

Series A2000, LP2000 & CB2000 Single Row Terminal Blocks

SPECIFICATIONS

Rating: A2: 30A, 300V*
LP2: 30A, 150V*
CB2: 30A, 300V*

Center Spacing: .375" or 3/8" (9.52 mm)

Wire Size: #12-22 AWG CU

Screw Size: #6-32 zinc plated phillslot

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.

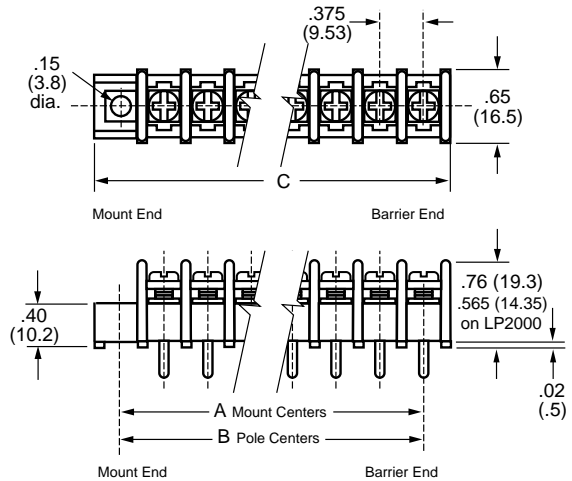
Molded Material: Black, UL Rated 94VO Thermoplastic

Breakdown Voltage: 3400V rms (A2 & LP2); 4100V rms (CB2).

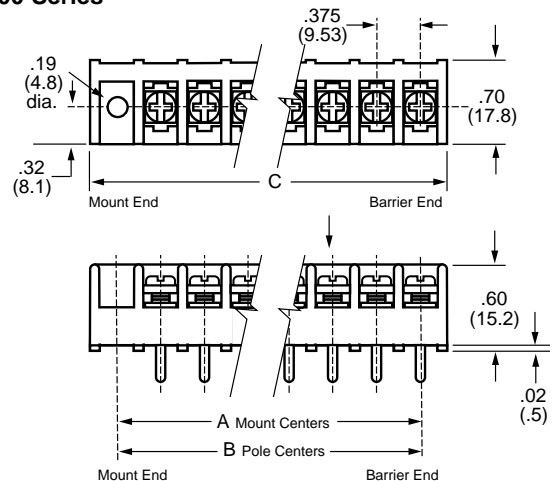
Approvals: UL E62622; CSA LR15364; IEC Compliance;
CE Certified



A2000 & LP2000 Series



CB2000 Series



Poles	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS B Pole Ctrs.	BARRIER ENDS ONLY C Length
	A Mount Ctrs.	C Length		
02	1.13	1.56	.38	.81
03	1.50	1.93	.75	1.18
04	1.88	2.30	1.13	1.56
05	2.25	2.68	1.50	1.93
06	2.63	3.06	1.88	2.31
07	3.00	3.43	2.25	2.68
08	3.38	3.81	2.63	3.06
09	3.75	4.18	3.00	3.43
10	4.13	4.56	3.38	3.81
11	4.50	4.93	3.75	4.18
12	4.88	5.31	4.13	4.56
13	5.25	5.69	4.50	4.93
14	5.63	6.06	4.88	5.31
15	6.00	6.43	5.25	5.68
16	6.38	6.81	5.63	6.06
17	6.75	7.18	6.00	6.43
18	7.13	7.56	6.38	6.81
19	7.50	7.93	6.75	7.18
20	7.88	8.31	7.13	7.56
21	8.25	8.68	7.50	7.93
22	8.63	9.06	7.88	8.31
23	9.00	9.43	8.25	8.68
24	9.38	9.81	8.63	9.06
25	9.75	10.18	9.00	9.43
26	10.13	10.56	9.38	9.81
27	10.50	10.93	9.75	10.18
28	10.88	11.31	10.13	10.55
29	11.25	11.68	10.50	10.93
30	11.63	12.05	10.88	11.31
31			11.25	11.68
32			11.63	12.05

