Series A2000, LP2000 & CB2000

Single Row Terminal Blocks

SPECIFICATIONS

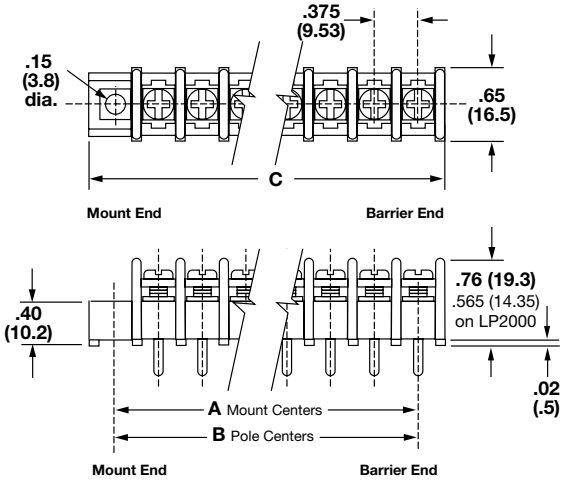
Rating: A2: 30A, 300V*
LP2: 30A, 150V*
CB2: 30A, 300V*
Center Spacing: .375" or 3/8" (9.52 mm)
Wire Range: #12-22 AWG CU
Screw Size: #6-32 zinc plated philslot
Torque Rating: 9 in-lb.
Base: Standoffs standard for easy flux washing
Distance Between Barriers: .32" (8.1 mm)
Recommended PCB Hole Diameter: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

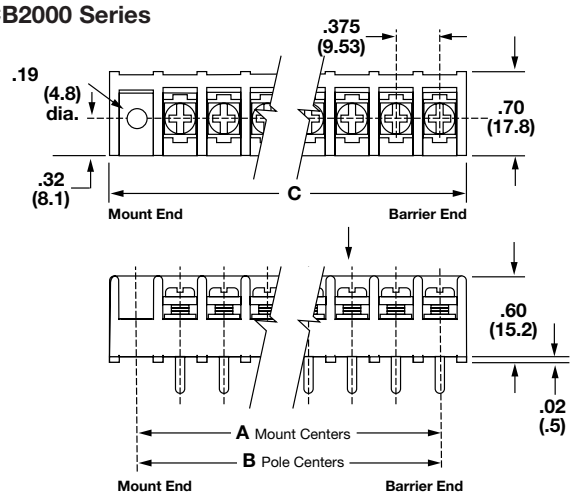
Poles	MOUNTING ENDS ONLY A Mount Ctrs.	MOUNTING ENDS ONLY C Length	BARRIER & MOUNTING ENDS B Pole Ctrs.	BARRIER ENDS ONLY C Length
02	1.13	1.56	.38	.81
03	1.50	1.93	.75	1.18
04	1.88	2.30	1.13	1.56
05	2.25	2.68	1.50	1.93
06	2.63	3.06	1.88	2.31
07	3.00	3.43	2.25	2.68
08	3.38	3.81	2.63	3.06
09	3.75	4.18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

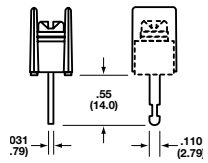
Single Row Terminal Blocks

Part Numbering System

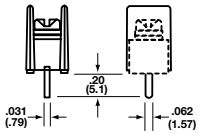
Series	Terminal Style	Base/End	Poles	Screw Options	Options
A 2					
L P 2	☐☐	☐	☐☐	☐☐☐☐	☐☐☐
A2 - standard barrier **LP2** - low profile barrier	**01** - handwired **02** - printed circuit **03** - non feed-thru **04** - wire wrap tail **05** - extended handwired **06** - handwired **07** - extended pin **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)

