

Series A3000, LP3000 & CB3000

Single Row Terminal Blocks

SPECIFICATIONS

Rating: A3: 30A, 600V*

LP3: 30A, 150V

CB3: 30A, 600V

Center Spacing: .437" or 7/16" (11.10 mm)

Wire Size: #12-22 AWG CU

Screw Size: #6-32 zinc plated phillips screws.

Torque Rating: 9 in.-lb. max.

Base: Standoffs standard for easy flux washing.

Distance Between Barriers: .32" (8.1 mm)

Recommended PCB Hole Diameter: .076" (1.93 mm);
.062" (1.59 mm) on .045" terminals

Operating Temperature: 105°F (221°F) max., -40°C
(-40°F) min.

Molded Material: Black, UL Rated 94VO Thermoplastic

Breakdown Voltage: 3500V rms (A3 & LP3); 8200V rms (CB3)

Approvals: UL E62622; CSA LR15364; IEC Compliance,
CE Certified

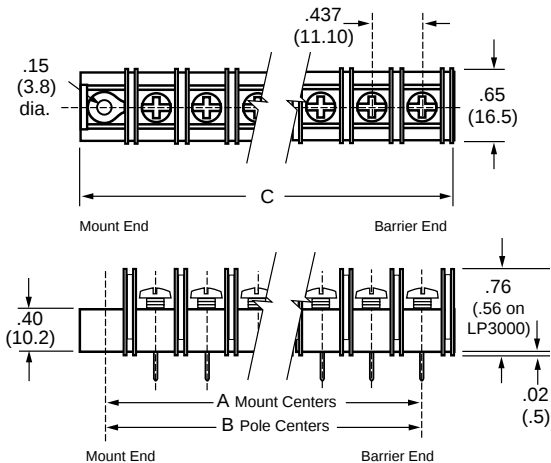
*30A Rating achieved with a #10 copper wire crimped to a ring terminal;
20 Rating without ring terminal.

A31940707WR

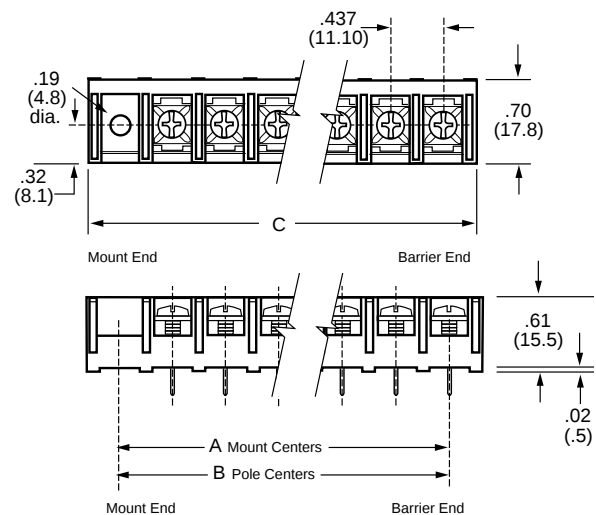
LP30110507

CB31420807

A3000 & LP3000 Series



CB3000 Series



Dimensions in inches. To convert to millimeters, multiply by 25.4.

Poles	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS B Pole Ctrs.	BARRIER ENDS ONLY C Length
	A Mount Ctrs.	C Length		
02	1.31	1.73	.43	.98
03	1.75	2.17	.87	1.43
04	2.18	2.61	1.31	1.87
05	2.62	3.05	1.75	2.31
06	3.06	3.48	2.18	2.75
07	3.50	3.92	2.62	3.18
08	3.93	4.36	3.06	3.62
09	4.37	4.80	3.50	4.06
10	4.81	5.23	3.93	4.50
11	5.25	5.67	4.37	4.93
12	5.68	6.11	4.81	5.37
13	6.12	6.55	5.25	5.81
14	6.56	6.98	5.68	6.25
15	7.00	7.42	6.12	6.68
16	7.43	7.86	6.56	7.12
17	7.87	8.30	7.00	7.56
18	8.31	8.73	7.43	8.00
19	8.75	9.17	7.87	8.43
20	9.18	9.60	8.31	8.87
21	9.62	10.05	8.50	9.31
22	10.06	10.48	9.18	9.75
23	10.50	10.92	9.62	10.18
24	10.93	11.36	10.06	10.62
25	11.37	11.80	10.50	11.06
26	11.81	12.23	10.93	11.50
27			11.37	11.93
28			11.81	12.37