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

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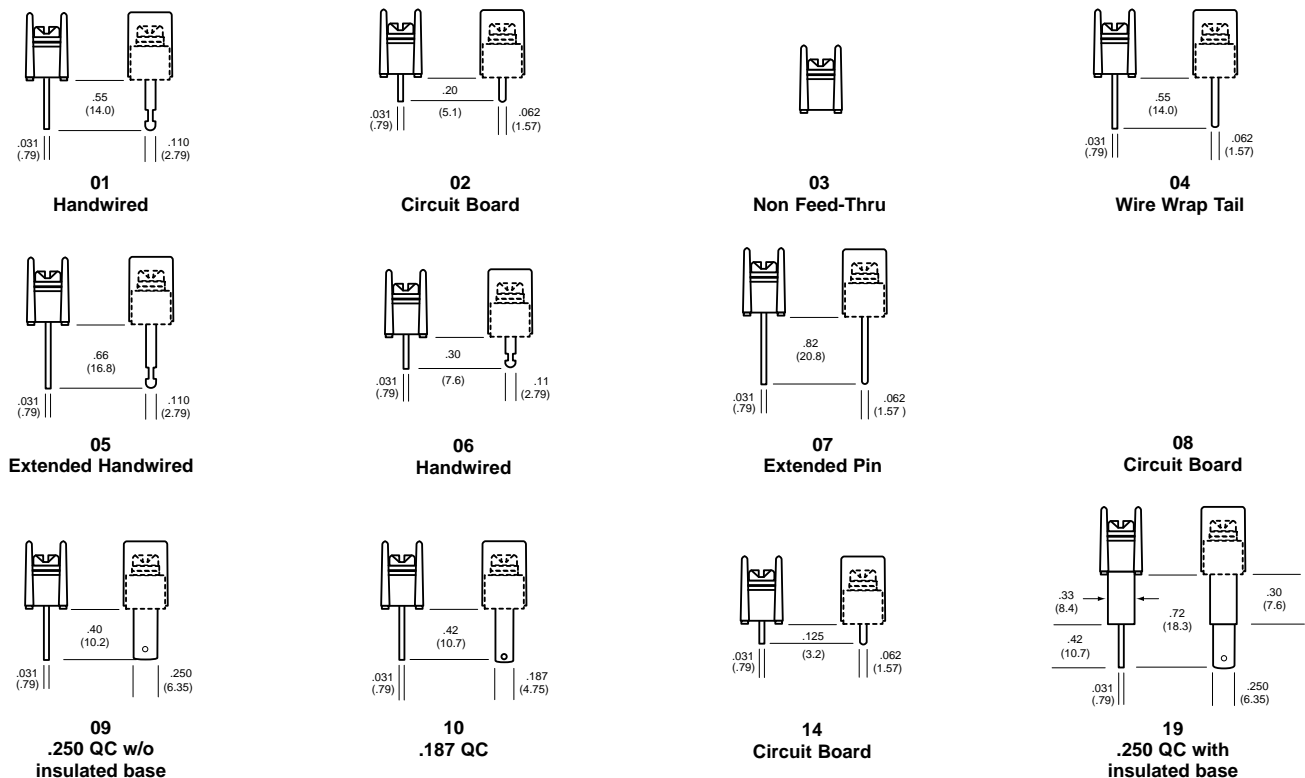
Series A2000 & LP2000 Single Row Terminal Blocks