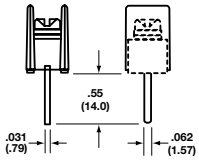


01
Handwired

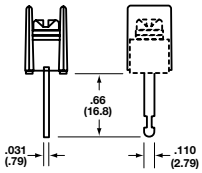


02
Printed Circuit

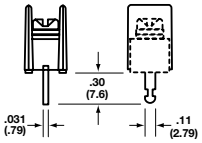
03
Non Feed-Thru



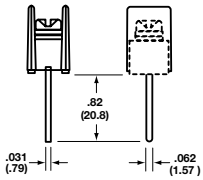
04
Wire Wrap Tail



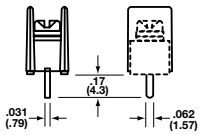
05
Extended Handwired



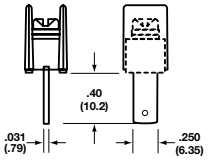
06
Handwired



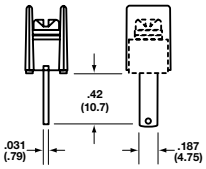
07
Extended Pin



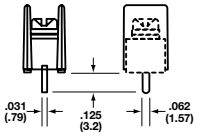
08
Printed Circuit



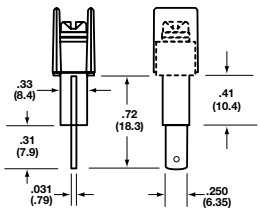
09
.250 QC short



10
.187 QC



14
Printed Circuit



19
.250 QC long

Series A2000 & LP2000

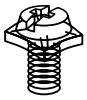
Single Row Terminal Blocks *Continued*

Screw Options

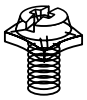
Standard
Zinc Plated Steel

03
Stainless Steel

04
Brass
Nickel Plated



07
Steel SEMS



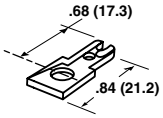
09
Brass SEMS
Nickel Plated

07WR
Wire Ready
(A2 only)

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

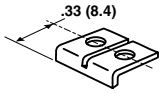
Inches (Millimeters)

Solder Lugs

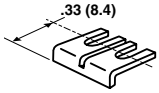


S1
(2S1)

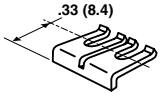
Jumpers



JA
(JA2-XX)



JB
(JB2-XX)

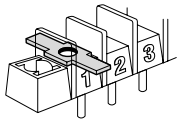


JC
(JC2-XX)

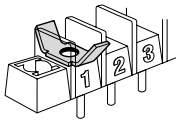
OJ2

OJ4

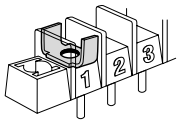
Quick Connects
Blade Width A = .250" Blade Width B = .187"



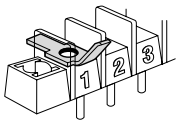
A1 & B1
(2A1 & 2B1)



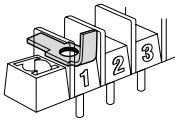
A2 & B2
(2A2 & 2B2)



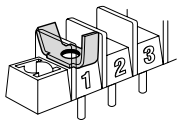
A3 & B3
(2A3 & 2B3)



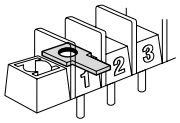
A4 & B4
(2A4 & 2B4)



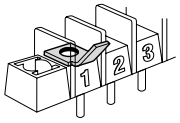
A5 & B5
(2A5 & 2B5)



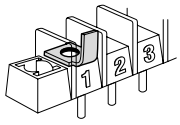
A6 & B6
(2A6 & 2B6)



A7 & B7
(2A7 & 2B7)

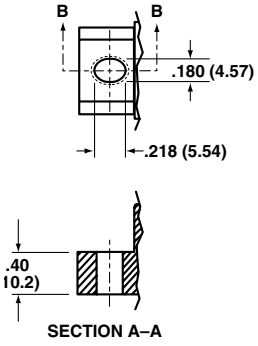


A8 & B8
(2A8 & 2B8)

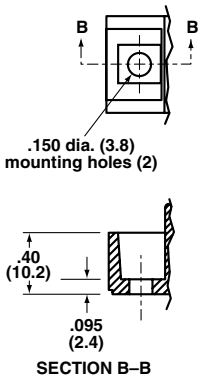


A9 & B9
(2A9 & 2B9)

Base/End Options



0, 6 & 9
Molded Mount End



1, 3 & 5
Mount End

Series A2000 & LP2000

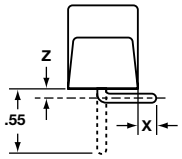
Single Row Terminal Blocks *Continued*

Mounting Options

Right Angle Bends (A2, LP2 only)

