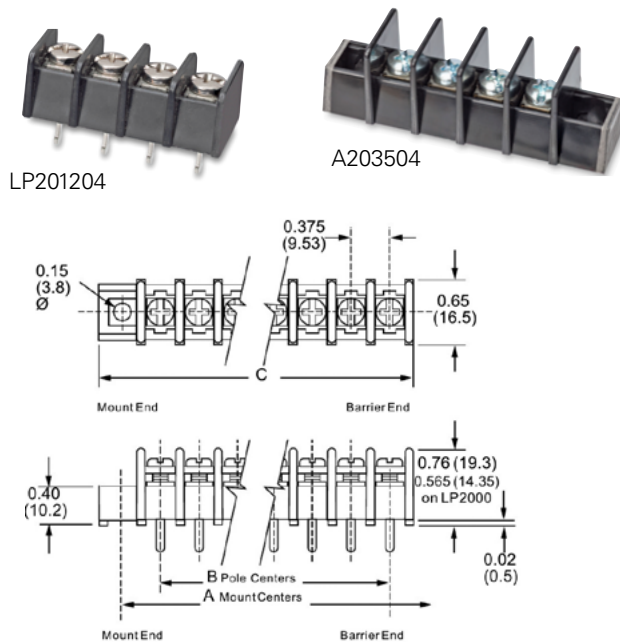


## Single Row Terminal Blocks

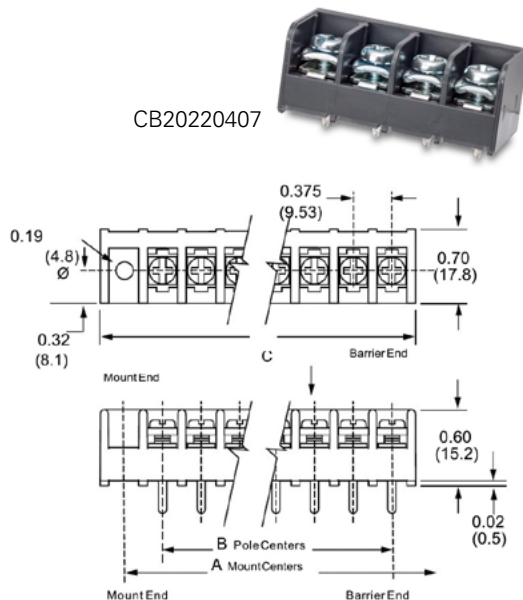
# A2, LP2 & CB2

### Dimensions Inches (Millimeters)

#### A2 & LP2



#### CB2



### 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 |          |
|-------|--------------------|----------|-------------------------|----------|
|       | 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     | 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    | —                  | —        | 9.00                    | 9.43     |
| 26    | —                  | —        | 9.38                    | 9.81     |

Eaton's single row terminal blocks may, on occasion, have various cosmetic variations on their ends due to machining operations that achieve the proper number of poles required. Cutting and machining blemishes are permissible and have no effect on the fit, form or function of the product.



Powering Business Worldwide

## Part Numbering System

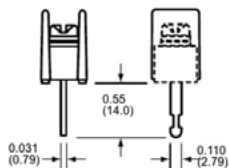
| Family                                                                                                                                                              | Terminal Style                                                                                                                                                                                                                                                                                                            | 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 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.

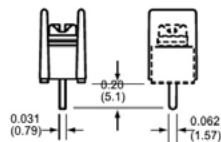
\*\* Not compatible with 03-stainless steel screws.

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

## Terminal Styles Inches (Millimeters)



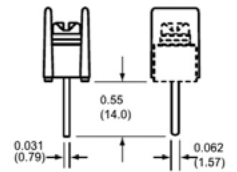
**01**  
Handwired



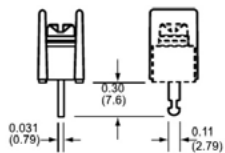
**02**  
Printed Circuit



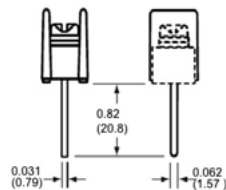
**03**  
Non Feed-Thru



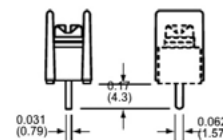
**04**  
Wire Wrap Tail



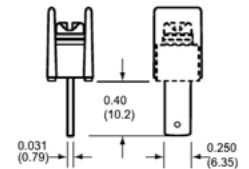
**06**  
Handwired



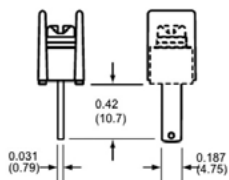
**07**  
Extended Pin



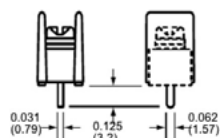
**08**  
Printed Circuit



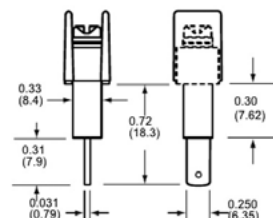
**09**  
0.250" QC short



**10**  
0.187" QC



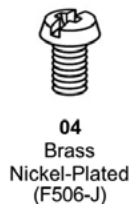
**14**  
Printed Circuit



**19**  
0.250" QC long

## Screw Options

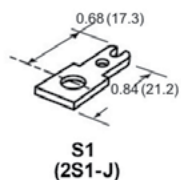
(Bulk ordering part numbers are in parentheses)



