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 philslot
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

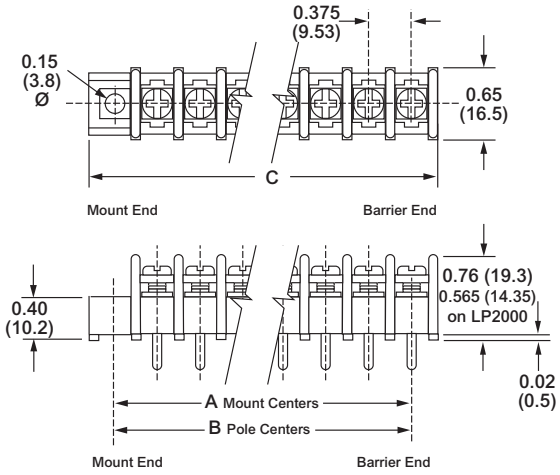
**30A Rating achieved with a #10 copper wire crimped to a ring terminal.; 20A Rating without ring terminal.*

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	0.38	0.81
03	1.50	1.93	0.75	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

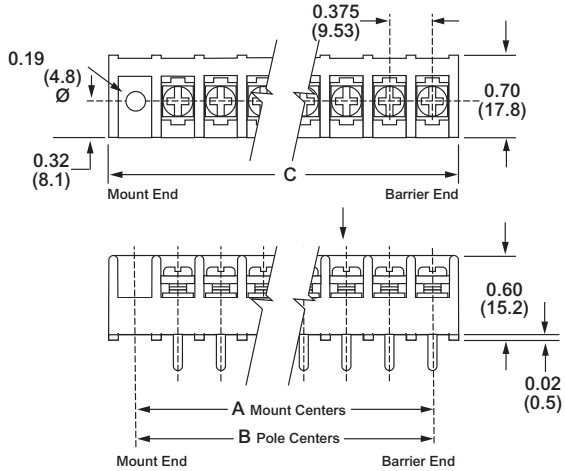
* Dimensions in inches. To convert to millimeters, multiply by 25.4.

Dimensions - in (mm)

A2000 & LP2000 Series



CB2000 Series



COOPER Bussmann

Series A2000 & LP2000

Single Row Terminal Blocks

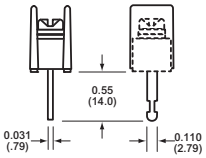
Part Numbering System

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)

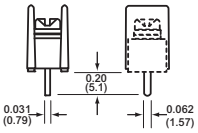
†Contact factory for configuration..

Terminal Styles

Inches (Millimeters)

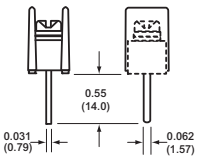


01
Handwired

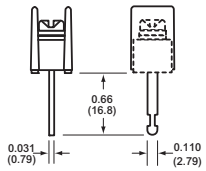


02
Printed Circuit

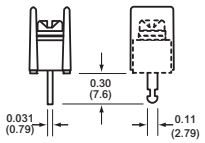
03
Non Feed-Thru



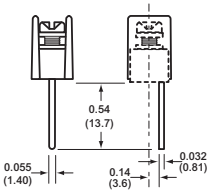
04
Wire Wrap Tail



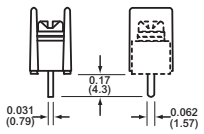
05
Extended Handwired



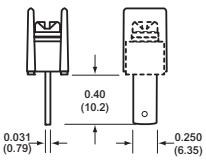
06
Handwired



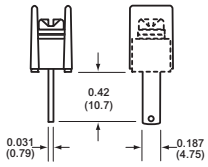
07
Extended Pin



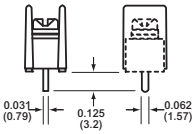
08
Printed Circuit



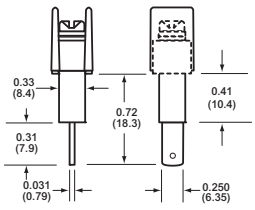
09
0.250˝ QC short



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

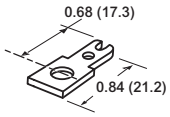
09
Brass SEMS
Nickel-Plated

WR
Wire Ready

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

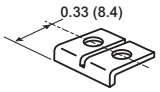
Inches (Millimeters)

Solder Lugs



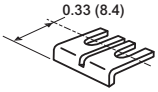
S1
(2S1-J)

Jumpers



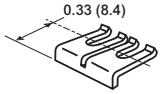
†JA
(JA2-XX-J)

†OJ2
(OJ2-J)



†JB
(JB2-XX-J)

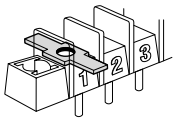
†OJ4
(OJ4-J)



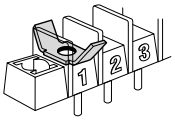
†JC
(JC2-XX-J)

†Contact factory for configuration.

