Series A2000, LP2000 & CB2000

Single Row Terminal Blocks



A20510807WR

LP202110

CB20210507

SPECIFICATIONS

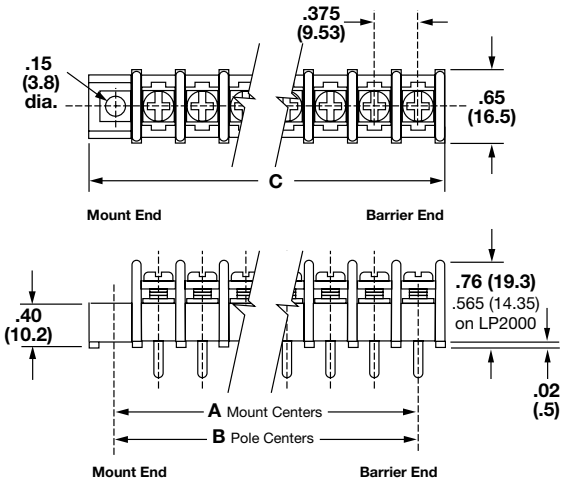
Rating: A2: 30A, 300V*
LP2: 30A, 150V*
CB2: 30A, 300V*
Center Spacing: .375" or 3/8" (9.52 mm)
Wire Range: #12-22 AWG CU
Screw Size: #6-32 zinc plated philslot
Torque Rating: 9 in-lb.
Base: Standoffs standard for easy flux washing
Distance Between Barriers: .32" (8.1 mm)
Recommended PCB Hole Diameter: .076" (1.93 mm)
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/CSA; IEC Compliance;
CE Certified

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

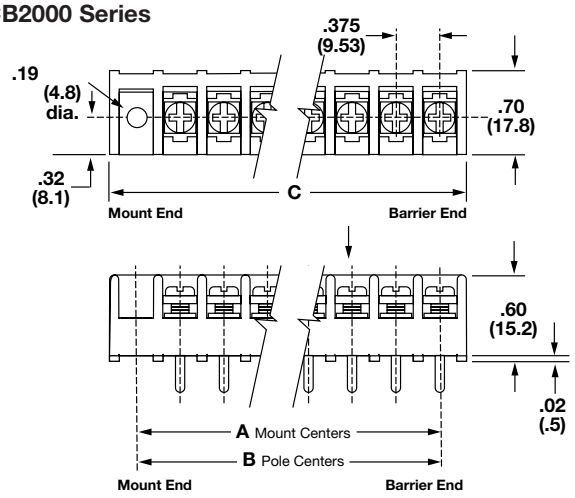
Poles	MOUNTING ENDS ONLY A Mount Ctrs.	MOUNTING ENDS ONLY C Length	BARRIER & MOUNTING ENDS B Pole Ctrs.	BARRIER ENDS ONLY C Length
02	1.13	1.56	.38	.81
03	1.50	1.93	.75	1.18
04	1.88	2.30	1.13	1.56
05	2.25	2.68	1.50	1.93
06	2.63	3.06	1.88	2.31
07	3.00	3.43	2.25	2.68
08	3.38	3.81	2.63	3.06
09	3.75	4.18	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.

A2000 & LP2000 Series



CB2000 Series



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 - .250 QC short
10 - .187 QC
14 - printed circuit
19 - .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

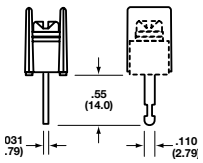
Blank - std. screw
00 - screws shipped bulk
03 - stainless steel
04 - brass nickel plated
07 - steel SEMS (not available with hardware options)
09 - brass SEMS nickel plated (not available with hardware options)
CA - captive screw
03CA - stainless steel captive
04CA - brass captive
07CA - SEMS captive
09CA - brass SEMS captive
07WR - steel SEMS wire ready (not available on LP2)

AB - angle mnt. options (pg 9)
A1 to **A9** - .250" QC
B1 to **B9** - .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

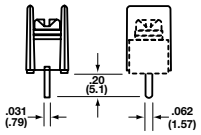
Covers - (pg 23)

