A2, LP2 & CB2

Dimensions Inches (Millimeters)

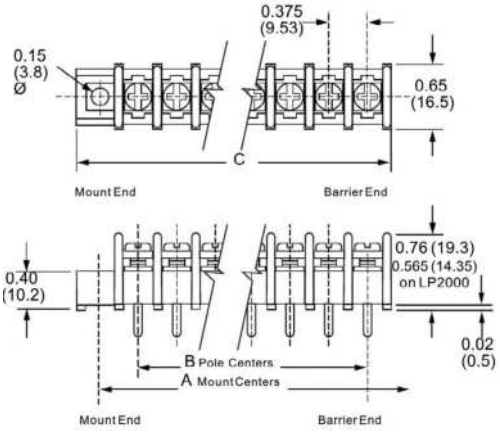
A2 & LP2



LP201204



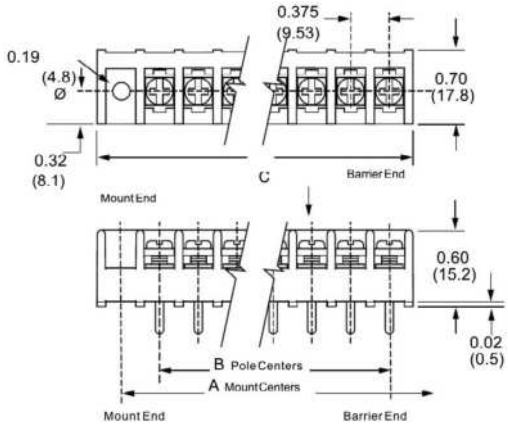
A203504



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 philslot

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.

	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS	BARRIER ENDS ONLY
Poles	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

Part Numbering System

Family

A2 - standard barrier

LP2 - low profile barrier

Terminal Style

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

Base/End

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.

Poles

02 to **26** Barrier end

02 to **24** Mount end

Screw Options

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

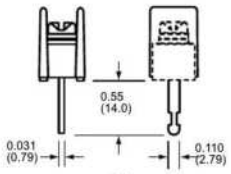
WR* - wire ready

Options

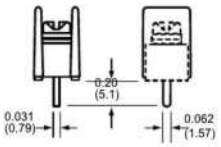
AB* - angle mnt. options (pg 11)
A1 to **A9** - 0.250˝ QC
B1 to **B9** - 0.187˝ QC
DR* - drilled right angle (pg 11)
L1 to L6 marking options (pg 25)
MP* mounting plates (pg 11)
R30 to **R75** - right angle bends (pg 11)
S1* - solder lug/flat
Covers - (pg 26)

* A2 only.
** Not compatible with 03-stainless steel screws.
*** SEMS screws not available with hardware options

Terminal Styles Inches (Millimeters)



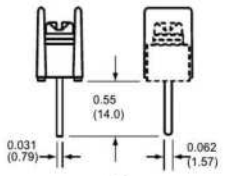
01
Handwired



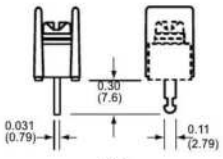
02
Printed Circuit



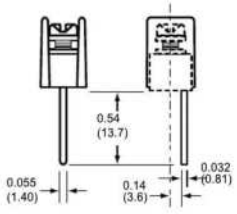
03
Non Feed-Thru



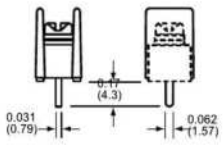
04
Wire Wrap Tail



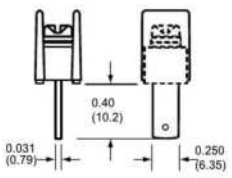
06
Handwired



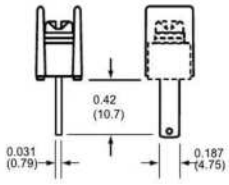
07
Extended Pin



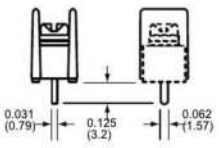
08
Printed Circuit



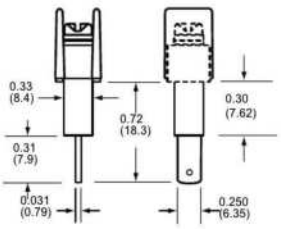
09
0.250˝ QC short



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)

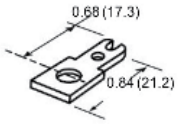


WR
Wire Ready

Hardware Options Inches (Millimeters)

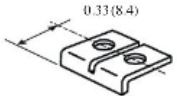
(Bulk ordering part numbers are in parentheses)

Solder Lugs

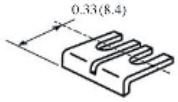


S1
(2S1-J)

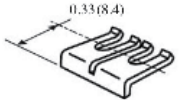
Jumpers



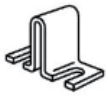
(JA2-xx-J)



(JB2-xx-J)