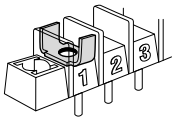
Quick Connects
Blade Width A = 0.250" Blade Width B = 0.187"



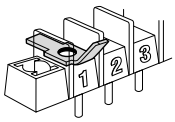
A1 & **B1**
(2A1-J & **2B1-J)**



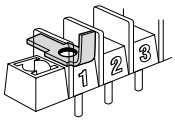
A2 & **B2**
(2A2-J & **2B2-J)**



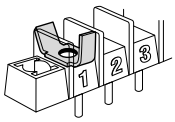
A3 & **B3**
(2A3-J & **2B3-J)**



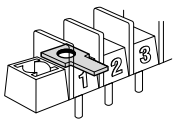
A4 & **B4**
(2A4-J & **2B4-J)**



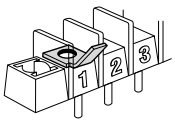
A5 & **B5**
(2A5-J & **2B5-J)**



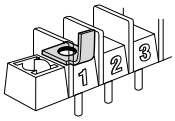
A6 & **B6**
(2A6-J & **2B6-J)**



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



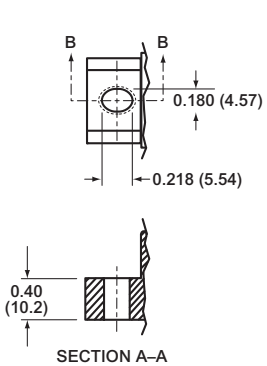
A8 & **B8**
(2A8-J & **2B8-J)**



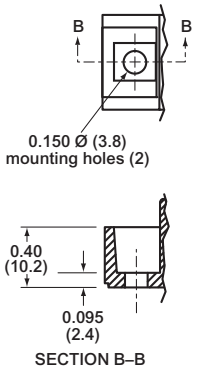
A9 & **B9**
(2A9-J & **2B9-J)**

Base/End Options

Inches (Millimeters)



0, 6 & 9
Molded Mount End



1, 3 & 5
Mount End

COOPER Bussmann

Series A2000 & LP2000

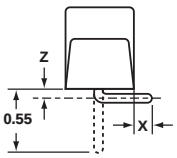
Single Row Terminal Blocks *Continued*

Mounting Options

Right Angle Bends (A2, LP2 only)

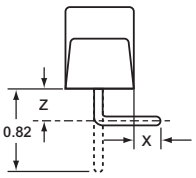
Right angle terminals are offered on the A2000 & LP2000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding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

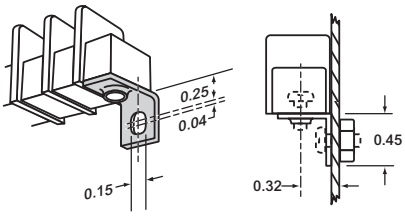
07 Terminal Bend Configurations



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

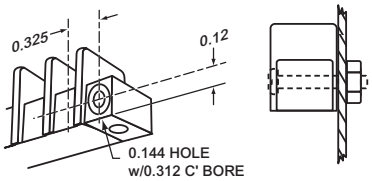
Dimensions in inches. To convert to millimeters, multiply by 25.4.

Angle Brackets (A2, LP2 only)



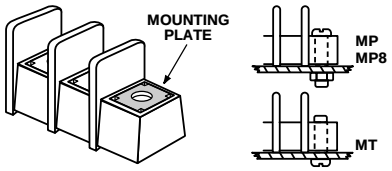
Option AB
Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part number **2AB-J**.

Drilled Right Angle (A2, LP2 only)



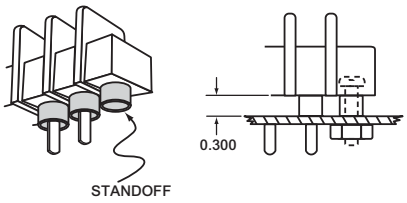
Option DR
Counterbored holes across mount ends of block enable fastening with two screws at right angles to normal mount position.

Mounting Plates



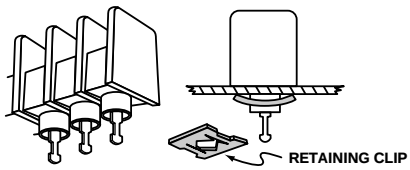
Options MP, MP8 & MT
MP Metal inserts with 0.150" dia. hole accept #6 screw. **MP8** Metal inserts with 0.187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

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**.

