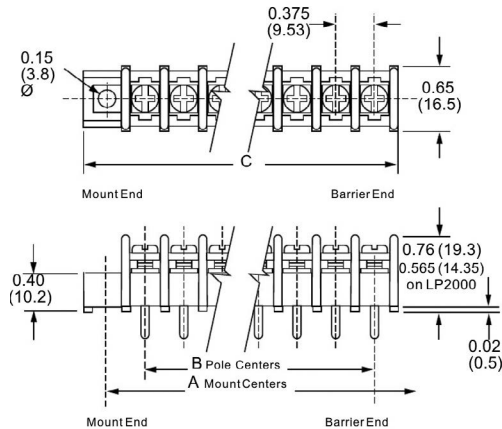


## Single Row Terminal Blocks

# A2, LP2 & CB2

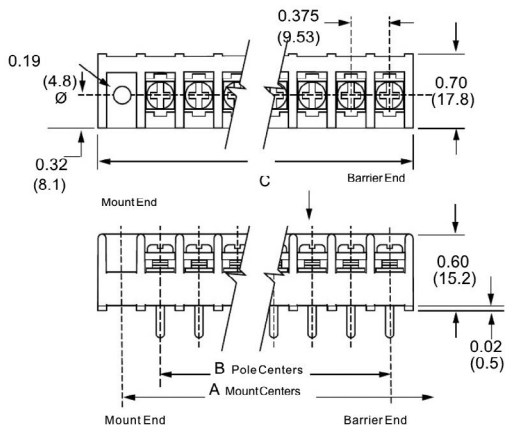
### Dimensions Inches (Millimeters)

#### A2 & LP2



#### CB2

CB20220407



### 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.

| Poles | MOUNTING ENDS ONLY |          | BARRIER & MOUNTING ENDS | BARRIER ENDS ONLY |
|-------|--------------------|----------|-------------------------|-------------------|
|       | A Mounting Ctrs.   | C Length | B Pole 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     | 1.50                    | 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    | —                  | —        | 9.00                    | 9.43              |
| 26    | —                  | —        | 9.38                    | 9.81              |



Powering Business Worldwide

## Part Numbering System

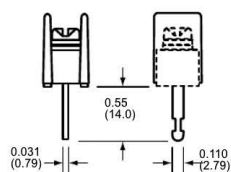
| Family                                                                                                                                                                                                                                                | Terminal Style                                                                                                                                                                                                                                                                                                            | Base/End                                                                                                                                                                                                                                                                                                                                              | Poles                                                                                                                                                               | Screw Options                                                                                                                                                                                                                                                    | Options                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                                                                                                                         |                                                                                                                                                                                                                                                                      |   |                                                                                            |                                                                                                   |
| <b>A2</b> - standard barrier<br><b>LP2</b> - low profile barrier                                                                                                                                                                                      | <b>01*</b> - handwired<br><b>02</b> - printed circuit<br><b>03</b> - non feed-thru<br><b>04</b> - wire wrap tail<br><b>06</b> - handwired<br><b>07</b> - extended pin<br><b>08</b> - printed circuit<br><b>09</b> - 0.250" QC short<br><b>10</b> - 0.187" QC<br><b>14</b> - printed circuit<br><b>19</b> - 0.250" QC long | <b>1</b> - std. base/<br>mnt. end<br><b>2</b> - std. base/<br>barrier end on<br>mount<br><b>3</b> - insulator<br>base/mnt. end<br><b>4</b> - insulator<br>base/barrier end<br><b>5</b> - closed base/<br>mount end<br><b>6</b> - closed base/<br>molded mount<br>end<br><br>Base/End<br>Note: 5 & 6<br>Styles only<br>available with 03<br>terminals. | <b>02 to 26</b> Barrier end<br><b>02 to 24</b> Mount end                                                                                                            | Blank-std. screws<br><b>00</b> - screws shipped<br>bulk<br><b>03*</b> - stainless steel<br><b>04</b> - brass nickel-plated<br><b>07</b> - steel SEMS***<br><b>09*</b> - brass SEMS<br>nickel-plated***<br><b>CA**</b> - captive screw<br><b>WR*</b> - wire ready | <b>AB*</b> - angle mnt. options (pg<br>11)<br><b>A1 to A9</b> - 0.250" QC<br><b>B1 to B9</b> - 0.187" QC<br><b>DR*</b> - drilled right angle<br>(pg 11)<br><b>L1 to L6</b> marking options<br>(pg 25)<br><b>MP*</b> mounting plates (pg 11)<br><b>R30 to R75</b> - right angle<br>bends (pg 11)<br><b>S1*</b> - solder lug/flat<br><b>Covers</b> - (pg 26) |

