

**Series A3000, LP3000 & CB3000**

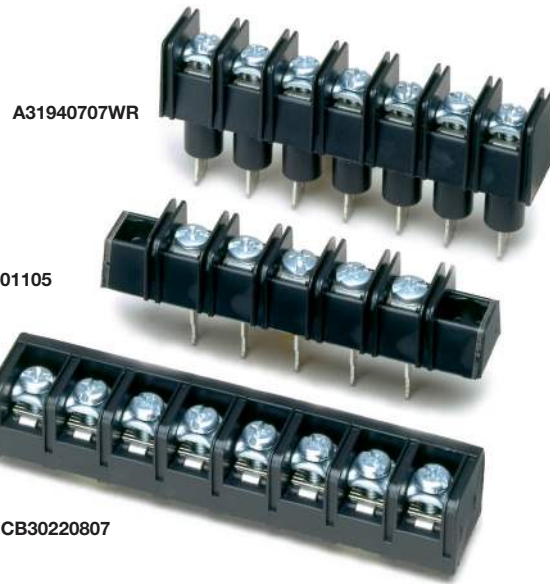
Single Row Terminal Blocks

**SPECIFICATIONS**

**Rating:** A3: 30A, 600V\* #12-22 AWG  
 LP3: 30A, 150V #12-22 AWG  
 CB3: 30A, 600V #12-22 AWG

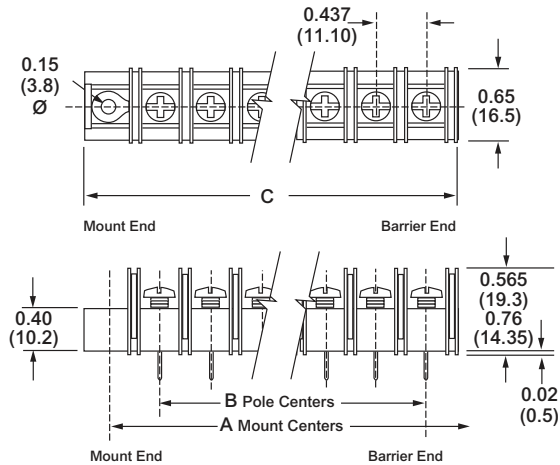
**Wire Range:** #12-22 AWG Cu  
**Center Spacing:** 0.437" or 7/16" (11.10mm)  
**Screw Size:** #6-32 zinc-plated phillips screws.  
**Torque Rating:** 9 lb-in.  
**Base:** Standoffs standard for easy flux washing.  
**Distance Between Barriers:** 0.32" (8.1mm)  
**Recommended PCB Hole Diameter:** 0.076" (1.93mm)  
**Operating Temperature:** 105°C (221°F) max., -40°C (-40°F) min.  
**Molded Material:** Black, UL Rated 94V0 Thermoplastic  
**Breakdown Voltage:** 3500V (A3 & LP3); 8200V (CB3)  
**Agency Information:** UL File E62622, CSA 47235;  
 IEC Compliance, CE Certified