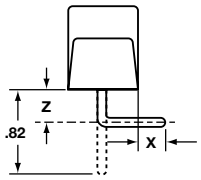
Right angle terminals are offered on the A2000 & LP2000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding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

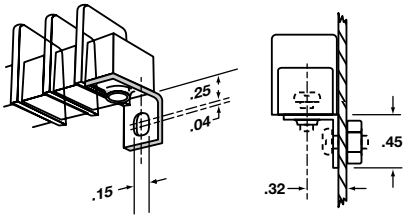
07 Terminal Bend Configurations



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

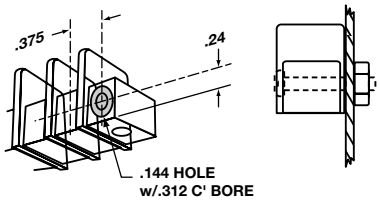
Dimensions in inches. To convert to millimeters, multiply by 25.4.

Angle Brackets (A2, LP2 only)



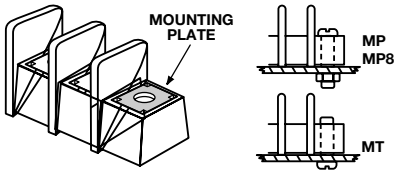
Option AB
Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part no. **2AB**.

Drilled Right Angle (A2, LP2 only)



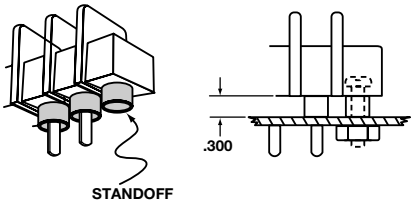
Option DR
Counterbored holes across mount ends of block enable fastening with two screws at right angles to normal mount position.

Mounting Plates



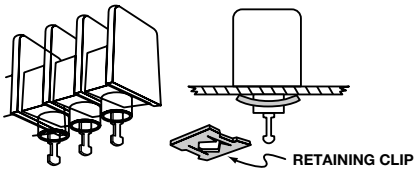
Options MP, MP8 & MT
MP Metal inserts with .150" dia. hole accept #6 screw. **MP8** Metal inserts with .187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

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

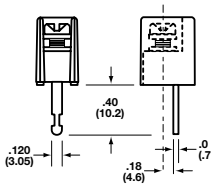
Single Row Terminal Blocks

Part Numbering System

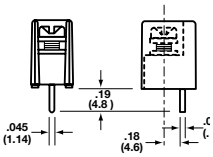
Series	Terminal Style	Base/End	Poles	Screws	Options
C B 2	☐☐	☐	☐☐	☐☐☐☐	☐☐☐
CB2 - closed back	**01** - handwired **02** - printed circuit **03** - non feed-thru **07** - extended pin **14** - printed circuit **22** - dual tail printed circuit	**1** - mount end **2** - barrier end	**02** to **32** **02** 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)

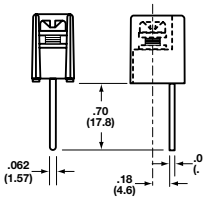


01
Handwired

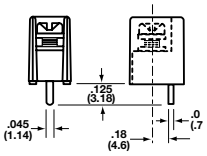


02
Printed Circuit

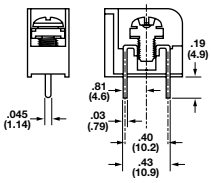
03
Non Feed-Thru
Available on Mount
End (1) only.



07
Extended Pin



14
Printed Circuit

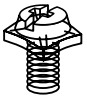


22
Dual Tail
Printred Circuit

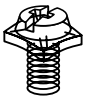
Screw Options

03
Stainless Steel

04
Brass
Nickel Plated



07
Steel SEMS
Zinc Plated

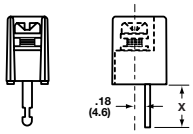


09
Brass SEMS
Nickel Plated

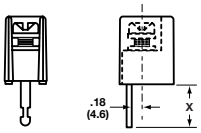
**** NOTE: Wire ready screws standard on all terminal styles.***

CB2 Terminal Exit Options

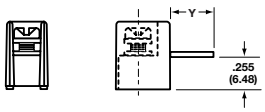
Inches (Millimeters)



Exit Rear (std.)