\* A2 only.

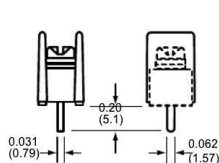
\*\* Not compatible with 03-stainless steel screws.

\*\*\* SEMS screws not available with hardware options

## Terminal Styles Inches (Millimeters)



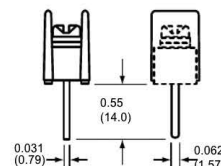
**01**  
Handwired



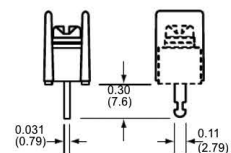
**02**  
Printed Circuit



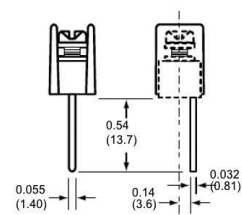
**03**  
Non Feed-Thru



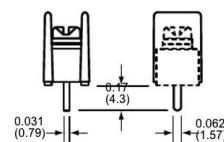
**04**  
Wire Wrap Tail



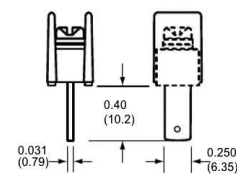
**06**  
Handwired



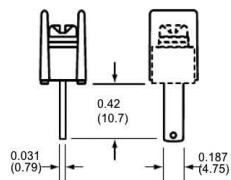
**07**  
Extended Pin



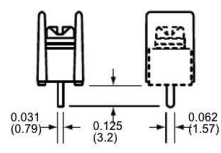
**08**  
Printed Circuit



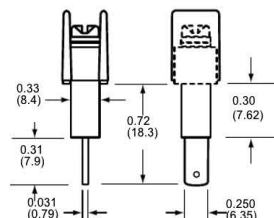
**09**  
0.250" QC short



**10**  
0.187" QC



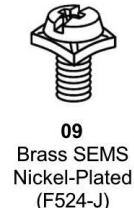
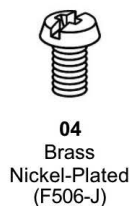
**14**  
Printed Circuit



**19**  
0.250" QC long

## Screw Options

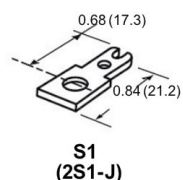
(Bulk ordering part numbers are in parentheses)



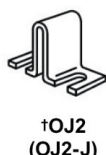
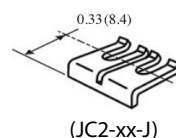
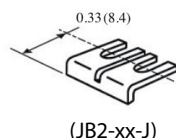
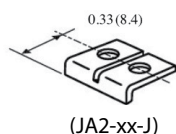
## Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