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

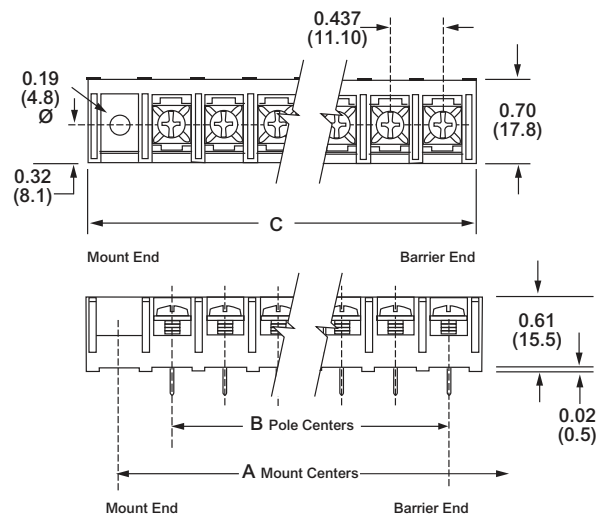


**Dimensions - in (mm)**

**A3000 & LP3000 Series**



**CB3000 Series**



Poles	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS B Pole Ctrs.	BARRIER ENDS ONLY C Length
	A Mount Ctrs.	C Length		
02	1.31	1.73	0.43	0.98
03	1.75	2.17	0.87	1.43
04	2.18	2.61	1.31	1.87
05	2.62	3.05	1.75	2.31
06	3.06	3.48	2.18	2.75
07	3.50	3.92	2.62	3.18
08	3.93	4.36	3.06	3.62
09	4.37	4.80	3.50	4.06
10	4.81	5.23	3.93	4.50
11	5.25	5.67	4.37	4.93
12	5.68	6.11	4.81	5.37
13	6.12	6.55	5.25	5.81
14	6.56	6.98	5.68	6.25
15	7.00	7.42	6.12	6.68
16	7.43	7.86	6.56	7.12
17	7.87	8.30	7.00	7.56
18	8.31	8.73	7.43	8.00
19	8.75	9.17	7.87	8.43
20	9.18	9.60	8.31	8.87
21	9.62	10.05	8.50	9.31
22	10.06	10.48	9.18	9.75
23	10.50	10.92	9.62	10.18
24	10.93	11.36	10.06	10.62
25	11.37	11.80	10.50	11.06
26	11.81	12.23	10.93	11.50
27	-	-	11.37	11.93
28	-	-	11.81	12.37

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

**Series A3000**  
Single Row Terminal Blocks

**Part Numbering System**

Series	Terminal Style	Base/End (Views pg. 15)	Poles	Screw Options	Options
<b>A3</b>					
<b>A3</b> - standard barrier	<ul style="list-style-type: none"> <li>01 - handwired</li> <li>02 - printed circuit</li> <li>03 - non feed-thru</li> <li>04 - wire wrap tail</li> <li>05 - extended handwired</li> <li>07 - extended pin</li> <li>09 - 0.250 QC short</li> <li>10 - 0.187 QC</li> <li>19 - 0.250 QC long</li> </ul>	<ul style="list-style-type: none"> <li>1 - std. base/mount end</li> <li>2 - std. base/barrier end</li> <li>3* - insulator base/mount end</li> <li>4* - insulator base/barrier end</li> <li>5** - closed base/mount end</li> </ul>	<ul style="list-style-type: none"> <li>02 to 28</li> <li>02 to 26 on mount end base</li> </ul>	<ul style="list-style-type: none"> <li>Blank - std. screw</li> <li>00 - screws shipped bulk</li> <li>03 - stainless steel</li> <li>04 - brass nickel-plated</li> <li>07 - steel SEMS zinc-plated (not available with hardware options)</li> <li>09 - brass SEMS nickel-plated (not available with hardware options)</li> <li>07WR - steel SEMS wire ready (A3 only)</li> <li>CA† - captive screw</li> </ul>	<ul style="list-style-type: none"> <li>AB - angle mnt. options (pg 20)</li> <li>A1 to A9 - 0.250" QC</li> <li>B1 to B9 - 0.187" QC</li> <li>L1 to L6 marking options (pg 27)</li> <li>MP, MT mounting plates (pg 20)</li> <li>RC - retaining clips (pg 20)</li> <li>R30 to R77 - right angle bends (pg 20)</li> <li>S1 - solder lug/flat</li> <li>J201*** - flat slip-on jumper</li> <li>OJ3***, OJ5*** &amp; OJ7*** - over barrier jumpers</li> <li>Covers - (pg 28)</li> </ul>