Terminal Styles

Inches (Millimeters)



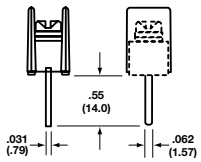
01
Handwired



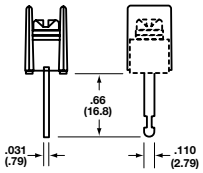
02
Printed Circuit



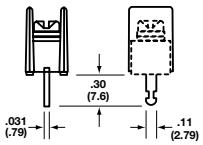
03
Non Feed-Thru



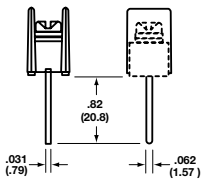
04
Wire Wrap Tail



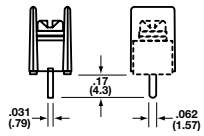
05
Extended Handwired



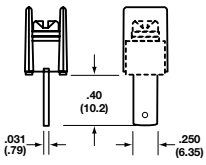
06
Handwired



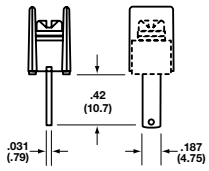
07
Extended Pin



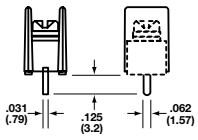
08
Printed Circuit



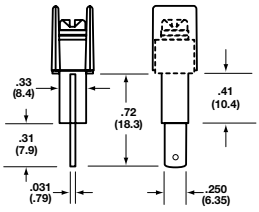
09
.250 QC short



10
.187 QC



14
Printed Circuit



19
.250 QC long

Series A2000 & LP2000

Single Row Terminal Blocks *Continued*

Screw Options



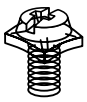
Standard
Zinc Plated Steel



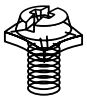
03
Stainless Steel



04
Brass
Nickel Plated



07
Steel SEMS



09
Brass SEMS
Nickel Plated

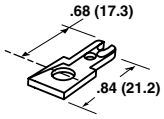


07WR
Wire Ready
(A2 only)

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

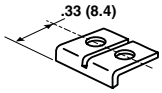
Inches (Millimeters)

Solder Lugs

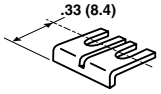


S1
(2S1)

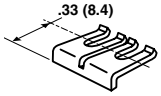
Jumpers



JA
(JA2-XX)



JB
(JB2-XX)



JC
(JC2-XX)

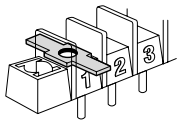


OJ2

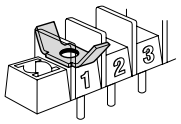


OJ4

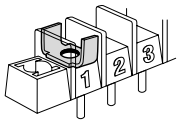
Quick Connects
Blade Width A = .250" Blade Width B = .187"



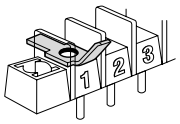
A1 & B1
(2A1 & 2B1)



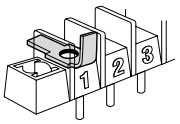
A2 & B2
(2A2 & 2B2)



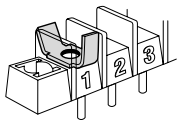
A3 & B3
(2A3 & 2B3)



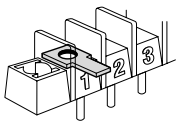
A4 & B4
(2A4 & 2B4)



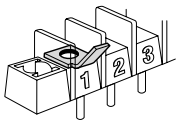
A5 & B5
(2A5 & 2B5)



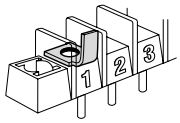
A6 & B6
(2A6 & 2B6)



A7 & B7
(2A7 & 2B7)

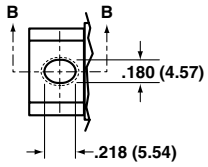


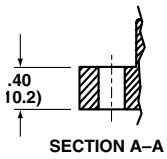
A8 & B8
(2A8 & 2B8)