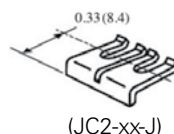
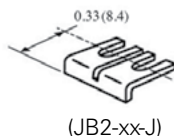
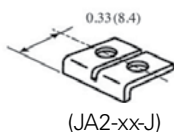
## Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

### Solder Lugs

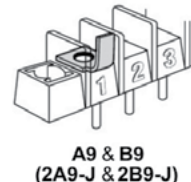
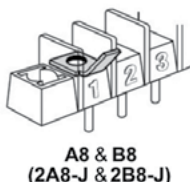
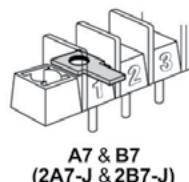
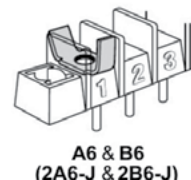
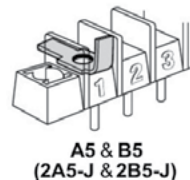
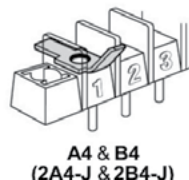
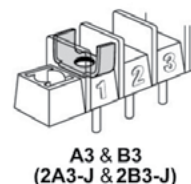
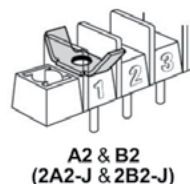
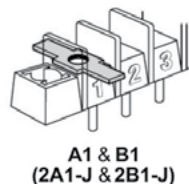


### Jumpers



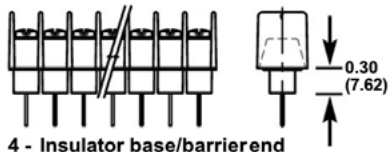
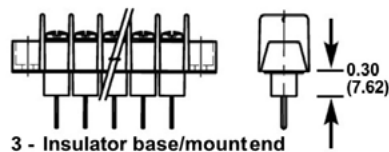
### Quick Connects

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



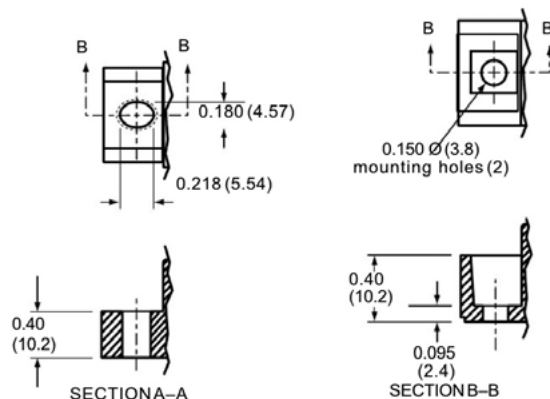
† Contact Eaton for desired configuration.

## Base/End Options Inches (Millimeters)



(not available with covers)

### Mount End Details



### 6 Molded Mount End

### 1, 3 & 5 Mount End

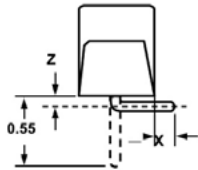
Note: On 1, 3 and 5 bases, Eaton may drill a terminal spacing to be a mount end. There will be no fit/form/function effect of mounting the product

## 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.

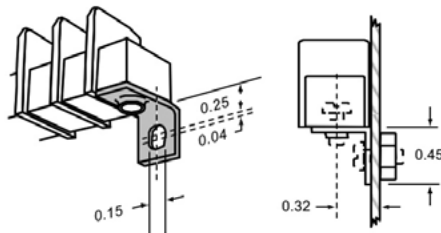
### 04 Terminal Bend Configurations



| 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.

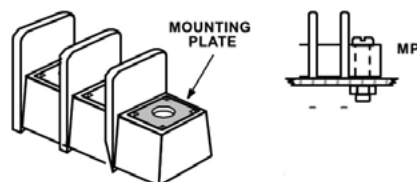
### Angle Brackets



### Option AB

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

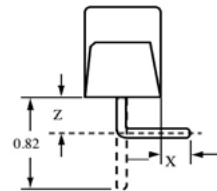
### Mounting Plates



### Options MP

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

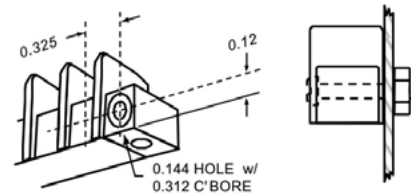
### 07 Terminal Bend Configurations



| 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.