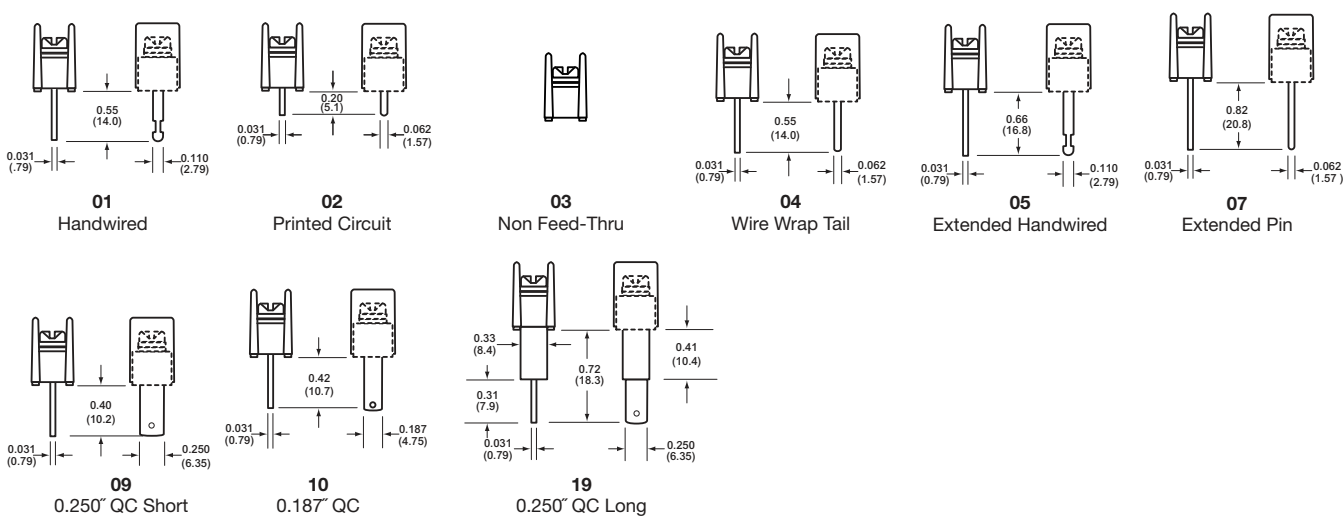
\*Base/End Styles 3 and 4 not available with 02, 03, and 09 terminals.

\*\*Base/End Note: 5 Style only available with 03 terminals.

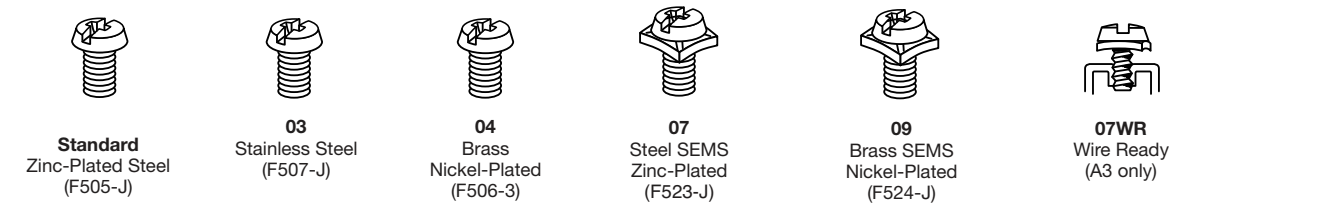
\*\*\*Contact factory for configuration.

†Not compatible with 03 stainless steel screw option.