(JC2-xx-J)

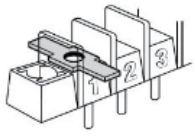


†**OJ2**
(OJ2-J)

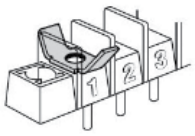


†**OJ4**
(OJ4-J)

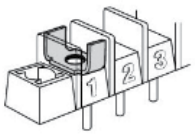
Quick Connects
Blade Width A = 0.250" Blade Width B = 0.187"



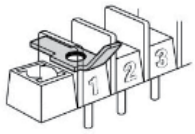
A1 & B1
(2A1-J & 2B1-J)



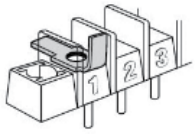
A2 & B2
(2A2-J & 2B2-J)



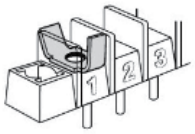
A3 & B3
(2A3-J & 2B3-J)



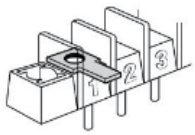
A4 & B4
(2A4-J & 2B4-J)



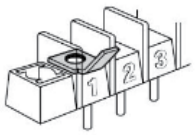
A5 & B5
(2A5-J & 2B5-J)



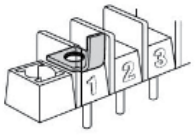
A6 & B6
(2A6-J & 2B6-J)



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



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



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

† Contact Eaton for desired configuration.

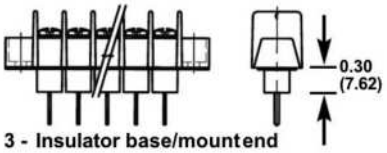
Base/End Options Inches (Millimeters)



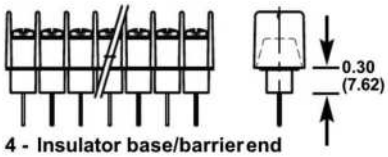
1 - Standard base/mount end



2 - Standard base/barrier end



3 - Insulator base/mount end



4 - Insulator base/barrier end



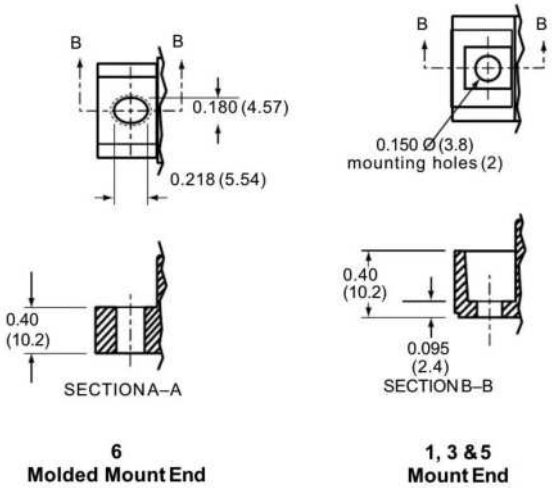
5 - Closed base/mount end



6 - Closed base/molded mount end

(not available with covers)

Mount End Details



6
Molded Mount End

1, 3 & 5
Mount End

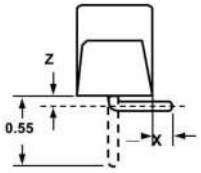
Note: On 1, 3 and 5 bases, Eaton may drill a terminal spacing to be a mount end. There will be no fit/form/function effect of mounting the product

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.

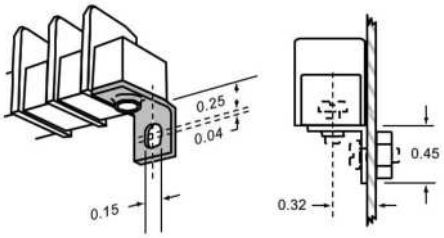
04 Terminal Bend Configurations



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.