Part Numbering System

Series	Terminal Style	Base/End (Views pg. 9)	Poles	Screw Options	Options
A A LP2	nn	n	nn	nnnn	nnn
A2 - standard barrier LP2 - low profile barrier	01 - handwired 02 - printed circuit 03 - non feed-thru 04 - wire wrap tail 05 - extended handwired 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	0 - flat base/molded mount end 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 6 - closed base/molded mount end 9 - insulator base/molded mount end	02 to 32 02 to 30 on mount end base	Blank - std. screw 00 - screws shipped bulk 03 - stainless steel 04 - brass nickel plated 07 - steel SEMS (not available with hardware options) 09 - brass SEMS nickel plated (not available with hardware options) CA - captive screw 03CA - stainless steel captive 04CA - brass captive 07CA - SEMS captive 09CA - brass SEMS captive 07WR - steel SEMS wire ready (not available on LP2)	AB - angle mnt. options (pg 10) A1 to A9 - .250" QC B1 to B9 - .187" QC DR - drilled right angle (pg 10) JA, JB & JC - barrier jumpers L1 to L6 marking options (pg 23) MP, MP8 & MT mounting plates (pg 10) OJ2 & OJ4 - over barrier jumpers (not available w/covers) RC - retaining clips (pg 10) R30 to R77 - right angle bends (pg 10) SO - stand off insulators (pg 10) S1 - solder lug/flat
<p>Base/End Note: 0, 6, 9 styles not available with covers. 3, 4, 9 Styles not available with 02, 03, 06, 08, 09 & 14 terminals. 5 & 6 Styles only available with 03 terminals.</p>					

Terminal Styles

Inches (Millimeters)



Screw Options



Standard
Zinc Plated Steel



03
Stainless Steel



04
Brass
Nickel Plated



07
Steel SEMS



09
Brass SEMS
Nickel Plated

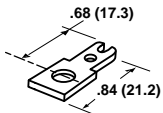


07WR
Wire Ready
(A2 only)

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

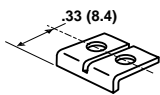
Inches (Millimeters)

Solder Lugs

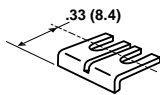


S1
(2S1)

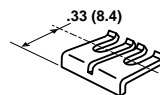
Jumpers



JA
(JA2-XX)



JB
(JB2-XX)



JC
(JC2-XX)



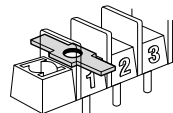
OJ2



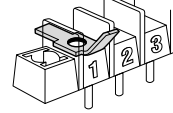
OJ4

Quick Connects

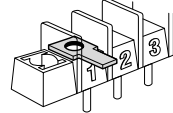
Blade Width A = .250" Blade Width B = .187"



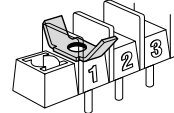
A1 & B1
(2A1 & 2B1)



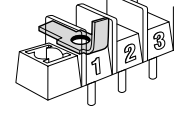
A4 & B4
(2A4 & 2B4)



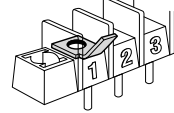
A7 & B7
(2A7 & 2B7)



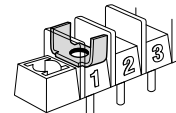
A2 & B2
(2A2 & 2B2)



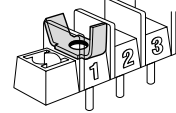
A5 & B5
(2A5 & 2B5)



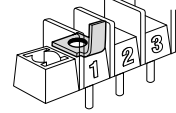
A8 & B8
(2A8 & 2B8)



A3 & B3
(2A3 & 2B3)

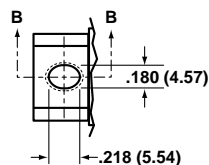


A6 & B6
(2A6 & 2B6)



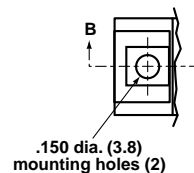
A9 & B9
(2A9 & 2B9)

Base/End Options

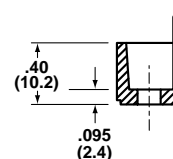


SECTION A-A

0, 6 & 9 Mount Ends



.150 dia. (3.8)
mounting holes (2)



SECTION B-B

1, 3 & 5 Mount Ends

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Series A2000 & LP2000

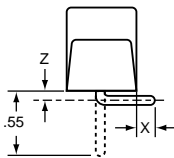
Single Row Terminal Blocks *Continued*

Mounting Options

Right Angle Bends (A2, LP2 only)

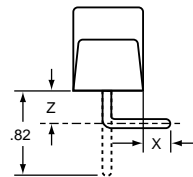
Right angle terminals are offered on the A2000 & LP2000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected Bend Option Code to the terminal part no.

