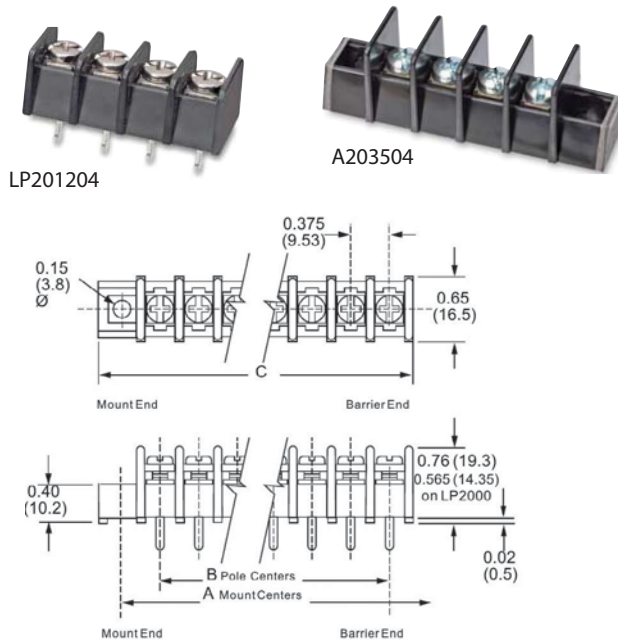


Single Row Terminal Blocks

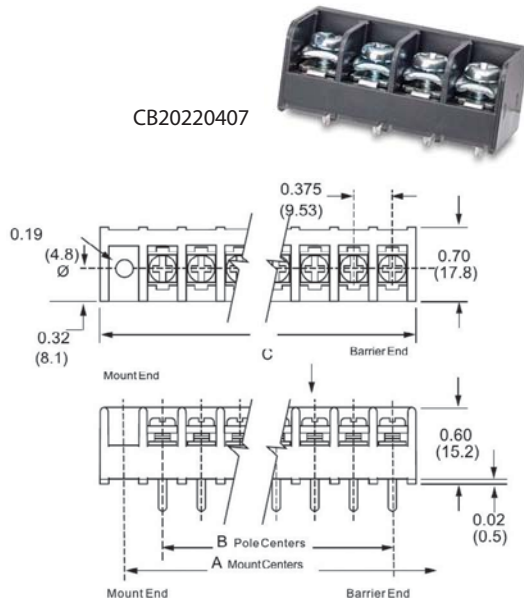
A2, LP2 & CB2

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	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

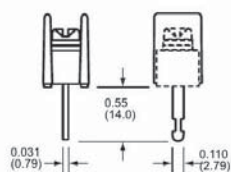
Family	Terminal Style	Base/End	Poles	Screw Options	Options
 	 		 	 	  
A2 - standard barrier LP2 - low profile barrier	01* - handwired 02 - printed circuit 03 - non feed-thru 04 - wire wrap tail 06 - handwired 07 - extended pin 08 - printed circuit 09 - 0.250" QC short 10 - 0.187" QC 14 - printed circuit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

* A2 only.

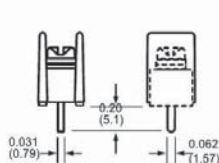
** Not compatible with 03-stainless steel screws.

*** SEMS screws not available with hardware options

Terminal Styles Inches (Millimeters)



