

Series A2000, LP2000 & CB2000

Single Row Terminal Blocks

SPECIFICATIONS

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

Center Spacing: 0.375" or 3/8" (9.52mm)

Wire Range: #12-22 AWG CU

Screw Size: #6-32 zinc-plated phillslot

Torque Rating: 9 lb-in.

Base: Standoffs standard for easy flux washing

Distance Between Barriers: 0.32" (8.1mm)

Recommended PCB Hole Diameter: 0.076" (1.93mm)

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

Molded Material: Black, UL Rated 94V0 Thermoplastic

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

Agency Information: UL File E62622, CSA File 47235;

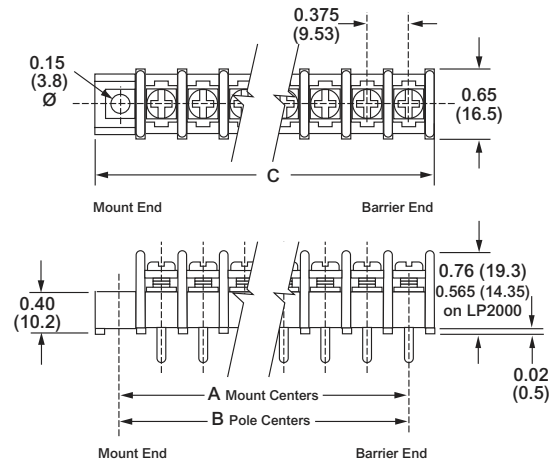
IEC Compliance; CE Certified

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

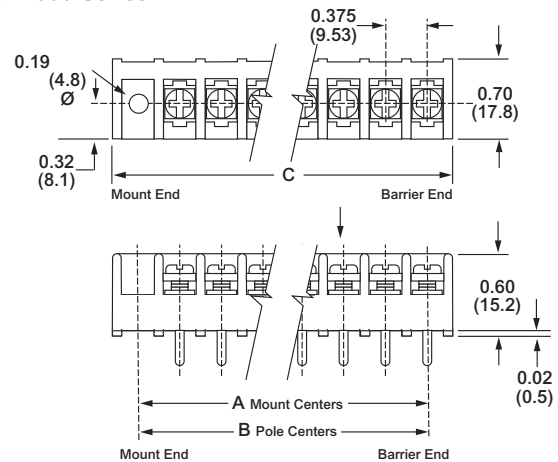


Dimensions - in (mm)

A2000 & LP2000 Series



CB2000 Series



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

Series A2000 & LP2000

Single Row Terminal Blocks

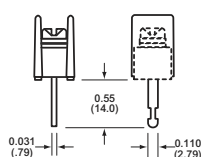
Part Numbering System

Series	Terminal Style	Base/End	Poles	Screw Options	Options
A2					
LP2					
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 - 0.250" QC short 10 - 0.187" QC 14 - printed circuit 19 - 0.250" QC long	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 Base/End Note: 0, 6, 9 styles not available with covers. 5 & 6 Styles only available with 03 terminals.	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 WR - wire ready (not available on LP2 series)	AB - angle mnt. options (pg 9) A1 to A9 - 0.250" QC B1 to B9 - 0.187" QC DR - drilled right angle (pg 9) †JA, JB & JC - barrier jumpers L1 to L6 marking options (pg 22) MP, MP8 & MT mounting plates (pg 9) †OJ2 & OJ4 - over barrier jumpers (not available w/covers) RC - retaining clips (pg 9) R30 to R77 - right angle bends (pg 9) SO - stand off insulators (pg 9) S1 - solder lug/flat Covers - (pg 23)

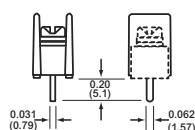
†Contact factory for configuration...