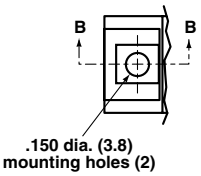
A9 & B9
(2A9 & 2B9)

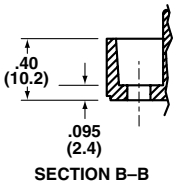
Base/End Options





0, 6 & 9
Molded Mount End





1, 3 & 5
Mount End

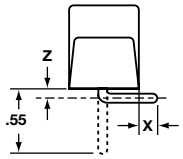
Series A2000 & LP2000
Single Row Terminal Blocks *Continued*

Mounting Options

Right Angle Bends (A2, LP2 only)

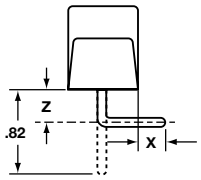
Right angle terminals are offered on the A2000 & LP2000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding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

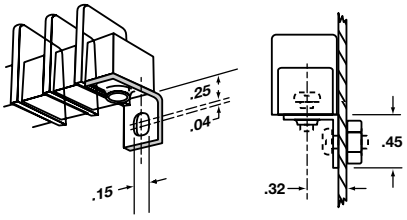
07 Terminal Bend Configurations



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

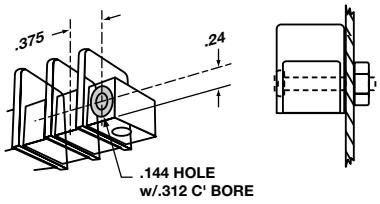
Dimensions in inches. To convert to millimeters, multiply by 25.4.

Angle Brackets (A2, LP2 only)



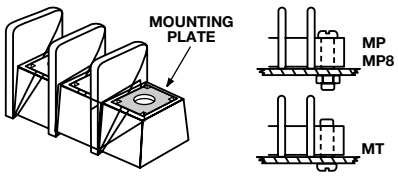
Option AB
Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part no. **2AB**.

Drilled Right Angle (A2, LP2 only)



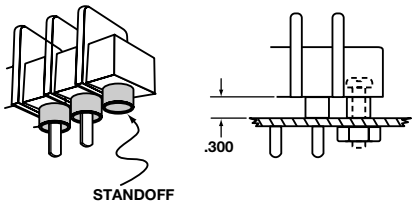
Option DR
Counterbored holes across mount ends of block enable fastening with two screws at right angles to normal mount position.

Mounting Plates



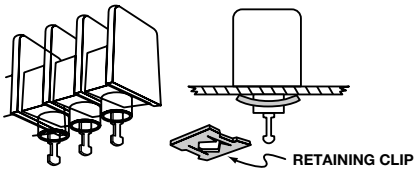
Options MP, MP8 & MT
MP Metal inserts with .150" dia. hole accept #6 screw. **MP8** Metal inserts with .187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

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**.

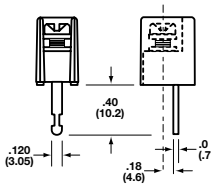
Series CB2000
Single Row Terminal Blocks

Part Numbering System

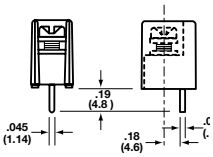
Series	Terminal Style	Base/End	Poles	Screws	Options
CB2	☐☐	☐	☐☐	☐☐☐☐	☐☐☐
CB2 - closed back	**01** - handwired **02** - printed circuit **03** - non feed-thru **07** - extended pin **14** - printed circuit **22** - dual tail printed circuit	**1** - mount end **2** - barrier end	**02** to **32** **02** to **30** on mount end base	**03** - stainless steel **04** - brass nickel plated **07** - steel SEMS standard **09** - brass SEMS nickel plated **CA** - captive screw **07CA** - SEMS captive	**AB** - angle mounting brackets (pg 11) **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 22) **LT1** to **LT6** marking options (pg 22) **OJ2** & **OJ4** - over barrier jumpers **MP, MP8, MT** & **MT8** mtg. plates (pg 11) **S1** - solder lug/flat **Covers** - (pg.23)

Terminal Styles

Inches (Millimeters)



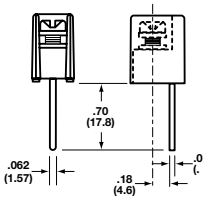
01
Handwired



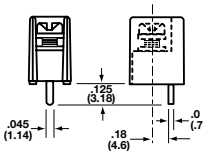
02
Printed Circuit



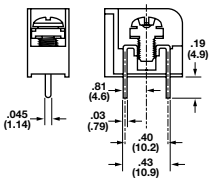
03
Non Feed-Thru
Available on Mount
End (1) only.



