

## 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;

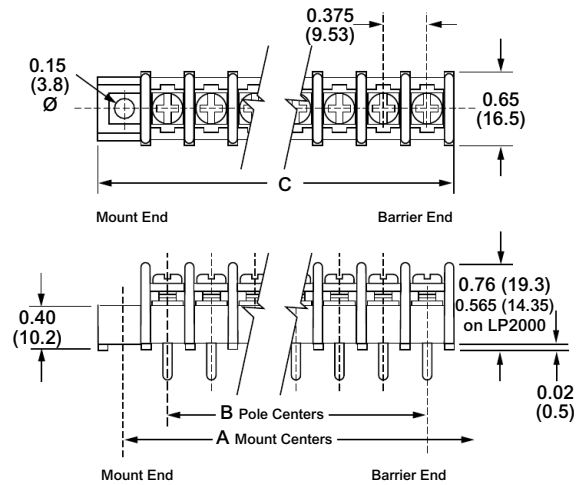
IEC Compliance; CE Certified

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

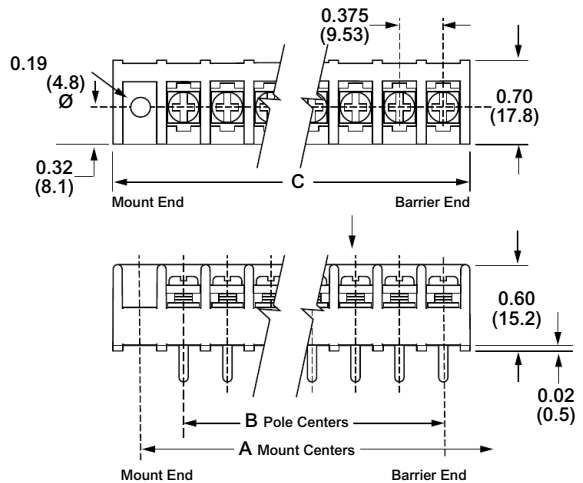


#### Dimensions - in (mm)

##### A2000 & LP2000 Series



##### CB2000 Series



Poles	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS B Pole Ctrs.	BARRIER ENDS ONLY C Length
	A Mount Ctrs.	C Length		
02	1.13	1.56	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.

Terminal Blocks:  
Single Row

EuroMag Series

Edge Connectors,  
One-Sided Boards

Compliance  
References

**Series A2000 & LP2000**  
Single Row Terminal Blocks

**Part Numbering System**

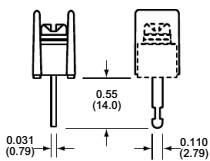
Series	Terminal Style	Base/End	Poles	Screw Options	Options
<b>A</b> <b>2</b>					
<b>LP</b> <b>2</b>					
<b>A2</b> - standard barrier <b>LP2</b> - low profile barrier	<b>01*</b> - handwired <b>02</b> - printed circuit <b>03</b> - non feed-thru <b>04</b> - wire wrap tail <b>06</b> - handwired <b>07</b> - extended pin <b>08</b> - printed circuit <b>09</b> - 0.250" QC short <b>10</b> - 0.187" QC <b>14</b> - printed circuit <b>19</b> - 0.250" QC long	<b>1</b> - std. base/mnt. end <b>2</b> - std. base/barrier end <b>3</b> - insulator base/mnt. end <b>4</b> - insulator base/barrier end <b>5</b> - closed base/mount end <b>6</b> - closed base/molded mount end	<b>02 to 32</b> <b>02 to 30</b> on mount end base	Blank - std. screw <b>00</b> - screws shipped bulk <b>03*</b> - stainless steel <b>04</b> - brass nickel-plated <b>07</b> - steel SEMS (not available with hardware options) <b>09*</b> - brass SEMS nickel-plated (not available with hardware options) <b>CA**</b> - captive screw <b>WR</b> - wire ready (not available on LP2 series)	<b>AB*</b> - angle mnt. options (pg 11) <b>A1 to A9</b> - 0.250" QC <b>B1 to B9</b> - 0.187" QC <b>DR*</b> - drilled right angle (pg 11) <b>L1 to L6</b> marking options (pg 25) <b>MP*</b> mounting plates (pg 11) <b>RC*</b> - retaining clips (pg 11) <b>R30 to R77</b> - right angle bends (pg 11) <b>S1*</b> - solder lug/flat <b>JA***</b> , <b>JB***</b> & <b>JC***</b> - barrier jumpers <b>OJ2***</b> & <b>OJ4***</b> - over barrier jumpers (not available w/covers) <b>Covers</b> - (pg 26)

Base/End Note: 6 style not available with covers. 5 & 6 Styles only available with 03 terminals.