**Terminal Styles** Inches (Millimeters)



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



**Series LP3000**

Single Row Terminal Blocks

**Part Numbering System**

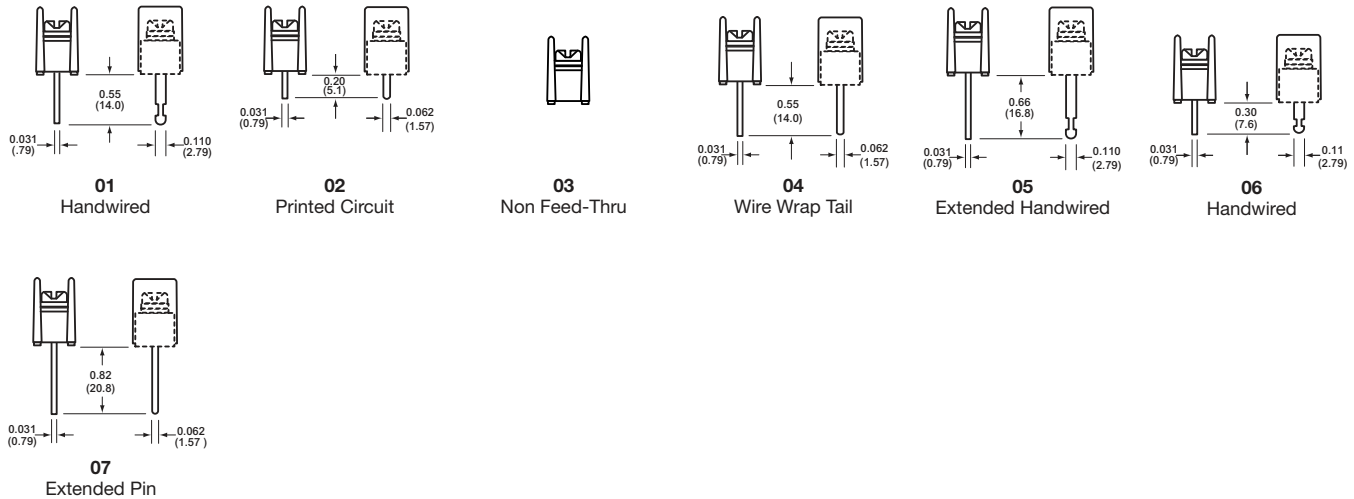
Series	Terminal Style	Base/End (Views pg. 15)	Poles	Screw Options	Options
<b>L P 3</b>					
<b>LP3</b> - low profile barrier	<b>01</b> - handwired <b>02</b> - printed circuit <b>03</b> - non feed-thru <b>04</b> - wire wrap tail <b>05</b> - extended handwired <b>06</b> - handwired <b>07</b> - extended pin	<b>1</b> - std. base/mount end <b>2</b> - std. base/barrier end <b>3*</b> - insulator base/mount end <b>4*</b> - insulator base/barrier end <b>5**</b> - closed base/mount end	<b>02 to 28</b> <b>02 to 26</b> on mount end base	<b>00</b> - std. screw <b>04</b> - brass nickel-plated <b>07</b> - steel SEMS zinc-plated (not available with hardware options) <b>07WR</b> - steel SEMS wire ready (A3 only) <b>CA</b> - captive screw	<b>A1 to A9</b> - 0.250" QC <b>B1 to B9</b> - 0.187" QC <b>L1 to L6</b> marking options (pg 27) <b>MP</b> mounting plates (pg 20) <b>R30 to R77</b> - right angle bends (pg 20) <b>J201***</b> - flat slip-on jumper <b>OJ3***, OJ5*** &amp; OJ7***</b> - over barrier jumpers <b>Covers</b> - (pg 28)

\*Base/End Style 3 and 4 only available with 01 and 05 terminals

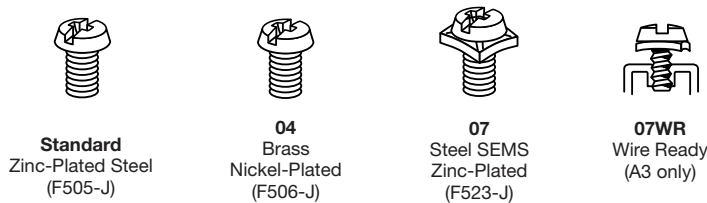
\*\*Base/End Style 5 only available with 03 terminals.

\*\*\*Contact factory for configuration.

**Terminal Styles**



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

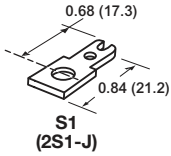


Series A3000 & LP3000  
Single Row Terminal Blocks *Continued*

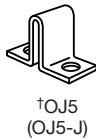
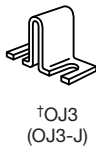
Hardware Options (Bulk ordering part numbers are in parentheses)

Inches (Millimeters)

Solder Lugs\*

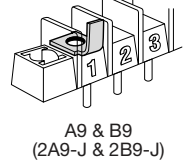
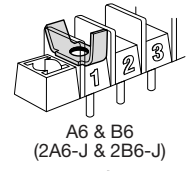
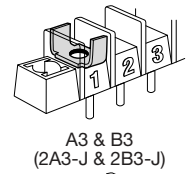
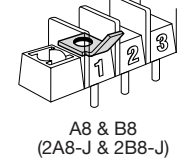
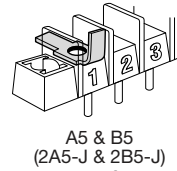
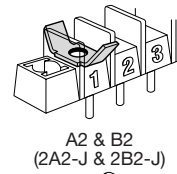
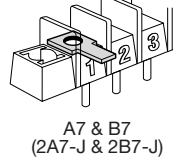
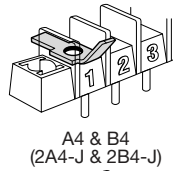
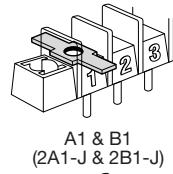


Jumpers



Quick Connects

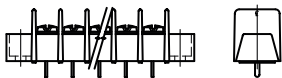
Blade Width A = 0.250" Blade Width B = 0.187"



\*A3 only  
†Contact factory for pole configuration.