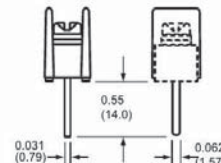
01
Handwired



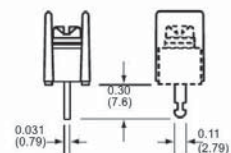
02
Printed Circuit



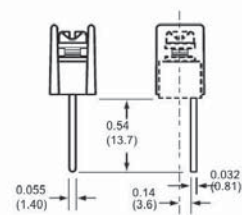
03
Non Feed-Thru



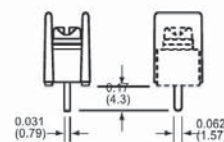
04
Wire Wrap Tail



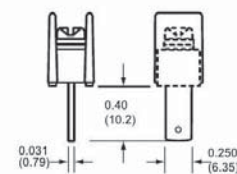
06
Handwired



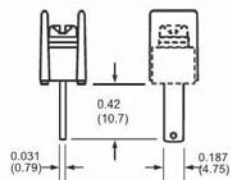
07
Extended Pin



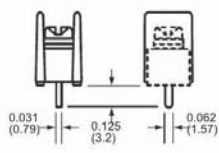
08
Printed Circuit



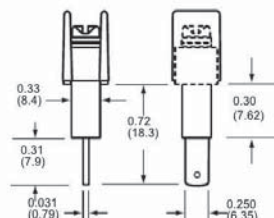
09
0.250" QC short



10
0.187" QC



14
Printed Circuit



19
0.250" QC long

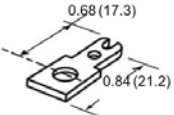
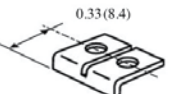
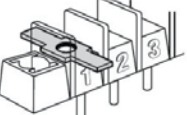
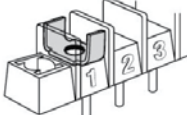
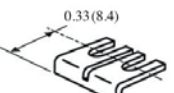
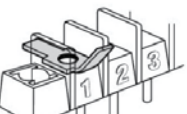
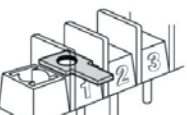
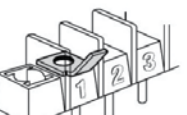
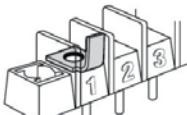
Screw Options

(Bulk ordering part numbers are in parentheses)

					
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 Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

Solder Lugs		Jumpers	Quick Connects Blade Width A = 0.250" Blade Width B = 0.187"		
					
S1 (2S1-J)		(JA2-xx-J)	A1 & B1 (2A1-J & 2B1-J)	A2 & B2 (2A2-J & 2B2-J)	A3 & B3 (2A3-J & 2B3-J)
					
		(JB2-xx-J)	A4 & B4 (2A4-J & 2B4-J)	A5 & B5 (2A5-J & 2B5-J)	A6 & B6 (2A6-J & 2B6-J)
					
		(JC2-xx-J)	A7 & B7 (2A7-J & 2B7-J)	A8 & B8 (2A8-J & 2B8-J)	A9 & B9 (2A9-J & 2B9-J)

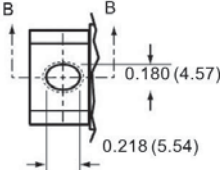
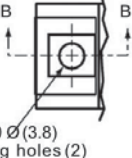
† Contact Eaton for desired configuration.

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	6 - Closed base/molded mount end

(not available with covers)

Mount End Details

	
6 Molded Mount End	1, 3 & 5 Mount End

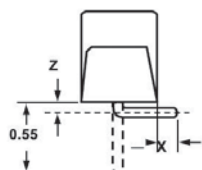
Note: On 1, 3 and 5 bases, Eaton may drill a terminal spacing to be a mount end. There will be no fit/form/function effect of mounting the product

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.

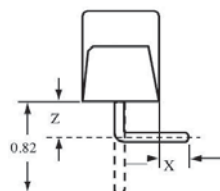
04 Terminal Bend Configurations



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.

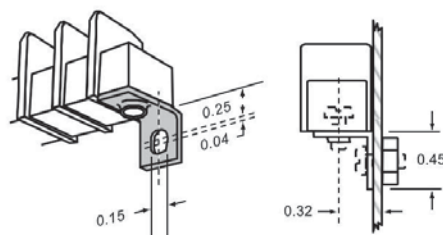
07 Terminal Bend Configurations



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.