Terminal Styles

Inches (Millimeters)



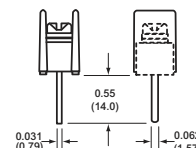
01
Handwired



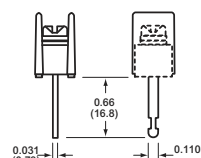
02
Printed Circuit



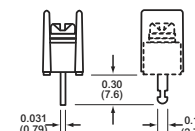
03
Non Feed-Thru



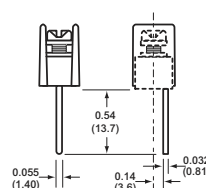
04
Wire Wrap Tail



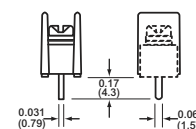
05
Extended Handwired



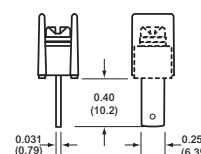
06
Handwired



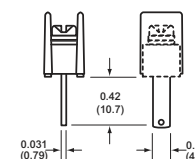
07
Extended Pin



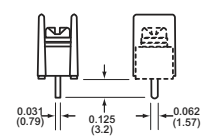
08
Printed Circuit



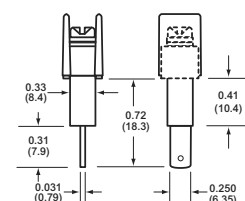
09
0.250" QC short



10
0.187" QC



14
Printed Circuit



19
0.250" QC long

Series A2000 & LP2000

Single Row Terminal Blocks *Continued*

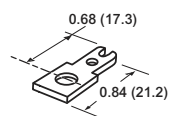
Screw Options

					
Standard zinc-plated Steel	03 Stainless Steel	04 Brass Nickel-Plated	07 Steel SEMS	09 Brass SEMS Nickel-Plated	WR Wire Ready

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

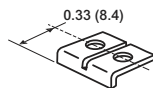
Inches (Millimeters)

Solder Lugs

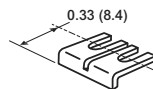


S1
(2S1-J)

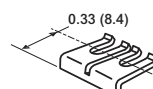
Jumpers



†JA
(JA2-XX-J)



†JB
(JB2-XX-J)



†JC
(JC2-XX-J)



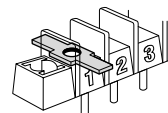
†OJ2
(OJ2-J)



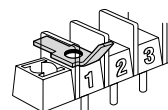
†OJ4
(OJ4-J)

Quick Connects

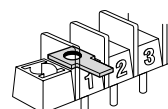
Blade Width A = 0.250" Blade Width B = 0.187"



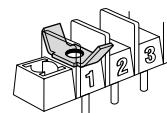
A1 & B1
(2A1-J & 2B1-J)



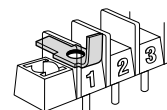
A4 & B4
(2A4-J & 2B4-J)



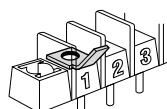
A7 & B7
(2A7-J & 2B7-J)



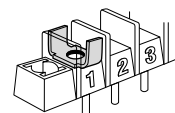
A2 & B2
(2A2-J & 2B2-J)



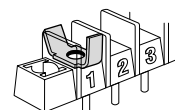
A5 & B5
(2A5-J & 2B5-J)



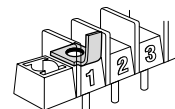
A8 & B8
(2A8-J & 2B8-J)



A3 & B3
(2A3-J & 2B3-J)



A6 & B6
(2A6-J & 2B6-J)

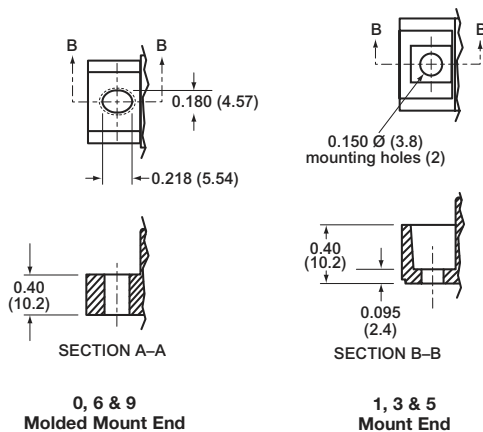


A9 & B9
(2A9-J & 2B9-J)

†Contact factory for configuration.

Base/End Options

Inches (Millimeters)



Series A2000 & LP2000

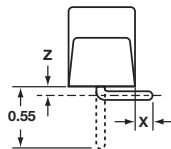
Single Row Terminal Blocks *Continued*

Mounting Options

Right Angle Bends (A2, LP2 only)

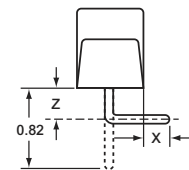
Right angle terminals are offered on the A2000 & LP2000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected Bend Option Code to the terminal part number.