### Solder Lugs

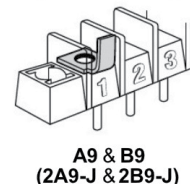
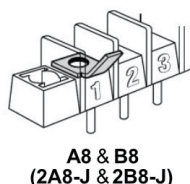
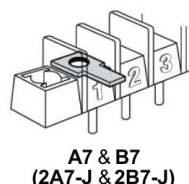
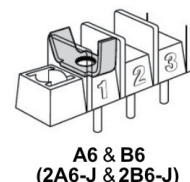
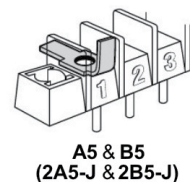
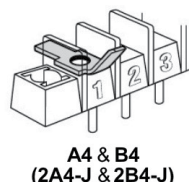
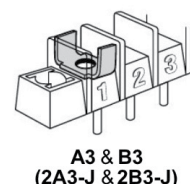
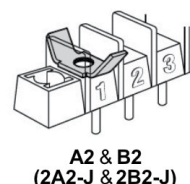
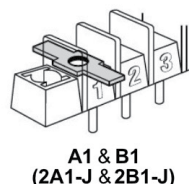


### Jumpers



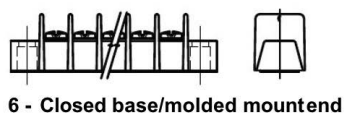
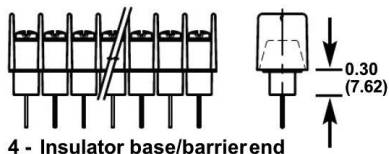
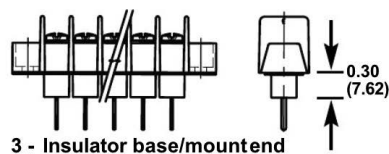
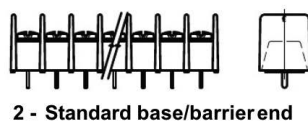
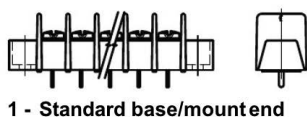
### Quick Connects

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



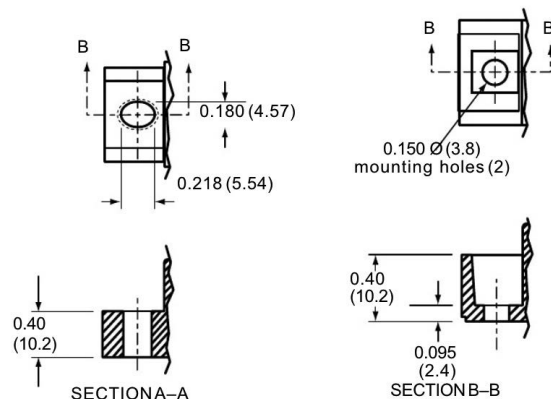
† Contact Eaton for desired configuration.

## Base/End Options Inches (Millimeters)



(not available with covers)

### Mount End Details



### 6 Molded Mount End

### 1, 3 & 5 Mount End

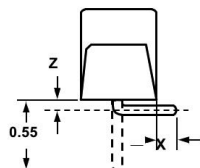
Note: On 1, 3 and 5 bases, Eaton may drill a terminal spacing to be a mount end. There will be no fit/form/function effect of mounting the product

## Mounting Options Inches (Millimeters)

### Right Angle Bends

Right angle terminals are offered on the A2 & LP2. 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.

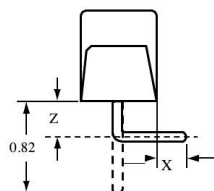
#### 04 Terminal Bend Configurations



| Bend Option Code | X (minimum) | Z    | Available with insulator base |
|------------------|-------------|------|-------------------------------|
| R35              | 0.01        | 0.23 | No                            |
| R42              | 0.08        | 0.16 | No                            |
| R46              | 0.12        | 0.12 | No                            |
| R50              | 0.16        | 0.08 | No                            |

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

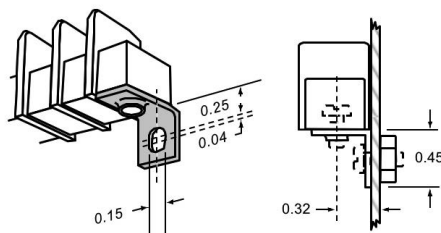
#### 07 Terminal Bend Configurations



| Bend Option Code | X (minimum) | Z    | Available with insulator base |
|------------------|-------------|------|-------------------------------|
| R35              | 0.01        | 0.50 | 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                            |
| R75              | 0.41        | 0.10 | No                            |

