

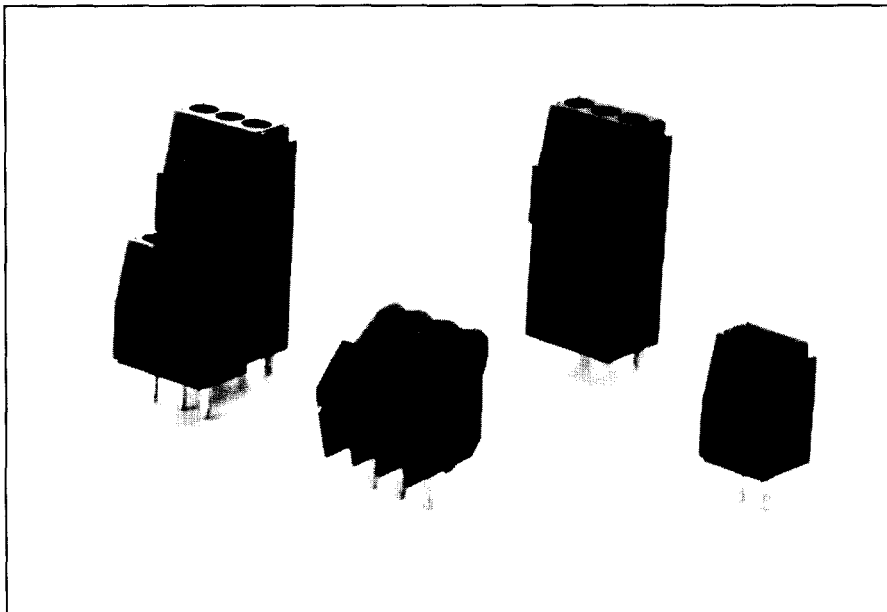
Weidmüller

The Interface Partner

Printed
Circuit
Board
Products

NEW

LM 3.50 Terminal Blocks



Introduction

When space for a terminal block on a printed circuit board is limited, the new LM 3.50 terminal blocks are the ideal choice. With the small 3.50 mm pitch providing high density connections, the LM 3.50 occupies about 45% less board space compared with conventional 5.00 and 5.08 mm pitch terminal blocks.

The LM 3.50 fulfills UL, CSA and VDE standards so it is available for applications worldwide. Its UL ratings are superior to other sub-5.0 mm PCB terminal blocks currently on the market. The new blocks feature easy and direct wiring without ferrules and are available in 90° and 135° orientations.

All Weidmuller PCB terminal blocks are made from Polyamide 6.6, a rugged and durable nylon molding material with a UL 94 V-2 (self-extinguishing) flammability rating and an upper temperature of 212° F.

Features

- Superior UL ratings
- Requires approximately half the space required by 5.00 and 5.08 mm terminal blocks
- Available in single and double level versions
- Available in 90° and 135° orientations

Molding Material	Polyamide
Color	Black
Temperature Range	-50°C (-58°F) to +100°C (212°F)
Contact	Copper alloy
Plating	Tin plated
Connection	Screw clamp
Hole Diameter	1.3 ^{+0.1} mm
Clamping Screw	M3

For more information

contact:

Weidmuller Inc.

USA:

Telephone (800) 849-9343

Facsimile (804) 379-2593

CANADA:

Telephone (800) 268-4080

Facsimile (905) 475-2798

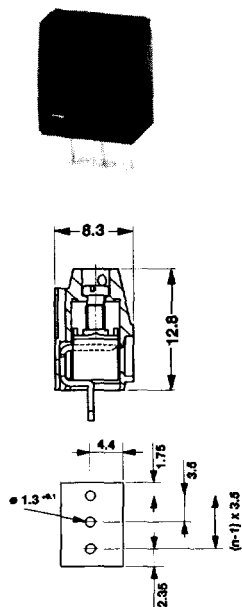


ISO 9001
A2025

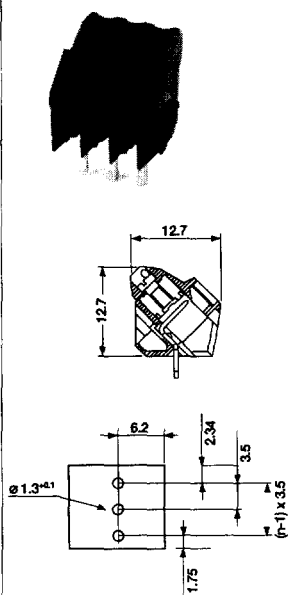
Printed Circuit Board Products

LM 3.50 Terminal Blocks

LM 3.50/90
Single-level
90° orientation
without test point



LM 3.50/135
Single-level
135° orientation
without test point



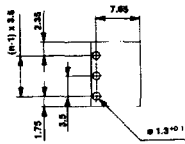
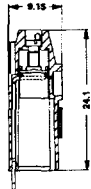
Technical Data	UL	CSA	VDE	UL	CSA	VDE
Rated Voltage	300 V	300 V	125 V	300 V	300 V	125 V
Rated Current	10 A	10 A	12 A	10 A	10 A	12 A
Wire Size	#28...14 AWG	#28...14 AWG	1.5 mm ²	#28...14 AWG	#28...14 AWG	1.5 mm ²
Strip Length	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm
Torque Nm (lb.in.)	0.4 (4.4)	0.4 (4.4)	0.4 (4.4)	0.4 (4.4)	0.4 (4.4)	0.4 (4.4)
Pin Length	4.5 mm	4.5 mm	4.5 mm	4.5 mm	4.5 mm	4.5 mm