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

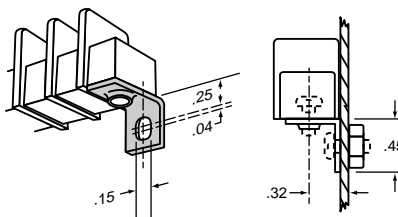
07 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	-.04	.55	Yes
R35	.01	.50	Yes
R36	.02	.49	Yes
R42	.08	.43	Yes
R46	.12	.39	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.

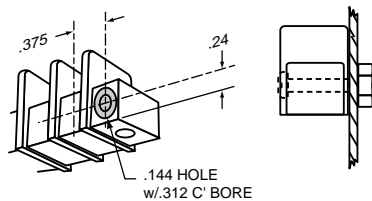
Angle Brackets (A2, LP2 only)



Option AB

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

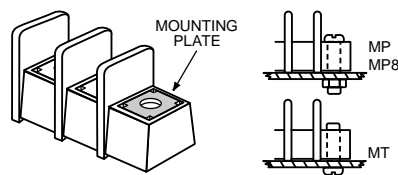
Drilled Right Angle (A2, LP2 only)



Option DR

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

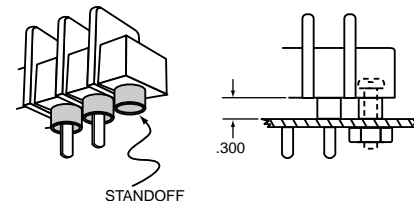
Mounting Plates



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.

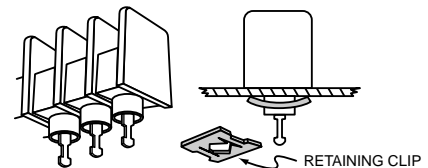
Standoffs



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**.

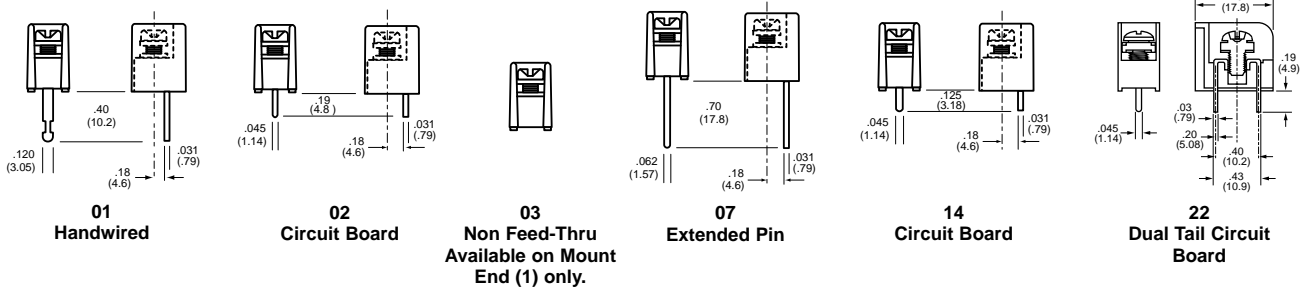
Series CB2000
Single Row Terminal Blocks

Part Numbering System

Series	Terminal Style	Base/End	Poles	Screws	Options
CB2	nn	n	nn	nnnn	nnn
CB2 - closed back	01 - handwired 02 - circuit board 03 - non feed-thru 07 - extended pin 14 - circuit board 22 - dual tail circuit board	1 - mount end 2 - barrier end	02 to 32 02 to 30 on mount end base	07 - steel SEMS standard 09 - brass SEMS nickel plated CA - captive screw 07CA - SEMS captive	AB - angle mounting brackets (pg 12) A7 to A9 - .250" QC B7 to B9 - .187" QC EB - exit back terminals EF - exit front terminals JA, JB & JC - barrier jumpers L1 to L6 marking options (pg 23) LT1 to LT6 marking options (pg 23) OJ2 & OJ4 - over barrier jumpers MP, MP8, MT & MT8 mtg. plates (pg 12) S1 - solder lug/flat