Base/End Options

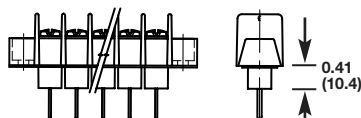
Inches (Millimeters)



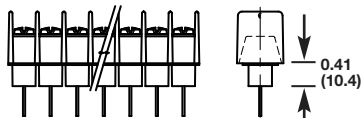
1 - Standard base/mount end



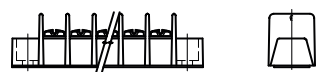
2 - Standard base/barrier end



3 - Insulator base/mount end

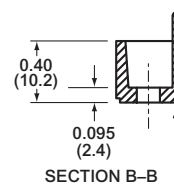
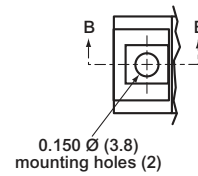


4 - Insulator base/barrier end



5 - Closed base/mount end

Mount End Details



1, 3 & 5 Mount End

## Series A3000 & LP3000

### Single Row Terminal Blocks *Continued*

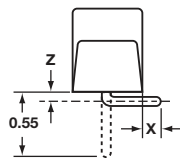
## Mounting Options

Inches (Millimeters)

### Right Angle Bends (A3, LP3 only)

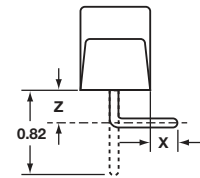
Right angle terminals are offered on the A3000 & LP3000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding 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

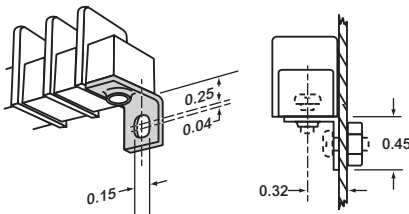
### 07 Terminal Bend Configurations



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
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.

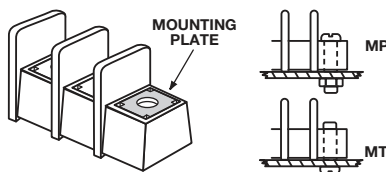
### Angle Brackets (A3 only)



### Option AB

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

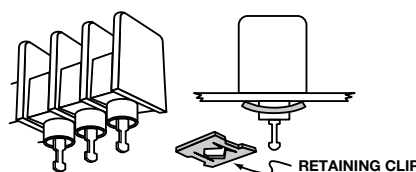
### Mounting Plates



### Options MP & MT

**MP** Metal inserts with 0.150" dia. hole accept #6 screw. **MT** Metal inserts with tapped hole accept #6-32 screw. Bulk part numbers: **2MP-J**, **2MT-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 CB3000