04 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	0.04	0.28	No
R35	0.01	0.23	No
R36	0.02	0.22	No
R39	0.05	0.19	No
R42	0.08	0.16	No
R46	0.12	0.12	No
R48	0.14	0.10	No
R50	0.16	0.08	No

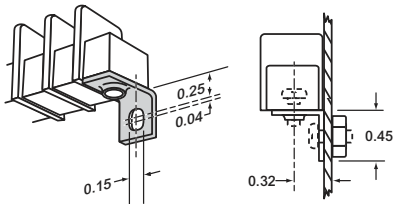
07 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	0.04	0.55	Yes
R35	0.01	0.50	Yes
R36	0.02	0.49	Yes
R42	0.08	0.43	Yes
R46	0.12	0.39	Yes
R50	0.16	0.35	No
R53	0.19	0.32	No
R66	0.32	0.19	No
R69	0.35	0.16	No
R75	0.41	0.10	No
R77	0.43	0.08	No

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

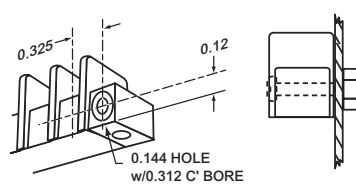
Angle Brackets (A2, LP2 only)



Option AB

Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part number **2AB-J**.

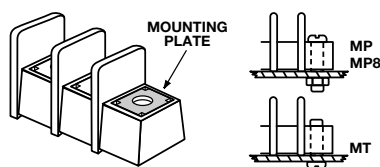
Drilled Right Angle (A2, LP2 only)



Option DR

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

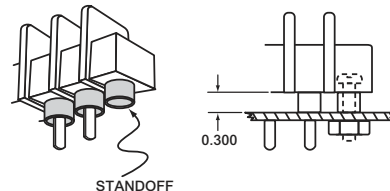
Mounting Plates



Options MP, MP8 & MT

MP Metal inserts with 0.150" dia. hole accept #6 screw. **MP8** Metal inserts with 0.187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

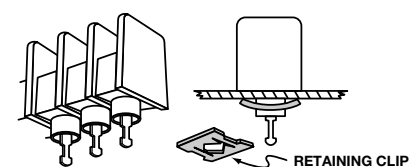
Standoffs



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 0.125" thick. Two clips for every five positions. Supplied unassembled. Bulk part number **H541-J**.

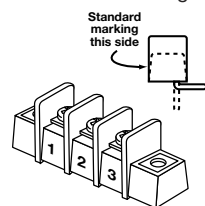
All Series Marking Options

Single Row Terminal Blocks

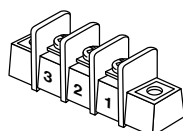
Marking Options & Accessories

Standard Marking

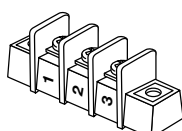
Markings are applied directly to the sides of Series 1000, 2000, 3000, and 4000. Standard characters are white and 1/8" high. Factory may substitute 3/32" high characters.



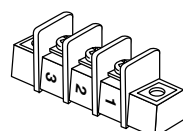
L1
Upright Numerals
Left to Right



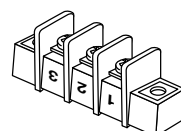
L2
Upright Numerals
Right to Left



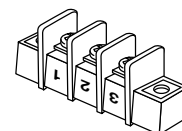
L3
Left Lying Numerals
Left to Right



L4
Right Lying Numerals
Right to Left



L5
Upside-Down Numerals
Right to Left

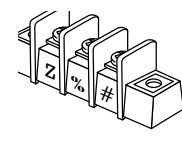
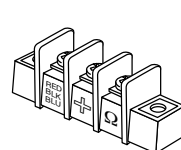
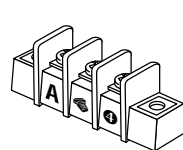


L6
Upside-Down Numerals
Left to Right

Blocks to be marked on both sides require a different code for each side. Example: "L1" on one side of the block requires "L2" on the other side to ensure common terminal marking. Specify by adding suffix to part number.

Special Marking

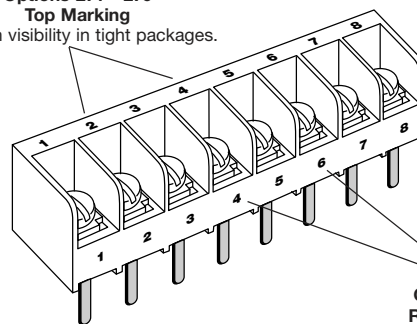
Special markings are available for Series 1000, 2000, 3000, 4000 & 5000 at an additional charge for preparation. Production charges for setup, handling and marking are the same as for standard marking and the same quantity discounts apply. Consult factory for price and delivery.