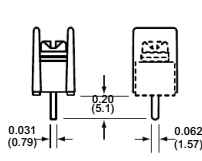
\*A2 only.  
 \*\*Not compatible with 03-stainless steel screws.  
 \*\*\*Contact factory for configuration.

**Terminal Styles**

Inches (Millimeters)



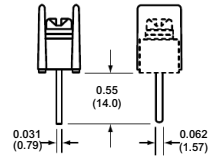
**01**  
Handwired



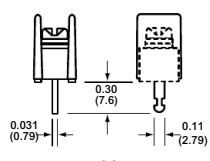
**02**  
Printed Circuit



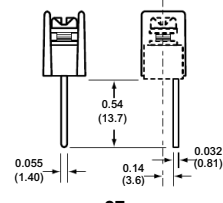
**03**  
Non Feed-Thru



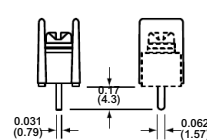
**04**  
Wire Wrap Tail



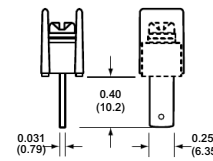
**06**  
Handwired



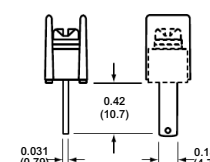
**07**  
Extended Pin



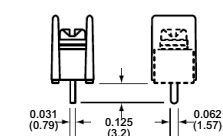
**08**  
Printed Circuit



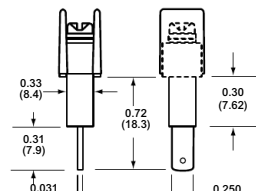
**09**  
0.250" QC short



**10**  
0.187" QC



**14**  
Printed Circuit



**19**  
0.250" QC long

**Series A2000 & LP2000**

Single Row Terminal Blocks *Continued*

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



**Standard**  
Zinc-plated Steel  
(F505-J)



**03**  
Stainless Steel  
(F507-J)



**04**  
Brass  
Nickel-Plated  
(F506-J)



**07**  
Steel SEMS  
(F523-J)



**09**  
Brass SEMS  
Nickel-Plated  
(F524-J)

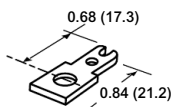


**WR**  
Wire Ready

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

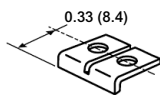
Inches (Millimeters)

**Solder Lugs**

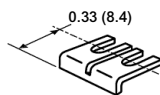


**S1**  
(2S1-J)

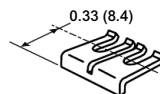
**Jumpers**



**tJA**  
(JA2-02-J)



**tJB**  
(JB2-02-J)



**tJC**  
(JC2-02-J)



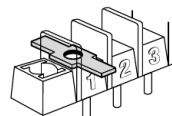
**tOJ2**  
(OJ2-J)



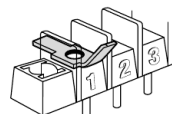
**tOJ4**  
(OJ4-J)

**Quick Connects**

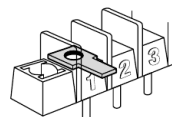
Blade Width A = 0.250" Blade Width B = 0.187"



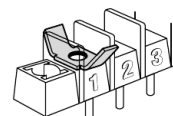
**A1 & B1**  
(2A1-J & 2B1-J)



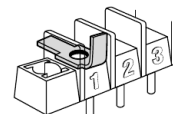
**A4 & B4**  
(2A4-J & 2B4-J)



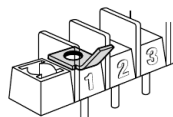
**A7 & B7**  
(2A7-J & 2B7-J)



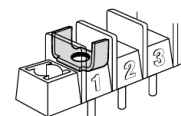
**A2 & B2**  
(2A2-J & 2B2-J)



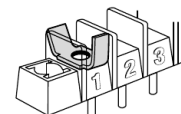
**A5 & B5**  
(2A5-J & 2B5-J)



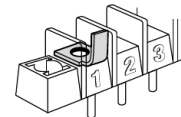
**A8 & B8**  
(2A8-J & 2B8-J)