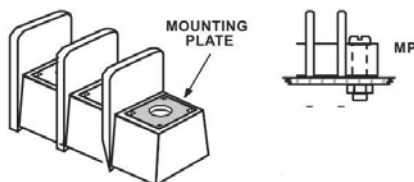
Angle Brackets



Option AB

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

Mounting Plates

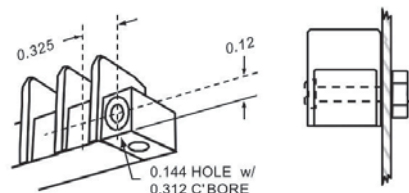


Options MP

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

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

Drilled Right Angle



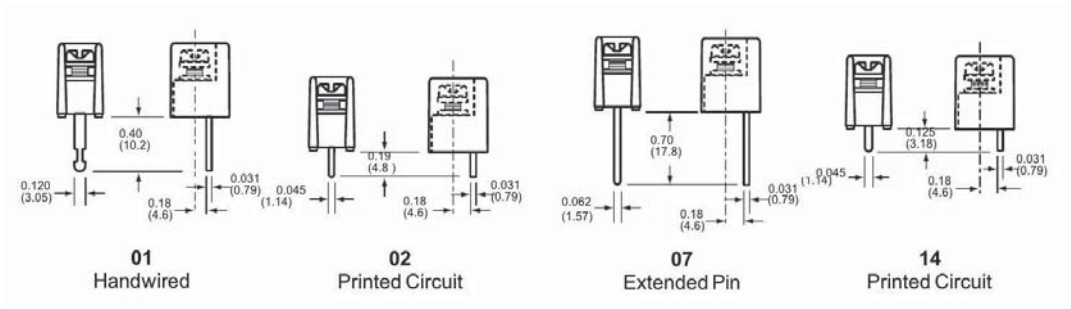
Option DR

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

Part Numbering System

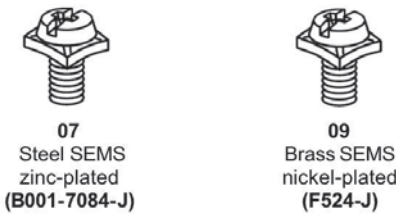
Family	Terminal Style	Base/End	Poles	Screw Options	Options
C B 2 CB2 - closed back	01 - handwired 02 - printed circuit 07 - extended pin 14 - printed circuit	1 - mount end 2 - barrier end	02 to 26 on barrier end 02 to 24 on mount end	Blank-std. screws 07 - steel SEMS standard 09 - brass SEMS nickel-plated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

Terminal Styles Inches (Millimeters)



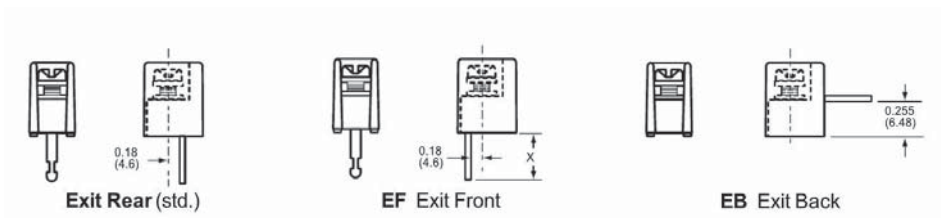
Screw Options

(Bulk ordering part numbers are in parentheses)



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

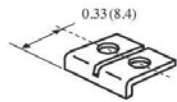
CB2 Terminal Exit Options Inches (Millimeters)



Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

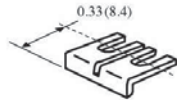
Jumpers



†JA
(JA2-XX-J)



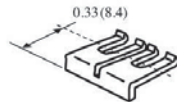
†OJ2
(OJ2-J)



†JB
(JB2-XX-J)



†OJ4
(OJ4-J)

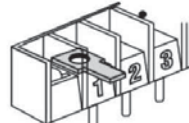


†JC
(JC2-XX-J)

† Contact Eaton for desired configuration.

Quick Connects

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



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



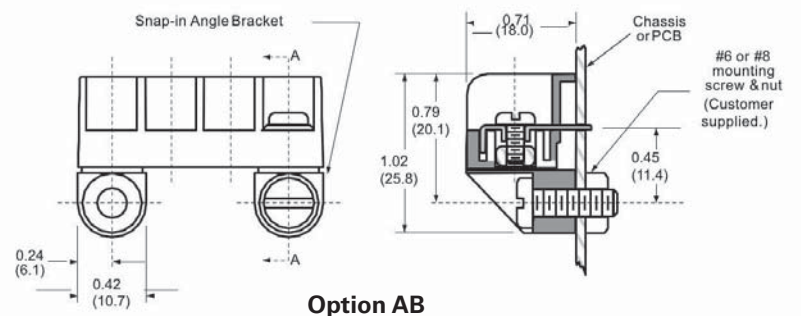
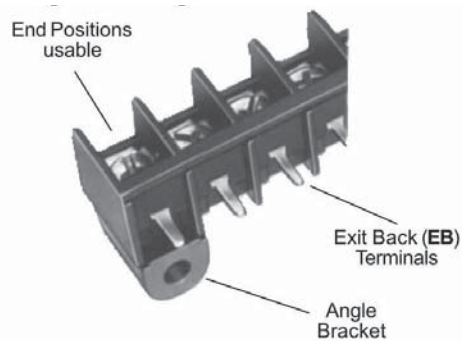
A8 & B8
(2A8-J & 2B8-J)



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

Mounting Options Inches (Millimeters)

Right Angle Mounting Bracket

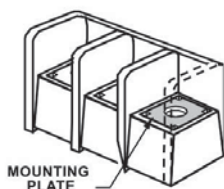


Option AB

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

Americas

Email: elx.americas@eaton.com

Europe, Middle East, Africa

Email: elx.emea@eaton.com

China

Email: elx.cn@eaton.com

Japan

Email: elx.jp@eaton.com

Korea

Email: elx.kr@eaton.com

South East Asia

Email: elx.sea@eaton.com

Taiwan

Email: elx.tw@eaton.com

Global Technical Support

Magnetics: InductorTech@eaton.com

Circuit Protection: FuseTech@eaton.com

Supercapacitors: CapacitorTech@eaton.com

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