EF Exit Front



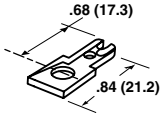
EB Exit Back

Series CB2000
Single Row Terminal Blocks

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

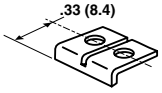
Inches (Millimeters)

Solder Lugs



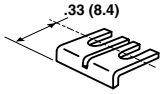
S1
(2S1)

Jumpers



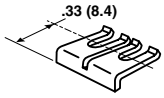
JA
(JA2-XX)

OJ2



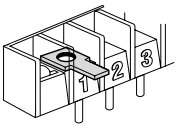
JB
(JB2-XX)

OJ4

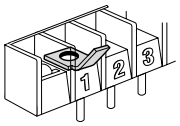


JC
(JC2-XX)

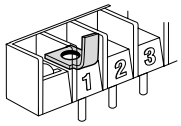
Quick Connects
Blade Width A = .250”. Blade Width B = .187”.



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



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

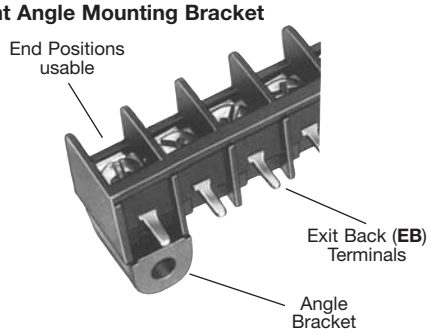


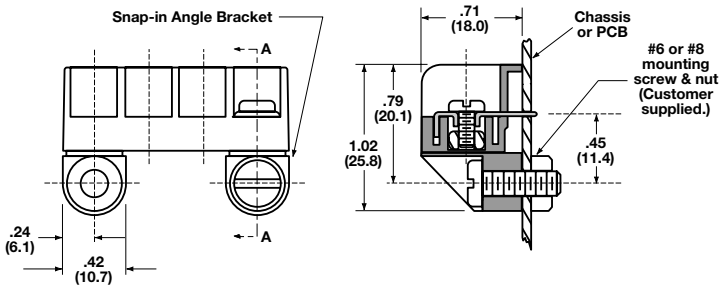
A9 & **B9**
(2A9 & **2B9)**

Mounting Options

Inches (Millimeters)

Right Angle Mounting Bracket

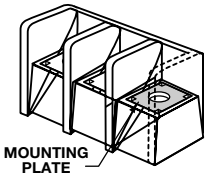


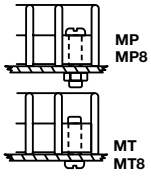


Option AB

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.

Mouser Electronics

Authorized Distributor

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Cooper Bussmann:

LP201103 LP201106 LP201106MP LP201206 LP201209 LP20130207 LP202104CA LP202104MT LP202105 LP20210507 LP20210604MP LP202107MT LP202109MT LP202110 LP202112 LP20220307 LP20220407 LP20220507 LP202205A3 LP202206 LP20220604 LP20220803 LP20220809 LP20220907 LP202210A3 LP20221107 LP202213 LP20221407 LP20221507 LP20221607 LP202217 LP20221707 LP202218 LP20222007 LP202221 LP202224 LP203102A2 LP203103A2 LP203103MP LP20310400 LP203105MP LP20310604CA LP203106MPS1 LP20310703 LP203108 LP20310907 LP203112B2B3MP LP203114B2B3MP LP203115A3 LP20311603 LP203118B2B3MP LP203130A3 LP203130A6 LP20320207 LP20350207S1 LP203503 LP20350300MP LP203504 LP203506B1B2B3 LP20351304 LP203514 LP204002 LP20410209 LP204104 LP20410709 LP204112 LP204202R50 LP20420407R50 LP204204R50 LP204205 LP204212 LP204212R46 LP204212R48 LP204406 LP20440603 LP20600304 LP206104 LP206120 LP206122 LP206204 LP206205 LP207112R36 LP20720304 LP207206L5 LP207208 LP207410R46 LP20820207CA LP20820707 LP208208 LP208210 LP20910207 LP210202 LP210312 LP214104B8 LP21410604 LP214203 LP214204 LP214205 LP21421204 LP21421400