**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**

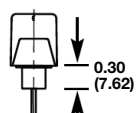
Inches (Millimeters)



**1 - Standard base/mount end**



**3 - Insulator base/mount end**



**4 - Insulator base/barrier end**

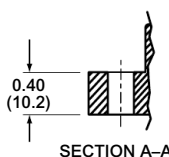
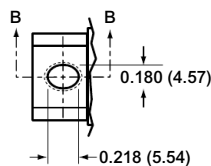


**5 - Closed base/mount end**

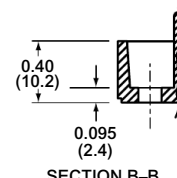
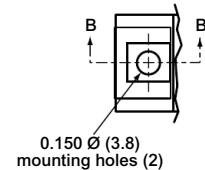


**6 - Closed base/molded mount end**

**Mount End Details**



**6**  
Molded Mount End



**1, 3 & 5**  
Mount End

Terminal Blocks:  
Single Row

EuroMag Series

Edge Connectors,  
One-Sided Boards

Compliance  
References

## Series A2000 & LP2000

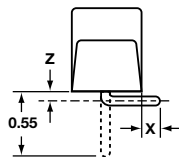
### Single Row Terminal Blocks *Continued*

### Mounting Options

#### Right Angle Bends (A2, LP2 only)

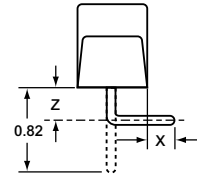
Right angle terminals are offered on the A2000 & LP2000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding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

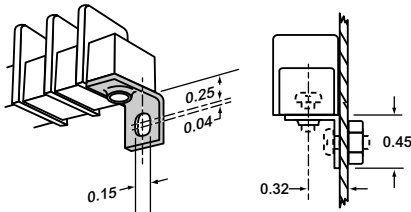
#### 07 Terminal Bend Configurations



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

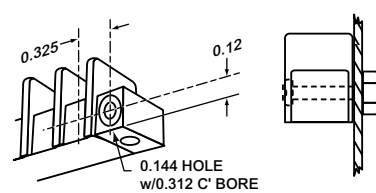
Dimensions in inches. To convert to millimeters, multiply by 25.4.

#### Angle Brackets (A2, LP2 only)



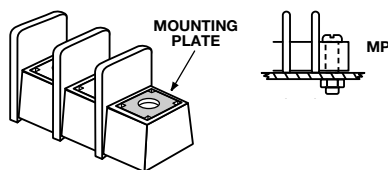
**Option AB**  
Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part number **2AB-J**.

#### Drilled Right Angle (A2, LP2 only)



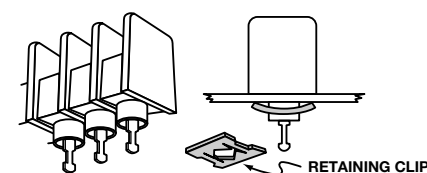
**Option DR**  
Counterbored holes across mount ends of block enable fastening with two screws at right angles to normal mount position.