MAGNUM®

Series A3000 & LP3000

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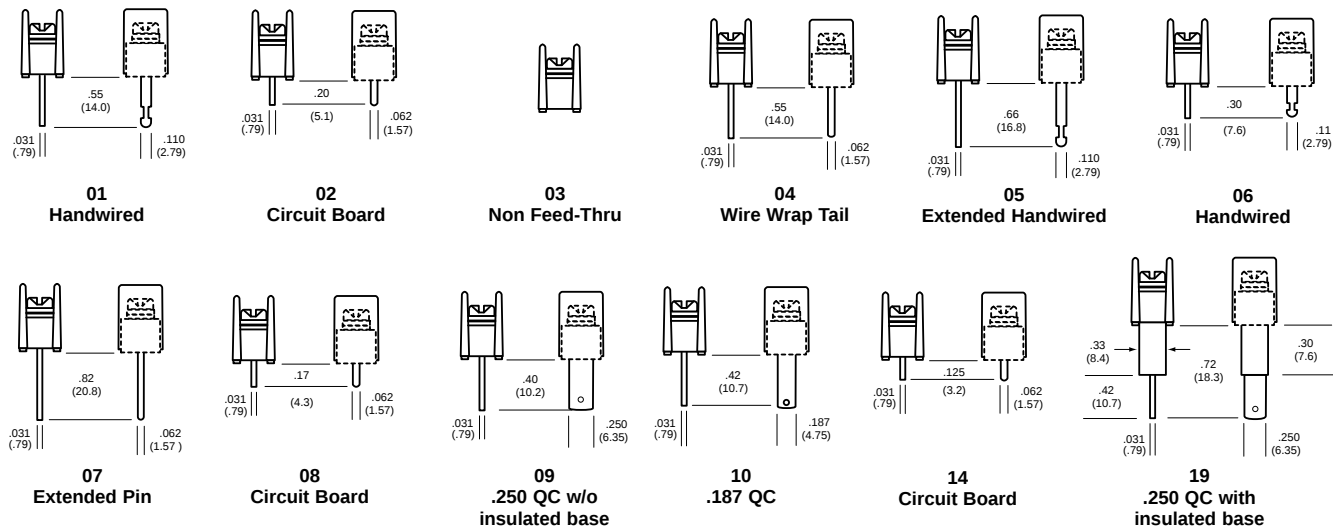
Part Numbering System

Series	Terminal Style	Base/End (Views pg. 15)	Poles	Screw Options	Options
					
A3 - standard barrier LP3 - low profile barrier	01 - handwired 02 - printed circuit 03 - non feed-thru 04 - wire wrap tail 06 - handwired 07 - extended pin 08 - printed circuit 09 - .250 QC w/o insulated base 10 - .187 QC 14 - printed circuit 19 - .250 QC with insulated base	1 - flat base/mnt. end 2 - flat base/barrier end 3 - insulator base/mnt. end 4 - insulator base/barrier end 5 - closed base/mount end	02 to 28 02 to 26 on mount end base	Blank - std. screw 00 - screws shipped bulk 03 - stainless steel 04 - brass nickel plated 07 - steel SEMS zinc plated (not available with hardware options) 09 - brass SEMS nickel plated (not available with hardware options) 03CA - stainless steel captive 04CA - brass captive 07CA - SEMS captive 09CA - brass SEMS captive 07WR - steel SEMS wire ready (N/A on LP3)	AB - angle mnt. options (pg 16) A1 to A9 - .250" QC B1 to B9 - .187" QC DR - drilled right angle (pg 16) J201 - flat slip-on jumper L1 to L6 marking options (pg 23) MP, MP8 & MT mounting plates (pg 16) OJ3 & OJ4 - over barrier jumpers RC - retaining clips (pg 16) R30 to R77 - right angle bends (pg 16) SO - stand off insulators (pg 16) S1 - solder lug/flat

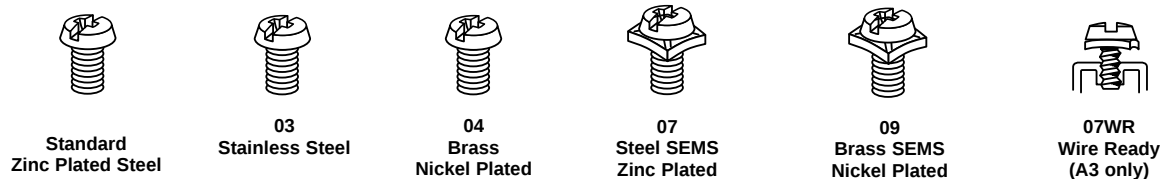
Base/End Note: 3, 4 styles not available with 02, 03, 06, 08, 09 & 14 terminals.
5 Style only available with 03 terminals.

