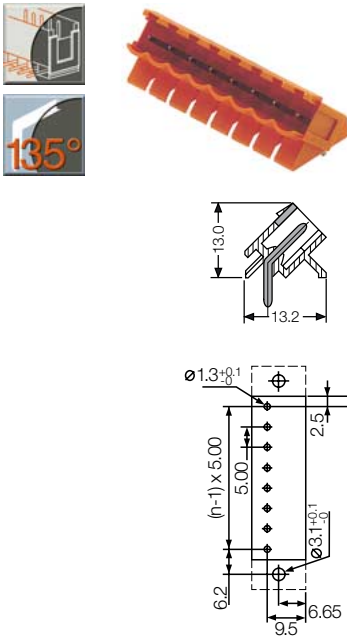
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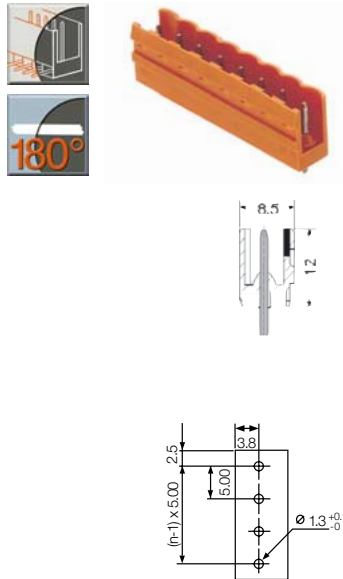
Pin headers SL 5.00/135B



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	12	10	10

*Overvoltage category III / Pollution severity 3
Additional technical data see page 216

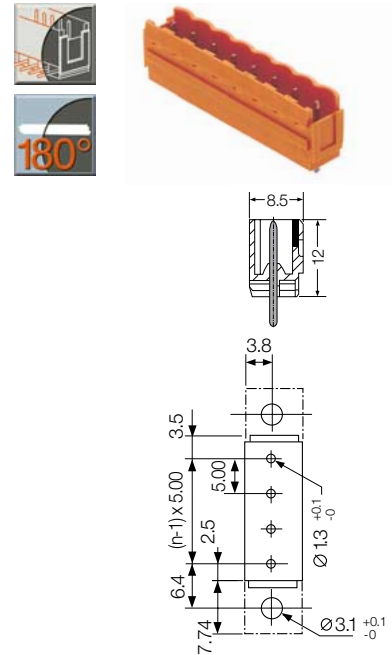
Pin headers SL 5.00/180



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	12	10	10

*Overvoltage category III / Pollution severity 3
Additional technical data see page 216

Pin headers SL 5.00/180B



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	12	10	10

*Overvoltage category III / Pollution severity 3
Additional technical data see page 216

Solder pin length		3.2 mm	4.5 mm		
Colour		●	●		
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	SL 5.00/2/135B	1630480000	1631050000	100	
3	SL 5.00/3/135B	1630490000	1631060000	100	
4	SL 5.00/4/135B	1630500000	1631070000	100	
5	SL 5.00/5/135B	1630510000	1631080000	50	
6	SL 5.00/6/135B	1630520000	1631090000	50	
7	SL 5.00/7/135B	1630530000	1631100000	50	
8	SL 5.00/8/135B	1630540000	1631110000	50	
9	SL 5.00/9/135B	1630550000	1631120000	50	
10	SL 5.00/10/135B	1630560000	1631130000	50	
11	SL 5.00/11/135B	1630570000	1631140000	50	
12	SL 5.00/12/135B	1630580000	1631150000	50	
13	SL 5.00/13/135B	1630590000	1631160000	50	
14	SL 5.00/14/135B	1630600000	1631170000	50	
15	SL 5.00/15/135B	1630610000	1631180000	50	
16	SL 5.00/16/135B	1630620000	1631190000	50	
17	SL 5.00/17/135B	1630630000	1631200000	20	
18	SL 5.00/18/135B	1630640000	1631210000	20	
19	SL 5.00/19/135B	1630650000	1631220000	20	
20	SL 5.00/20/135B	1630660000	1631230000	20	
21	SL 5.00/21/135B	1630670000	1631240000	20	
22	SL 5.00/22/135B	1630680000	1631250000	20	
23	SL 5.00/23/135B	1630690000	1631260000	20	
24	SL 5.00/24/135B	1630700000	1631270000	20	

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Solder pin length		3.2 mm	4.5 mm		
Colour		●	●		
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	SL 5.00/2/180	1581320000	1626390000	100	
3	SL 5.00/3/180	1581330000	1626400000	100	
4	SL 5.00/4/180	1581340000	1626410000	100	
5	SL 5.00/5/180	1581350000	1626420000	50	
6	SL 5.00/6/180	1581360000	1626430000	50	
7	SL 5.00/7/180	1581370000	1626440000	50	
8	SL 5.00/8/180	1581380000	1626450000	50	
9	SL 5.00/9/180	1581390000	1626460000	50	
10	SL 5.00/10/180	1581400000	1626470000	50	
11	SL 5.00/11/180	1581410000	1626480000	50	
12	SL 5.00/12/180	1581420000	1626490000	50	
13	SL 5.00/13/180	1581430000	1626500000	50	
14	SL 5.00/14/180	1581440000	1626510000	50	
15	SL 5.00/15/180	1581450000	1626520000	50	
16	SL 5.00/16/180	1581460000	1626530000	50	
17	SL 5.00/17/180	1581470000	1626540000	20	
18	SL 5.00/18/180	1581480000	1626550000	20	
19	SL 5.00/19/180	1581490000	1626560000	20	
20	SL 5.00/20/180	1581500000	1626570000	20	
21	SL 5.00/21/180	1581510000	1626580000	20	
22	SL 5.00/22/180	1581520000	1626590000	20	
23	SL 5.00/23/180	1581530000	1626600000	20	
24	SL 5.00/24/180	1581540000	1626610000	20	

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Solder pin length		3.2 mm	4.5 mm		
Colour		●	●		
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	SL 5.00/2/180B	1581780000	1626620000	100	
3	SL 5.00/3/180B	1581790000	1626630000	100	
4	SL 5.00/4/180B	1581800000	1596130000	100	
5	SL 5.00/5/180B	1581810000	1626640000	50	
6	SL 5.00/6/180B	1581820000	1626650000	50	
7	SL 5.00/7/180B	1581830000	1626660000	50	
8	SL 5.00/8/180B	1581840000	1596140000	50	
9	SL 5.00/9/180B	1581850000	1626670000	50	
10	SL 5.00/10/180B	1581860000	1626680000	50	
11	SL 5.00/11/180B	1581870000	1626690000	50	
12	SL 5.00/12/180B	1581880000	1603310000	50	
13	SL 5.00/13/180B	1581890000	1626700000	50	
14	SL 5.00/14/180B	1581900000	1626710000	50	
15	SL 5.00/15/180B	1581910000	1626720000	50	
16	SL 5.00/16/180B	1581920000	1626730000	50	
17	SL 5.00/17/180B	1581930000	1626740000	20	
18	SL 5.00/18/180B	1581940000	1626750000	20	
19	SL 5.00/19/180B	1581950000	1626760000	20	
20	SL 5.00/20/180B	1581960000	1626770000	20	
21	SL 5.00/21/180B	1581970000	1626780000	20	
22	SL 5.00/22/180B	1581980000	1626790000	20	
23	SL 5.00/23/180B	1581990000	1626800000	20	
24	SL 5.00/24/180B	1582000000	1626810000	20	

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