



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!

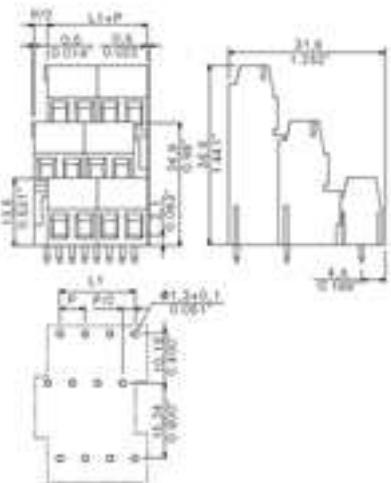


## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



#### General ordering data

Order No.	1769740000
Part designation	LM3R5.08/42 3.5 OR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 42, 90°, Box
EAN	4032248117116
Qty.	10 pc(s).

#### System parameters

Product family	System LM
Conductor connection system	Clamping yoke connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	90°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	42
Fitted by customer	yes
Max. adjacent poles per row	72
No. of rows	3
Solder pin length	3.5 mm
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
No. of solder pins per pole	1

**System parameters**

Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5
Stripping length	6 mm
L1 in mm	66.04 mm
L1 in inch	2.6 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	Wemid (PA)
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	I
Flammability class UL 94	V-0
CTI	>= 600
Temperature of glow-wire test	750 °C
Duration of glow-wire test	30 S
Contact base material	Copper alloy
Contact surface	tinned
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C

**Connectable conductors**

Clamping range, min.	0.2 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>
AWG, min.	24
AWG, max.	14
O.D. of conductor insulation, max.	2.9 mm
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>
Gauge to EN 60999 a x b; Ø	2.4 mm x 1.5 mm; 1.9mm

**DIN IEC rating data**

Rated current, min. No. pins (Tu=20°C)	17.5 A
Rated current, max. No. pins (Tu=20°C)	16 A
Rated current, min. No. pins(Tu=40°C)	17.5 A
Rated current, max. No. pins (Tu=40°C)	14.2 A
Rated voltage for overvoltage class/pollution severity II/2	630 V
Rated voltage for overvoltage class/pollution severity III/2	320 V

#### DIN IEC rating data

Rated voltage for overvoltage class/pollution severity III/3	250 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
Short-time withstand current resistance	3 x 1s with 120 A

#### CSA rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor (field wiring), min.	24
AWG conductor (field wiring), max.	14

#### UL 1059 rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	24
AWG conductor, max.	14

#### Approvals

Approvals institutes



#### Downloads

CAD Library (P-CAD Format - Standard)	LM3R.lib
---------------------------------------	----------

#### Classifications

ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

#### Similar products

Order No.	Part designation	Version
1769620000	LM3R5.08/6 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°, Box
1769630000	LM3R5.08/9 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 90°, Box

1769640000	LM3R5.08/12 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1769650000	LM3R5.08/15 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 90°, Box
1769660000	LM3R5.08/18 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 90°, Box
1769670000	LM3R5.08/21 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 90°, Box
1769680000	LM3R5.08/24 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 90°, Box
1769690000	LM3R5.08/27 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 27, 90°, Box
1769700000	LM3R5.08/30 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 30, 90°, Box
1769710000	LM3R5.08/33 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 33, 90°, Box
1769720000	LM3R5.08/36 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 36, 90°, Box
1769730000	LM3R5.08/39 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 39, 90°, Box
1769750000	LM3R5.08/45 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 45, 90°, Box
1769760000	LM3R5.08/48 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 48, 90°, Box
1769770000	LM3R5.08/51 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 51, 90°, Box
1769780000	LM3R5.08/54 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 54, 90°, Box
1769790000	LM3R5.08/57 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 57, 90°, Box
1769800000	LM3R5.08/60 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 60, 90°, Box
1769810000	LM3R5.08/63 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 63, 90°, Box

1769820000	LM3R5.08/66 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 66, 90°, Box
1769830000	LM3R5.08/69 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 69, 90°, Box
1769840000	LM3R5.08/72 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 72, 90°, Box