Terminal Styles

Inches (Millimeters)



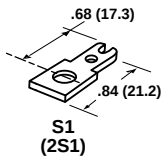
Screw Options



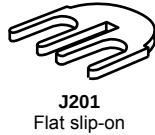
Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

Solder Lugs

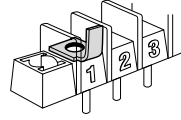
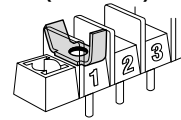
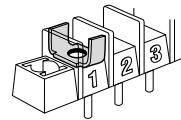
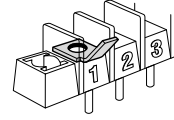
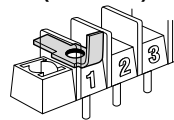
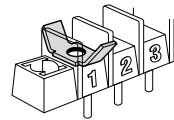
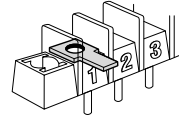
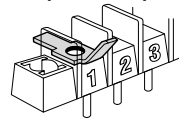
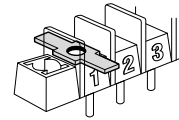


Jumpers

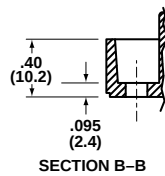
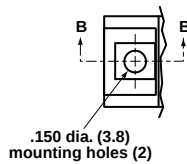


Quick Connects

Blade Width A = .250" Blade Width B = .187"



Base/End Options



1, 3 & 5 Mount Ends

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Single Row Terminal Blocks *Continued*

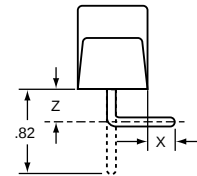
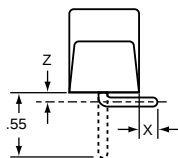
Mounting Options

Right Angle Bends (A3, LP3 only)

Right angle terminals are offered on the A3000 & LP3000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected Bend Option Code to the terminal part no.

07 Terminal Bend Configurations

04 Terminal Bend Configurations

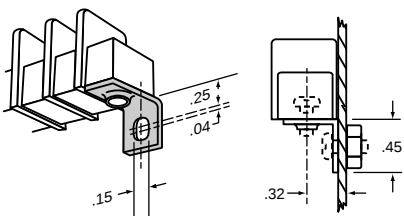


Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	-.04	.28	No
R35	.01	.23	No
R36	.02	.22	No
R39	.05	.19	No
R42	.08	.16	No
R46	.12	.12	No
R48	.14	.10	No
R50	.16	.08	No

Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	-.04	.55	Yes
R35	.01	.50	Yes
R36	.02	.49	Yes
R50	.16	.35	No
R53	.19	.32	No
R66	.32	.19	No
R69	.35	.16	No
R75	.41	.10	No
R77	.43	.08	No

Dimensions in inches. To convert to millimeters, multiply by 25.4.

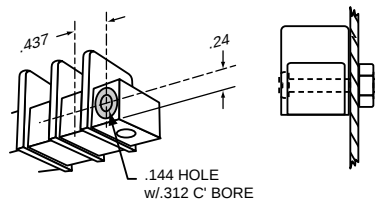
Angle Brackets (A3, LP3 only)



Option AB

Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part no. **2AB**.

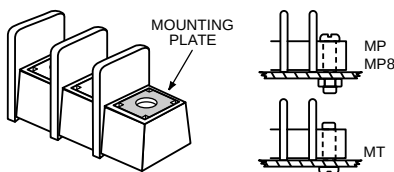
Drilled Right Angle (A3, LP3 only)



Option DR

Counterbored holes across mount ends of block enable fastening with two screws at right angles to normal mount position.

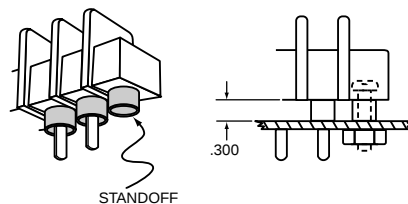
Mounting Plates



Options MP, MP8 & MT

MP Metal inserts with .150" dia. hole accept #6 screw. **MP8** Metal inserts with .187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

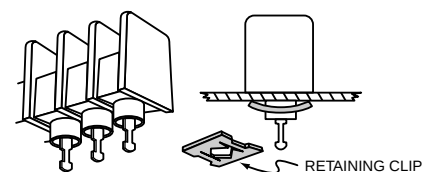
Standoffs



Option SO

Standoff mounts are tubes molded to the mounting positions. Available with insulator bases only.

Retaining Clip



Option RC

Use on standoff tubes. Fit panels up to .125" thick. Two clips for every five positions. Supplied unassembled. Bulk Part No. **H541**.

Mouser Electronics

Authorized Distributor

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