



# Cooper Bussmann Connectors

For Printed Circuit Boards

## Proven Products for Demanding Applications

For over 50 years, Cooper Bussmann Connectors has delivered proven products with a commitment to quality and superior service for a broad range of electronic OEM applications covering:

- North American-style single row terminal blocks
- European-style terminal blocks — PCB mount (spring, cage, tiered, high current), screwless, and pluggable
- Edge connectors — vertical and right angle mount

### Wide Product Application

Our connectors are found in a variety of demanding applications:

- Elevators and conveyors
- Industrial & environmental controls
- Lighting ballasts
- Multiple PCB applications
- Power supplies
- Security and alarm systems
- Test and measurement
- HVAC
- Instrumentation
- Medical Equipment
- PC Hardware
- Process control
- Telecom
- Traffic signal and controls

## Agency Standards

Cooper Bussmann connectors can be specified with confidence. They're manufactured to prevailing agency requirements and approvals.

### UL 1059 and CSA 22.2 No. 158 Voltage Ratings

These agency approvals meet the need for products sold in North America.

### IEC Compliance

Where needed, our connectors comply with the requirements in IEC Publication 60947-7-1 *Terminal for Copper Conductors*. These are concurrently recognized and certified under the UL Classification Program. Ratings, except where indicated, are concurrent with UL 1059.

### CE

All Cooper Bussmann connectors are CE self-certified for the safety and performance requirements set forth by the European Union (EU) and is required for free movement of product in the European market.

## Single Row PCB Connectors

### Versatile Solutions for Wire Management

Single Row PCB connectors are specified through our part numbering system. Customers can select the requisite constructions, features and options to best meet a particular need, whether for economy, or to address an application or design issue. Selections include terminal styles, bases and ends, number of poles, terminal screw options and more (mounting/angles, hardware/barrier jumpers, quick connects, stand off insulators, solder lugs, marking, etc.)

### Single Row Series System

Single row connectors are available in the following Series covering barrier styles and terminal center distances. Covers are available with or without pole markings.

**A Series** - standard barrier

**CB Series** - closed back barriers

**LP Series** - low profile standard barriers

### Typical Single Row Connector Applications

- Industrial and environmental controls
- HVAC
- Traffic signal and controls
- Test and measurement
- Power supplies



5000 Series



1000 Series



2000 Series



3000 Series



38 Series



4000 Series

Single Row Series	Centers	AWG Wire Gauge
A5000 and CB5000	0.250"	16-30
A1000 and CB1000	0.325"	14-22
A2000, LP2000 and CB2000	0.375"	12-22
A3000, LP3000 and CB3000	0.437"	12-22
A38/B38	0.437"	10-22/8-16
A4000 and B4000	0.562"	8-16

## EuroMag European-Style Terminal Blocks

### The Answer for Most PCB Terminal Applications

Euro-Mag PCB terminal blocks come in a variety of terminal options to make connections easy with different wire-entry orientations to solve wire routing issues.

These terminal blocks can handle up to 115 amps and are available in modular or mold-to-length designs.

### Typical EuroMag Terminal Block Applications

- HVAC
- PC Hardware
- Test and measurement
- Security and alarm systems
- Process control
- Medical Equipment

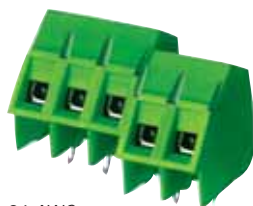
### Spring Clamp Blocks

- Modular and mold-to-length constructions provide direct-to-board wiring with secure-gripping spring clamp terminals
- Ratings: 250V-300V, 6-16A
- Centers from 3.5 to 10mm, 2 to 24 poles, 14-26 AWG



### Cage Clamp Blocks

- Modular and mold-to-length constructions provide economical direct-to-board with cage clamp terminals
- 35° and 45° wire angles available
- Ratings: 300V, 8-16A
- Centers from 3.5 to 7.62mm, 2 to 24 poles, 12-26 AWG



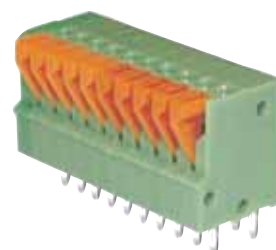
### Pluggable Blocks

- Modular or mold-to-length pluggable blocks provide easy circuit board assembly and removal for testing or service
- Horizontal or vertical header and plug orientations to wire routing demands
- Ratings: 160-300V, 8-16A
- Centers from 3.5 to 7.62mm, 2 to 24 poles, 2-26 AWG



### Screwless Blocks

- Modular and mold-to-length constructions speed assembly time, connections made with a snap of the connector.
- 30°, 45° and 60° wire angles available
- Ratings: 63-300V, 6-10A
- Centers from 2.54 to 10.16mm, 2 to 24 poles, 14-26 AWG



### High Current Blocks

- Modular constructions handle high power directly on the circuit board
- 35° wire angle available
- Ratings: up to 600V, 28-115A
- Centers from 5 to 15mm, 2 to 24 poles, 2-24 AWG



### 2- & 3-Tier Blocks

- Space-saving modular 2- and 3-tier terminal blocks reduce PCB footprint
- Ratings: 300V, 10-16A
- Centers from 3.81 to 5.08mm, 2 to 24 poles, 14-26 AWG



## Edge Connectors

### Popular Vertical and Right Angle Mounting Orientations

Available for 1/16 inch thick single sided boards, Cooper Bussmann edge connectors are specified through our part numbering system, customers can select the requisite styles, constructions, features and options to meet performance or economy needs.

### Typical Edge Connector Applications

- Multiple PCB applications
- PC Hardware
- Lighting ballasts
- Process control
- Test and measurement
- Elevators and conveyors



1384X Series



15104 Series

Series	Mounting Style	Poles
1384X	Vertical	4 - 16
15104	Right Angle	6 - 28

### Customer Assistance

Application engineering and technical assistance is available to all customers. Staffed by degreed engineers, this application support is available Monday through Friday during regular business hours.

### For Connectors Overcurrent and Overvoltage Protection Products

Cooper Bussmann  
114 Old State Road  
Ellisville, MO 63021

Contact, 8:00 a.m. – 5:00 p.m. Central Time

- Phone: 636-527-1270
- Fax: 636-527-1607
- E-mail: FuseTech@cooperindustries.com

### For Inductors and Transformers Products

Cooper Bussmann  
1225 Broken Sound Parkway NW  
Boca Raton, FL 33487-3533

Contact, 8:00 a.m. – 5:00 p.m. Eastern Time

- Phone: 561-998-4100
- Toll Free: 888-414-2645
- Fax: 561-241-6640
- E-mail: InductorTech@cooperindustries.com

### Customer Satisfaction Team

Available to answer questions regarding Cooper Bussmann products & services Monday-Friday, 8:00 a.m. – 6:00 p.m. Central Time. Contact:

- Phone: 636-527-3877
- Toll-free fax: 800-544-2570
- E-mail: busscustsat@cooperindustries.com

### C3 – the Enhanced, Online Cooper Customer Center

Provides real time product availability, net pricing, order status & shipment tracking across six Cooper divisions: B-Line, Bussmann, Crouse-Hinds, Lighting, Power Systems & Wiring Devices. Call 877-995-5955 for log-in assistance. Available at:

- [www.cooperpc3.com](http://www.cooperpc3.com)

### Online Resources

Visit [www.cooperbussmann.com](http://www.cooperbussmann.com) for online catalogs, selection guides and product literature.

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