Poles	Type	Part No.	Poles	Type	Part No.
2	LM 3.5/90/2 BK	169967	2	LM 3.5/135/2 BK	171501
3	LM 3.5/90/3 BK	169968	3	LM 3.5/135/3 BK	171505
4	LM 3.5/90/4 BK	996770	4	LM 3.5/135/4 BK	999568
5	LM 3.5/90/5 BK	996771	5	LM 3.5/135/5 BK	999569
6	LM 3.5/90/6 BK	996772	6	LM 3.5/135/6 BK	999570
7	LM 3.5/90/7 BK	996773	7	LM 3.5/135/7 BK	999571
8	LM 3.5/90/8 BK	996774	8	LM 3.5/135/8 BK	999572
9	LM 3.5/90/9 BK	996775	9	LM 3.5/135/9 BK	999573
10	LM 3.5/90/10 BK	996776	10	LM 3.5/135/10 BK	999574
11	LM 3.5/90/11 BK	996777	11	LM 3.5/135/11 BK	999575
12	LM 3.5/90/12 BK	996778	12	LM 3.5/135/12 BK	999576
13	LM 3.5/90/13 BK	996779	13	LM 3.5/135/13 BK	999577
14	LM 3.5/90/14 BK	996780	14	LM 3.5/135/14 BK	999578
15	LM 3.5/90/15 BK	996781	15	LM 3.5/135/15 BK	999579
16	LM 3.5/90/16 BK	996782	16	LM 3.5/135/16 BK	999580
17	LM 3.5/90/17 BK	996783	17	LM 3.5/135/17 BK	999581
18	LM 3.5/90/18 BK	996784	18	LM 3.5/135/18 BK	999582
19	LM 3.5/90/19 BK	996785	19	LM 3.5/135/19 BK	999583
20	LM 3.5/90/20 BK	996786	20	LM 3.5/135/20 BK	999584
21	LM 3.5/90/21 BK	996787	21	LM 3.5/135/21 BK	999585
22	LM 3.5/90/22 BK	996788	22	LM 3.5/135/22 BK	999586
23	LM 3.5/90/23 BK	996789	23	LM 3.5/135/23 BK	999521
24	LM 3.5/90/24 BK	996790	24	LM 3.5/135/24 BK	999522

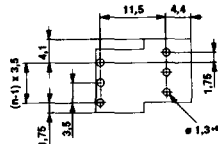
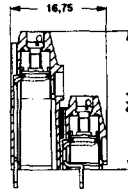
Printed Circuit Board Products

LM 3.50 Terminal Blocks

LM 1N 3.50
Single-level
90° orientation
without test point



LM 2N 3.50
Double-level
90° orientation
without test point



UL	CSA	VDE	UL	CSA	VDE
300 V	300 V	125 V	300 V	300 V	125 V
10 A	10 A	10 A	10 A	10 A	10 A
#28...14 AWG	#28...14 AWG	1.5 mm ²	#28...14 AWG	#28...14 AWG	1.5 mm ²
5 mm	5 mm	5 mm	5 mm	5 mm	5 mm
0.4 (4.4)	0.4 (4.4)	0.4 (4.4)	0.4 (4.4)	0.4 (4.4)	0.4 (4.4)
4.5 mm	4.5 mm	4.5 mm	4.5 mm	4.5 mm	4.5 mm

Poles	Type	Part No.	Poles	Type	Part No.
2	LM 1N 3.50/2 BK	174738	4	LM 2N 3.50/4 BK	172000
3	LM 1N 3.50/3 BK	174739	6	LM 2N 3.50/6 BK	172001
4	LM 1N 3.50/4 BK	999690	8	LM 2N 3.50/8 BK	172002
5	LM 1N 3.50/5 BK	999691	10	LM 2N 3.50/10 BK	172003
6	LM 1N 3.50/6 BK	999692	12	LM 2N 3.50/12 BK	172004
7	LM 1N 3.50/7 BK	999693	14	LM 2N 3.50/14 BK	172005
8	LM 1N 3.50/8 BK	999694	16	LM 2N 3.50/16 BK	172006
9	LM 1N 3.50/9 BK	999695	18	LM 2N 3.50/18 BK	172007
10	LM 1N 3.50/10 BK	999696	20	LM 2N 3.50/20 BK	172008
11	LM 1N 3.50/11 BK	999697	22	LM 2N 3.50/22 BK	172009
12	LM 1N 3.50/12 BK	999698	24	LM 2N 3.50/24 BK	172010
13	LM 1N 3.50/13 BK	999699	26	LM 2N 3.50/26 BK	172011
14	LM 1N 3.50/14 BK	999700	38	LM 2N 3.50/28 BK	172012
15	LM 1N 3.50/15 BK	999701	30	LM 2N 3.50/30 BK	172013
16	LM 1N 3.50/16 BK	999702	32	LM 2N 3.50/32 BK	172014
17	LM 1N 3.50/17 BK	999703	34	LM 2N 3.50/34 BK	172015
18	LM 1N 3.50/18 BK	999704	36	LM 2N 3.50/36 BK	172016
19	LM 1N 3.50/19 BK	999705	38	LM 2N 3.50/38 BK	172017
20	LM 1N 3.50/20 BK	999706	40	LM 2N 3.50/40 BK	172018
21	LM 1N 3.50/21 BK	999707	42	LM 2N 3.50/42 BK	172019
22	LM 1N 3.50/22 BK	999708	44	LM 2N 3.50/44 BK	172020
23	LM 1N 3.50/23 BK	999709	46	LM 2N 3.50/46 BK	172021
24	LM 1N 3.50/24 BK	999710	48	LM 2N 3.50/48 BK	172022