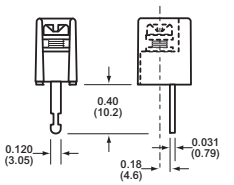
Series CB2000
Single Row Terminal Blocks

Part Numbering System

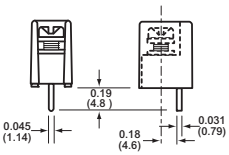
Series	Terminal Style	Base/End	Poles	Screws	Options
CB2	☐☐	☐	☐☐	☐☐☐☐	☐☐☐
CB2 - closed back	**01** - handwired **02** - printed circuit **03** - non feed-thru **07** - extended pin **14** - printed circuit **22** - dual tail printed circuit	**1** - mount end **2** - barrier end	**02** to **32** **02** 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** - 0.250" QC **B7** to **B9** - 0.187" 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

*Only available on 3-poles and up.
†Contact factory for configuration.

Terminal Styles
Inches (Millimeters)

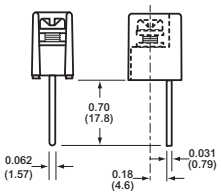


01
Handwired

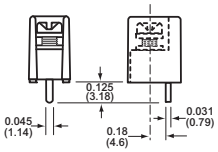


02
Printed Circuit

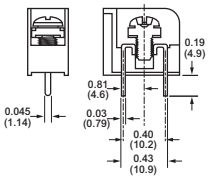
03
Non Feed-Thru
Available on Mount
End (1) only.



07
Extended Pin



14
Printed Circuit

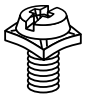


22
Dual Tail
Printred Circuit

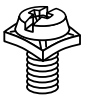
Screw Options (Bulk ordering part numbers are in parentheses.)

03
Stainless Steel
(F507-J)

04
Brass
nickel-plated
(F506-J)



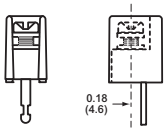
07
Steel SEMS
zinc-plated
(BOO1-7084-J)



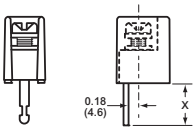
09
Brass SEMS
nickel-plated
(F524-J)

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

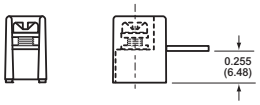
CB2 Terminal Exit Options
Inches (Millimeters)



Exit Rear (std.)



EF Exit Front



EB Exit Back

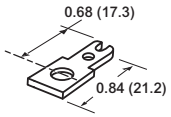
COOPER Bussmann

Series CB2000
Single Row Terminal Blocks

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

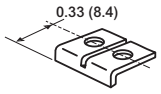
Inches (Millimeters)

Solder Lugs

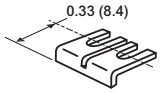


S1
(2S1-J)

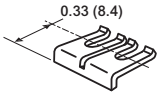
Jumpers



†JA
(JA2-XX-J)



†JB
(JB2-XX-J)

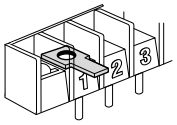


†JC
(JC2-XX-J)

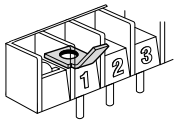
†OJ2
(OJ2-J)

†OJ4
(OJ4-J)

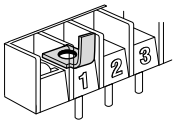
Quick Connects
Blade Width A = 0.250". Blade Width B = 0.187".



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



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



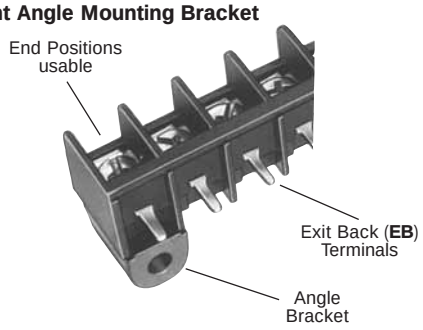
A9 & **B9**
(2A9-J & **2B9-J)**

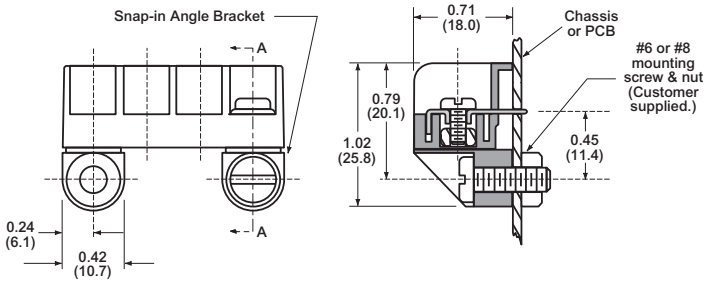
†Contact factory for configuration.

Mounting Options

Inches (Millimeters)

Right Angle Mounting Bracket

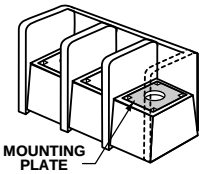


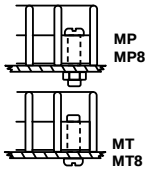


Option AB

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