07
Extended Pin



14
Printed Circuit



22
Dual Tail
Printred Circuit

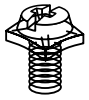
Screw Options



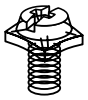
03
Stainless Steel



04
Brass
Nickel Plated



07
Steel SEMS
Zinc Plated

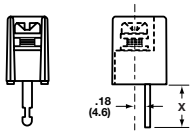


09
Brass SEMS
Nickel Plated

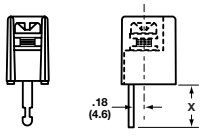
**** NOTE: Wire ready screws standard on all terminal styles.***

CB2 Terminal Exit Options

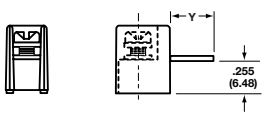
Inches (Millimeters)



Exit Rear (std.)



EF Exit Front

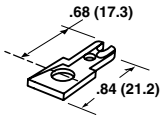


EB Exit Back

Series CB2000
Single Row Terminal Blocks

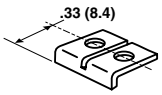
Hardware Options (Bulk ordering part numbers are in parentheses.) Inches (Millimeters)

Solder Lugs



S1
(2S1)

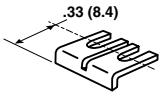
Jumpers



JA
(JA2-XX)



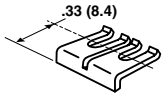
OJ2



JB
(JB2-XX)

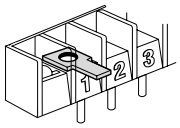


OJ4

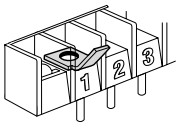


JC
(JC2-XX)

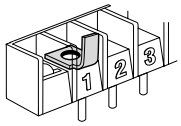
Quick Connects
Blade Width A = .250". Blade Width B = .187".



A7 & **B7**
(2A7 & **2B7)**



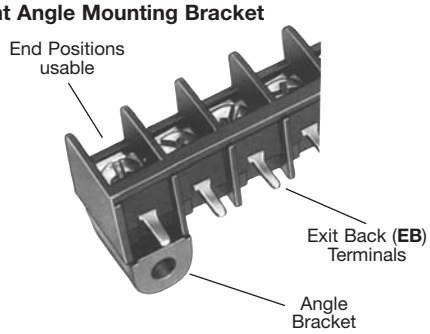
A8 & **B8**
(2A8 & **2B8)**

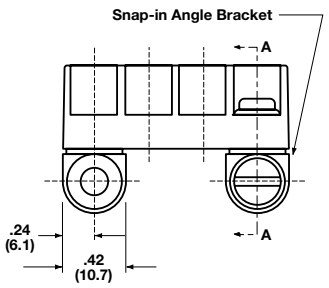


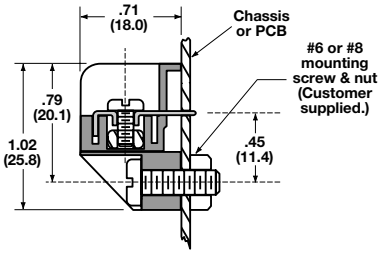
A9 & **B9**
(2A9 & **2B9)**

Mounting Options Inches (Millimeters)

Right Angle Mounting Bracket



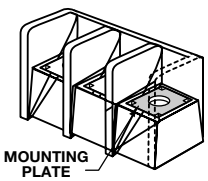


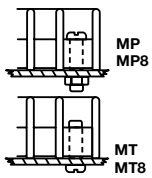


Option AB

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.