#### Mounting Plates



**Option MP**  
Metal inserts with 0.150" dia. hole accept #6 screw. Bulk part number **2MP-J**.

#### 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

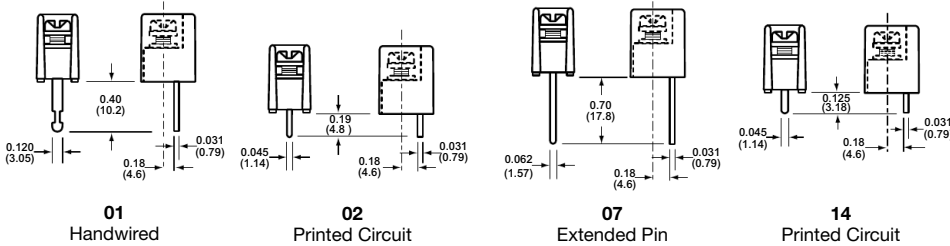
**Part Numbering System**

Series	Terminal Style	Base/End	Poles	Screws	Options
<b>CB2</b>					
<b>CB2</b> - closed back	<b>01</b> - handwired <b>02</b> - printed circuit <b>07</b> - extended pin <b>14</b> - printed circuit	<b>1</b> - mount end <b>2</b> - barrier end	<b>02 to 32</b> <b>02 to 30</b> on mount end base	<b>07</b> - steel SEMS standard <b>09</b> - brass SEMS nickel-plated <b>CA</b> - captive screw <b>07CA</b> - SEMS captive	<b>AB**</b> - angle mounting brackets (pg 13) <b>A7 to A9</b> - 0.250" QC <b>B7 to B9</b> - 0.187" QC <b>EB</b> - exit back terminals <b>EF</b> - exit front terminals <b>L1 to L6</b> marking options (pg 25) <b>LT1 to LT6</b> marking options (pg 25) <b>MP</b> mtg. plates (pg 13) <b>S1</b> - solder lug/flat <b>JA***, JB*** &amp; JC***</b> - barrier jumpers <b>OJ2*** &amp; OJ4***</b> - over barrier jumpers <b>Covers</b> - (pg 26)

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

**Terminal Styles**

Inches (Millimeters)



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



**07**  
 Steel SEMS  
 zinc-plated  
**(B001-7084-J)**

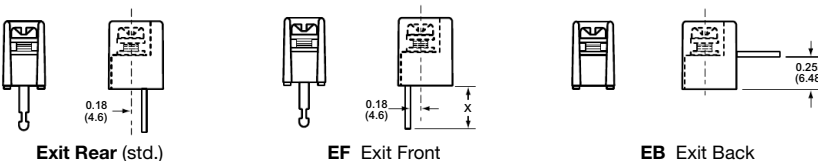


**09**  
 Brass SEMS  
 nickel-plated  
**(F524-J)**

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

**CB2 Terminal Exit Options**

Inches (Millimeters)



**Series CB2000**  
Single Row Terminal Blocks

Terminal Blocks:  
Single Row

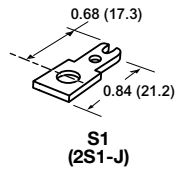
Eurolog Series

Edge Connectors,  
One-Sided Boards

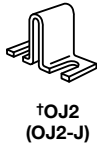
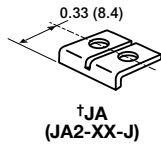
Compliance  
References

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

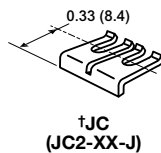
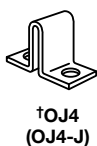
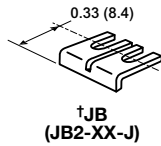
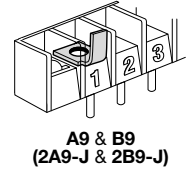
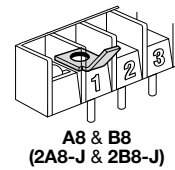
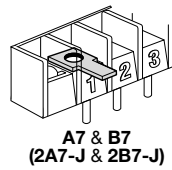
**Solder Lugs**



**Jumpers**



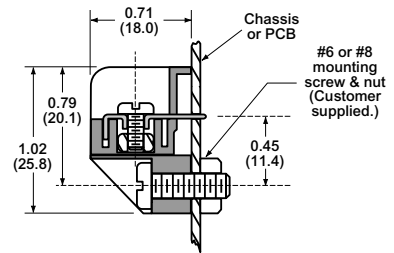
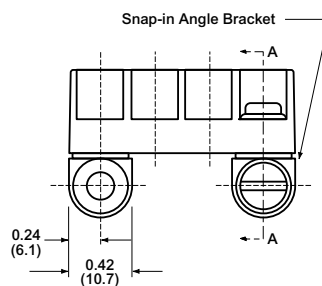
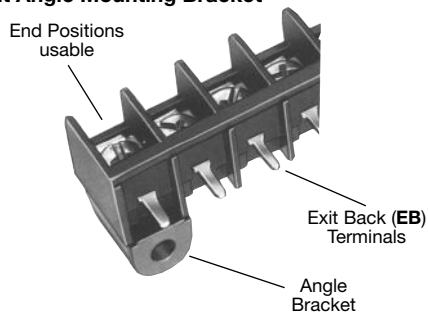
**Quick Connects**  
Blade Width A = 0.250". Blade Width B = 0.187".



†Contact factory for configuration.

**Mounting Options** Inches (Millimeters)

**Right Angle Mounting Bracket**

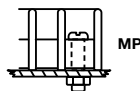
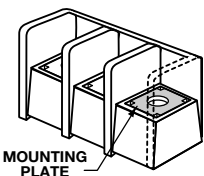


**Option AB**

**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**



**Option MP**  
**MP** Metal inserts with 0.150" dia. hole accept #6 screw.  
Bulk part number **2MP-J**.