### Drilled Right Angle



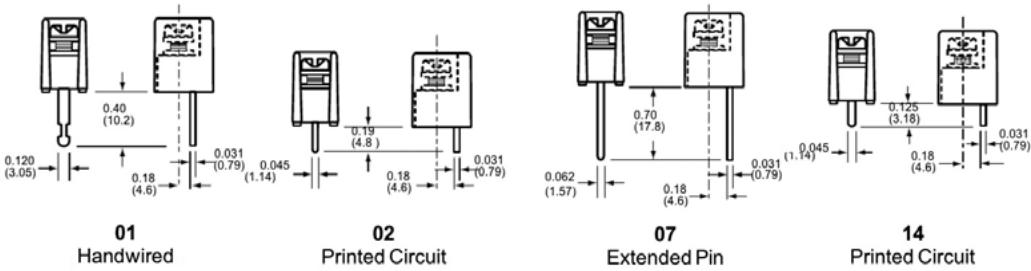
### Option DR

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></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></div> <div>02 to 26 on barrier end</div> <div>02 to 24 on mount end</div> | <div></div> <div></div> <div>Blank-std. screws</div> <div>07 - steel SEMS standard</div> <div>09 - brass SEMS nickel-plated</div> | <div></div> <div></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)



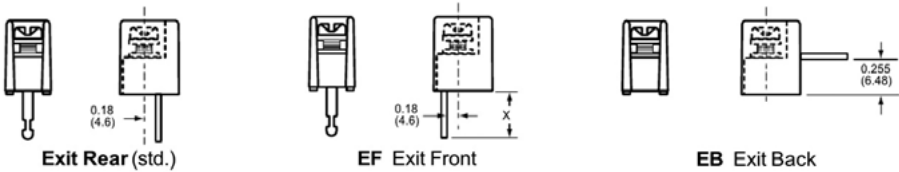
Screw Options

(Bulk ordering part numbers are in parentheses)



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

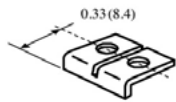
CB2 Terminal Exit Options Inches (Millimeters)



## Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

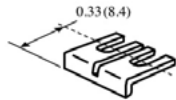
### Jumpers



†JA  
(JA2-XX-J)



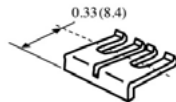
†OJ2  
(OJ2-J)



†JB  
(JB2-XX-J)



†OJ4  
(OJ4-J)

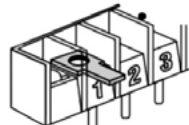


†JC  
(JC2-XX-J)

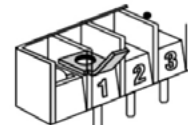
† Contact Eaton for desired configuration.

### Quick Connects

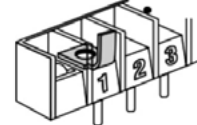
Blade Width A = 0.250". Blade Width B = 0.187".



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



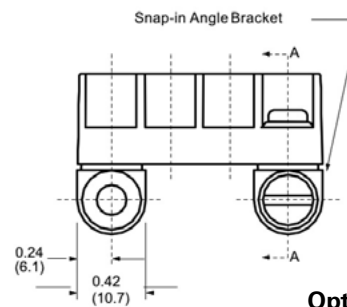
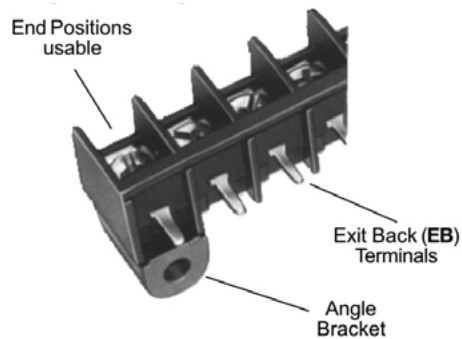
A8 & B8  
(2A8-J & 2B8-J)



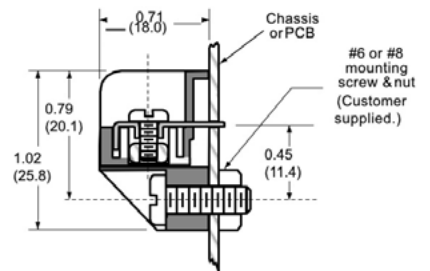
A9 & B9  
(2A9-J & 2B9-J)

## Mounting Options Inches (Millimeters)

### Right Angle Mounting Bracket



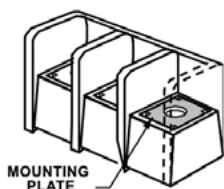
Option AB



### 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**.

## Tools & resources

- [Webpage](#)
- [Terminal block selector tool](#)
- [Terminal block cross reference](#)
- [Contact us](#)

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