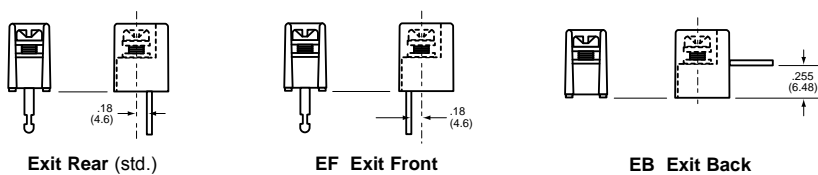
Terminal Styles

Inches (Millimeters)

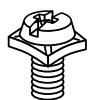


CB2 Terminal Exit Options

Inches (Millimeters)



Screw Options Wire ready screws standard on all terminal styles



07 Steel SEMS Zinc Plated



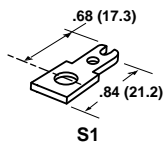
09 Brass SEMS Nickel Plated

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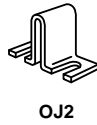
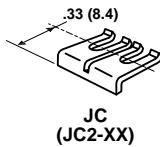
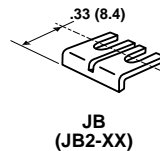
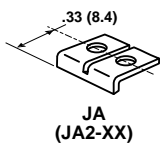
Series CB2000 Single Row Terminal Blocks *Continued*

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

Solder Lugs

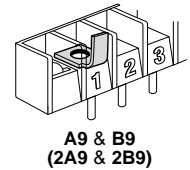
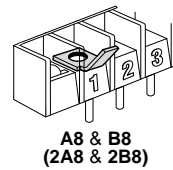
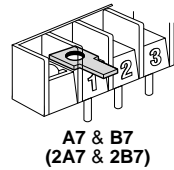


Jumpers



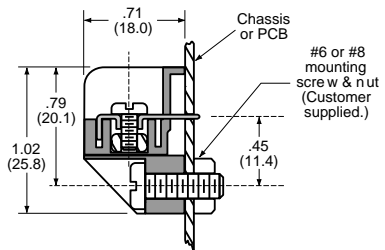
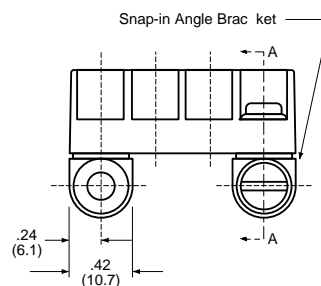
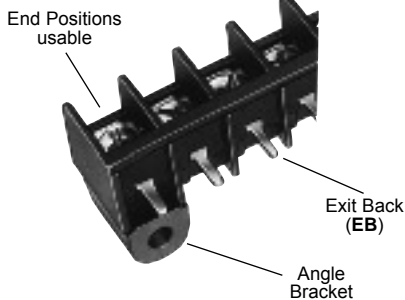
Quick Connects

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



Mounting Options Inches (Millimeters)

Right Angle Mounting Bracket

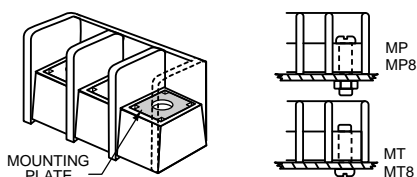


Option AB

Mounts blocks on PC boards at a right angle.

- Protects solder joints.
- Recommended for all EB (Exit Back) PCB terminal blocks.
- Bracket snaps securely on block (no hardware required).
- Minimum strip length (end positions are usable).
- Mount with #6-32 or #8-32 screws (not supplied).

Mounting Plates



Options MP, MP8, MT & MT8

- 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.
- MT8** Metal inserts with tapped hole accept #8-32 screw.