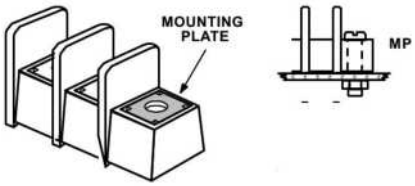
Angle Brackets



Option AB

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

Mounting Plates

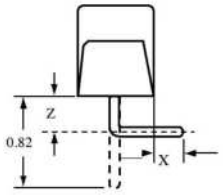


Options MP

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

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

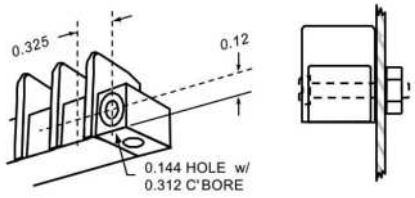
07 Terminal Bend Configurations



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

C B 2

CB2 - closed back

Terminal Style

01 - handwired

02 - printed circuit

07 - extended pin

14 - printed circuit

Base/End

1 - mount end

2 - barrier end

Poles

02 to **26** on barrier end

02 to **24** on mount end

Screw Options

Blank–std. screws

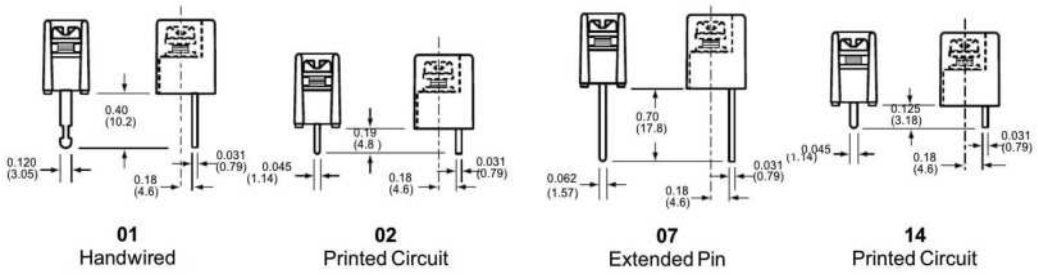
07 - steel SEMS standard

09 - brass SEMS nickel-plated

Options

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)



01 Handwired

02 Printed Circuit

07 Extended Pin

14 Printed Circuit

Screw Options

(Bulk ordering part numbers are in parentheses)

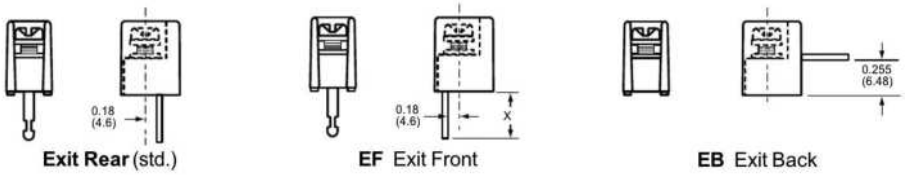


07
Steel SEMS
zinc-plated
(B001-7084-J)

09
Brass SEMS
nickel-plated
(F524-J)

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

CB2 Terminal Exit Options Inches (Millimeters)



Exit Rear (std.)

EF Exit Front

EB Exit Back

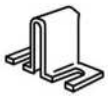
Hardware Options Inches (Millimeters)

(Bulk ordering part numbers are in parentheses)

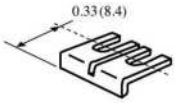
Jumpers



†JA
(JA2-XX-J)



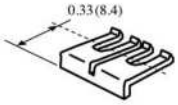
†OJ2
(OJ2-J)



†JB
(JB2-XX-J)

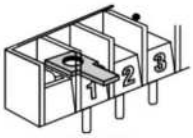


†OJ4
(OJ4-J)

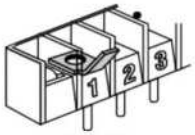


†JC
(JC2-XX-J)

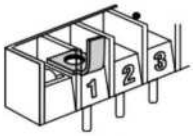
Quick Connects
Blade Width A = 0.250". Blade Width B =0.187".



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



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

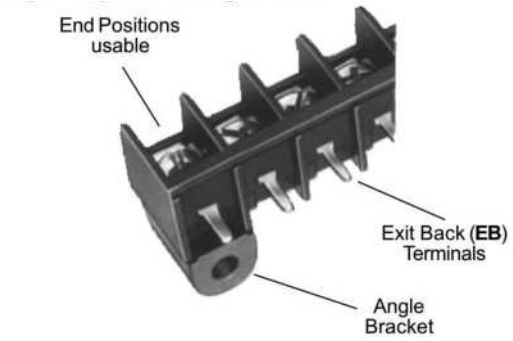


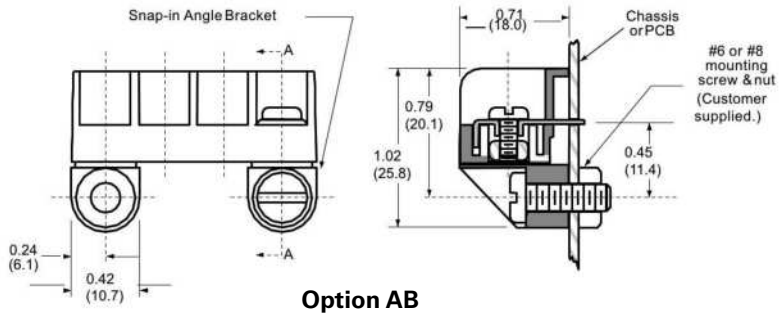
A9 & B9
(2A9-J & 2B9-J)

† Contact Eaton for desired configuration.

Mounting Options Inches (Millimeters)

Right Angle Mounting Bracket



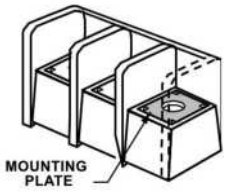


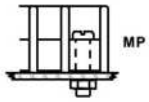
Option AB

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**.

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