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

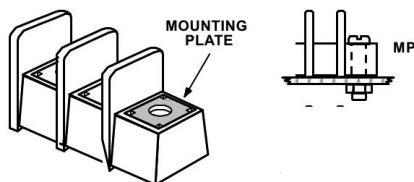
### Angle Brackets



#### Option AB

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

### Mounting Plates

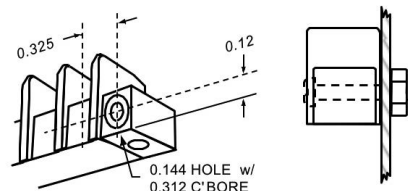


#### Options MP

**MP** Metal inserts with 0.150" dia. hole accept #6 screw.

Bulk part number **2MP-J**.

### Drilled Right Angle



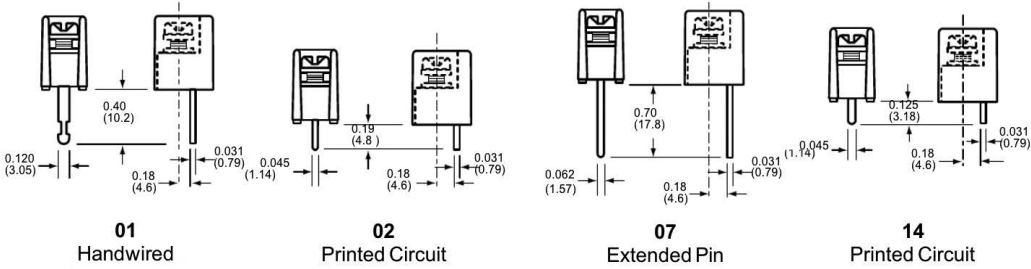
#### Option DR

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

Part Numbering System

| Family                                                              | Terminal Style                                                                                                                     | Base/End                                                        | Poles                                                                           | Screw Options                                                                                                         | Options                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>C</div> <div>B</div> <div>2</div> <div>CB2 - closed back</div> | <div></div> <div>01 - handwired</div> <div>02 - printed circuit</div> <div>07 - extended pin</div> <div>14 - printed circuit</div> | <div></div> <div>1 - mount end</div> <div>2 - barrier end</div> | <div></div> <div>02 to 26 on barrier end</div> <div>02 to 24 on mount end</div> | <div></div> <div>Blank-std. screws</div> <div>07 - steel SEMS standard</div> <div>09 - brass SEMS nickel-plated</div> | <div></div> <div>AB - angle mounting brackets (pg 13)</div> <div>A7 to A9 - 0.250" QC</div> <div>B7 to B9 - 0.187" QC</div> <div>EB - exit back terminals</div> <div>EF - exit front terminals</div> <div>L1 to L6 marking options (pg 25)</div> <div>LT1 to LT6 marking options (pg 25)</div> <div>MP mtg. plates (pg 13)</div> <div>Covers - (pg 26)</div> |

Terminal Styles Inches (Millimeters)



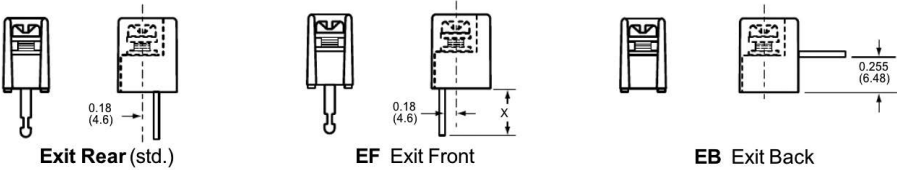
Screw Options

(Bulk ordering part numbers are in parentheses)



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

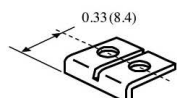
CB2 Terminal Exit Options Inches (Millimeters)



## Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

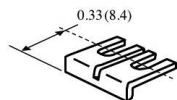
### Jumpers



†JA  
(JA2-XX-J)



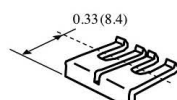
†OJ2  
(OJ2-J)



†JB  
(JB2-XX-J)



†OJ4  
(OJ4-J)

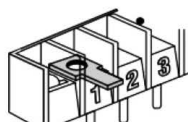


†JC  
(JC2-XX-J)

† Contact Eaton for desired configuration.

### Quick Connects

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



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



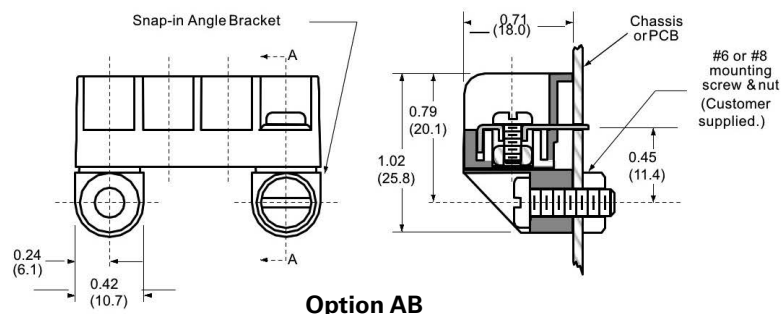
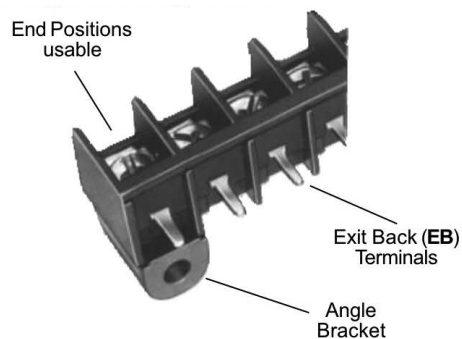
A8 & B8  
(2A8-J & 2B8-J)



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

## Mounting Options Inches (Millimeters)

### Right Angle Mounting Bracket

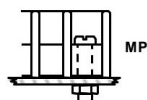
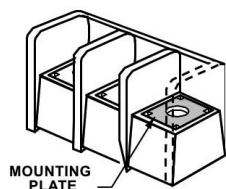


Option AB

### Mounts blocks on PC boards at a right angle.

- Protects solder joints.
- 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).
- Available on 3 pole configurations and greater

### Mounting Plates



#### Option MP

MP Metal inserts with 0.150" dia. hole accept #6 screw.

Bulk part number 2MP-J.

## Contact Us

### Sales and Customer Service

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#### South East Asia

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#### Taiwan

Email: [elx.tw@eaton.com](mailto:elx.tw@eaton.com)

### Global Technical Support

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Circuit Protection: [FuseTech@eaton.com](mailto:FuseTech@eaton.com)

Supercapacitors: [CapacitorTech@eaton.com](mailto:CapacitorTech@eaton.com)

[www.eaton.com/terminalblocks](http://www.eaton.com/terminalblocks)

## Tools

### Eaton's Electronics Product Selection Tools



#### PARAMETRIC SEARCH

Drill down into the Eaton Electronics product database to find the right part for your application.



#### IC MATCHING

Find the Eaton Electronics parts called out on IC manufacturers' demo and evaluation boards.



#### CROSS REFERENCE

Find a cross to a competitor's product or to an alternate Eaton Electronics part number.



#### SUPERCAPACITOR CALCULATOR

Determine your calculated requirements and design capability.



#### TERMINAL BLOCK SELECTOR

Find the right terminal block for any application.



#### AUTOMOTIVE ELECTRONICS SOLUTIONS

Find electronics components for automotive solutions.

[tools.eatonelectronics.com](http://tools.eatonelectronics.com)