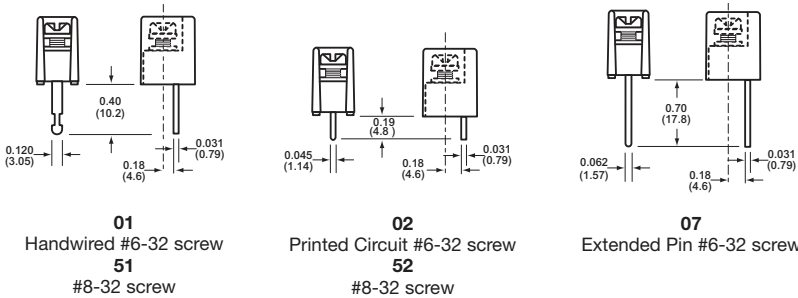
Single Row Terminal Blocks

Part Numbering System

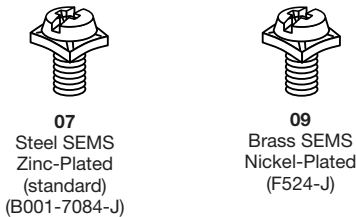
Series	Terminal Style	Base/End	Poles	Screws	Options
<b>CB3</b>					
<b>CB3</b> - closed back	<b>01</b> - handwired #6-32 screw <b>02</b> - printed circuit #6-32 screw <b>07</b> - extended pin #6-32 screw <b>51*</b> - handwired #8-32 <b>52*</b> - printed circuit #8-32	<b>1</b> - mount end <b>2</b> - barrier end	<b>02 to 28</b> <b>02 to 26</b> on mount end base	<b>07</b> - steel SEMS (standard) <b>09</b> - brass SEMS nickel-plated <b>CA</b> - SEMS captive	<b>AB</b> - angle mounting brackets (pg 22) <b>A7 to A9</b> - 0.250" QC <b>B7 to B9</b> - 0.187" QC <b>EB</b> - exit back terminals <b>L1 to L6</b> marking options (pg 27) <b>LT1 to LT6</b> marking options (pg 27) <b>MP</b> mtg. plates (pg 22) <b>OJ3** &amp; OJ7**</b> - over barrier jumpers
<p>*Note: #8-32 screw is a special with #6-32 head.                      **Contact factory for configuration.</p>					
<p><b>Covers</b> - (pg 28)</p>					

Terminal Styles

Inches (Millimeters)

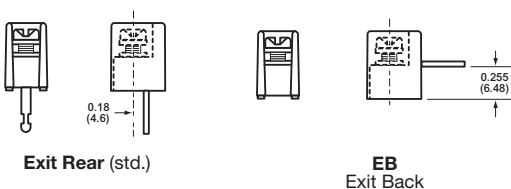


Screw Options (Bulk ordering part numbers are in parentheses)



CB3 Terminal Exit Options

Inches (Millimeters)



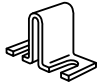
## Series CB3000

### Single Row Terminal Blocks *Continued*

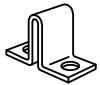
#### Hardware Options (Bulk ordering part numbers are in parentheses)

Inches (Millimeters)

##### Jumpers



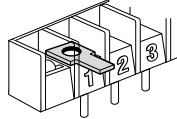
†0J3  
(OJ3-J)



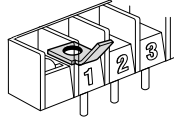
†0J7  
(OJ7-J)

##### Quick Connects

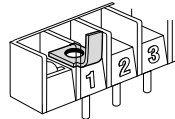
Blade Width A = 0.250". Blade Width B = 0.187".



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



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



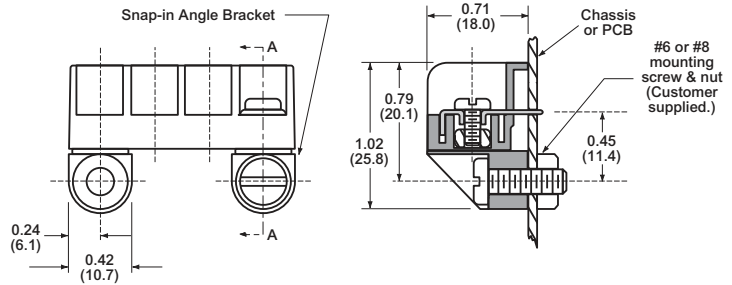
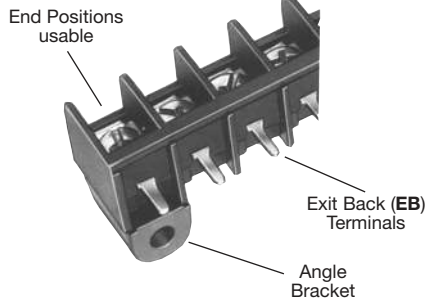
A9 & B9  
(2A9-J & 2B9-J)

†Contact factory for pole configuration.

#### Mounting Options

Inches (Millimeters)

##### Right Angle Mounting Bracket

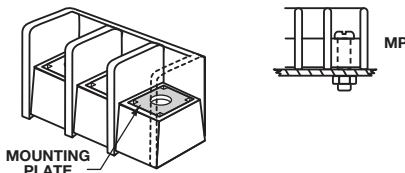


Option AB

##### 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.