Closed Barrier Terminal Block Marking Options

- L1 & LT1 = Upright numerals, numbered from left to right
- L2 & LT2 = Upright numerals, numbered from right to left
- L3 = Left lying numerals, numbered from left to right
- L4 = Right lying numerals, numbered from right to left
- L5 & LT5 = Upside down numerals, numbered from right to left
- L6 & LT6 = Upside down numerals, numbered from left to right

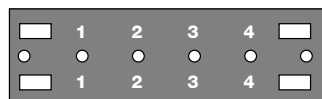
Options LT1 - LT6
Top Marking
For high visibility in tight packages.



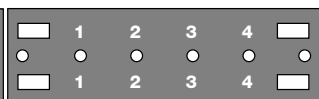
Options L1 - L6
Regular Marking

Marker Strips

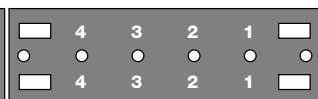
Black marker strips with white numerals mount beneath the terminal blocks to clearly identify terminal and wire positions. Available with forward or reverse markings, top or bottom of strip. If special markings are required, submit a drawing.



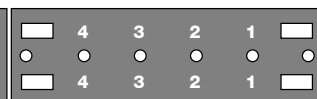
Bottom Forward - **BF**



Top Forward - **TF**



Bottom Reverse - **BR**



Top Reverse - **TR**

Series



MS1 - 1000 Series
MS2 - 2000 Series
MS3 - 3000 Series

Base



1 - mount end, feed thru
2 - barrier end, feed thru
3 - mount end, insulator tubes
4 - barrier end, insulator tubes
5 - mount end, non feed-thru

Poles



02 to 36

Marking



BF - bottom forward
TF - top forward
BR - bottom reverse
TR - top reverse

All Series Accessories

Single Row Terminal Blocks *Continued*

Cover Options - Single Row

Terminal Block Covers

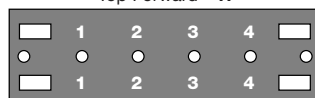
Available for Series A1000, A2000, A3000, A4000, CB2000, CB3000, LP2000, & LP3000.
Three styles of UL 94V0 thermoplastic covers are offered in black. Covers are ordered separately and supplied with two clips each, unless ordered without clips. Optional markings may be specified (black on yellow; white on black).

Notes: Covers can not be used with: • mounting plate options MP & MT.
• certain quick connect terminals.
• 0, 6, & 9 base/end styles on A2 or A3

Bulk Cover Clips: Series 1000 = **CC1-J**; Series 2000 & 3000 = **CC2-J**;
Series 4000 = **CC4-J**.

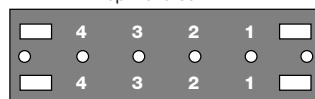
Standard Cover Markings

Top Forward - **TF**



Bottom Forward - **BF**
Skirted Access Side

Top Reverse - **TR**



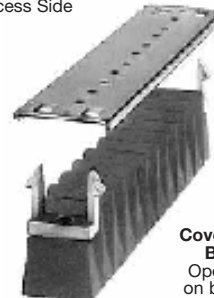
Bottom Reverse - **BR**
Skirted Access Side



**Cover Options
BB & CB**
Skirted access
on both sides.



**Cover Options
BO & CO**
Skirted access
on one side only.



**Cover Options
BC & TC**
Open access
on both sides.

Cover



BB - skirted access, both sides, black
BO - skirted access, one side, black
BC - open access, both sides, black*
* Not available in 4000 Series

Series



1 - 1000
2 - 2000
3 - 3000
4 - 4000

Poles



02 to 36

Markings



BF - bottom forward
TF - top forward
BR - bottom reverse
TR - top reverse

Options



00 - without clips

Snap-On Covers for A38/B38/F38 Series & CB2/CB3 Series

A38/B38 Series



Poles	
T A 8	☐
T B 8	☐
F B 8	☐

A38 Series

B38 Series

F38 Series

CB2/CB3 Series



Poles	
T 0 2	☐
T 0 3	☐

CB2 Series

CB3 Series