

# STUD TYPE JUNCTION BLOCKS

## SPECIFICATIONS

**Applications:** Heavy-duty ground or power connection points in AC or DC circuits. Feed-thru or stand alone mount options available for transformers, communication and computer power sections along with various vehicle electrical systems.

**Mounting Torque Rating:** 48in-lb (5.4Nm) max.

## FEATURES

Modular design offers design and manufacturing flexibility.

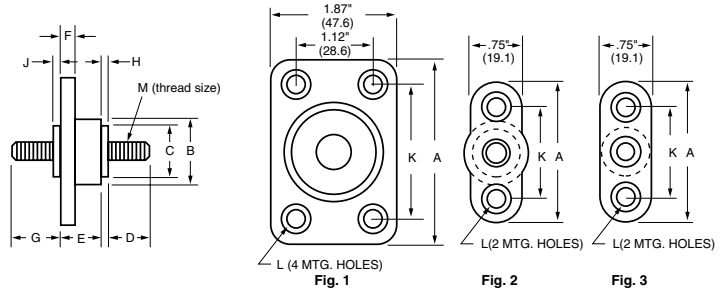
## Suggested Max. Termination Ratings:

| Thread/Stud Size | Amperages |
|------------------|-----------|
| #10              | 50 amps   |
| #1/4 & M6        | 100 amps  |
| #5/16            | 200 amps  |
| #3/8             | 250 amps  |
| #1/2             | 400 amps  |



(Dims. shown are for reference only. Consult factory for latest prints)

## DIMENSIONS



| Part      | Fig. | A              | B              | C              | D              | E              | F            | G              | H            | J            | K              | L                                     | M       | Max. Torque (in-lb) | Material                          | Color |
|-----------|------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|--------------|--------------|----------------|---------------------------------------|---------|---------------------|-----------------------------------|-------|
| C1925*    | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia. C'bore x .16 deep | 1/2-13  | 300                 | Thermoplastic / Zinc plated Brass | Red   |
| C1925B*   | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia. C'bore x .16 deep | 1/2-13  | 300                 | Thermoplastic / Zinc plated Brass | Black |
| C1925-1*  | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia. C'bore x .16 deep | 1/2-13  | 300                 | Thermoplastic / Tin plated Brass  | Red   |
| C1925-1B* | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia. C'bore x .16 deep | 1/2-13  | 300                 | Thermoplastic / Tin plated Brass  | Black |
| C1925-2*  | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia. C'bore x .16 deep | 3/8-16  | 150                 | Thermoplastic / Tin plated Brass  | Red   |
| C1925-2B* | 1    | 2.75<br>(69.8) | 1.5<br>(38.1)  | 1.25<br>(31.7) | 1.25<br>(31.7) | 1.12<br>(28.6) | .37<br>(9.5) | 1.12<br>(28.6) | .19<br>(4.8) | .19<br>(4.8) | 2.0<br>(50.8)  | .22 dia. w/.44 dia. C'bore x .16 deep | 3/8-16  | 150                 | Thermoplastic / Tin plated Brass  | Black |
| C1933     | 1    | 2.75<br>(69.8) | 1.44<br>(36.6) | 1.25<br>(31.7) | 1.5<br>(38.1)  | 1.12<br>(28.6) | .37<br>(9.5) | None           | .19<br>(4.8) | None         | 2.0<br>(50.8)  | .22 dia.                              | 1/2-13  | 300                 | Thermoplastic / Zinc plated Brass | Black |
| C1933-1   | 1    | 2.75<br>(69.8) | 1.44<br>(36.3) | 1.25<br>(31.7) | 1.5<br>(38.1)  | 1.12<br>(28.6) | .37<br>(9.5) | None           | .19<br>(4.8) | None         | 2.0<br>(50.8)  | .22 dia.                              | 5/16-18 | 75                  | Thermoplastic / Zinc plated Brass | Black |
| C1938*    | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic / Zinc plated Brass | Black |
| C1938R*   | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic / Zinc plated Brass | Red   |
| C1938-1*  | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 5/16-18 | 75                  | Thermoplastic / Tin plated Brass  | Black |
| C1938-1R* | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 5/16-18 | 75                  | Thermoplastic / Tin plated Brass  | Red   |
| C2791*    | 3    | 2.06<br>(52.4) | .69<br>(17.5)  | .44<br>(11.2)  | .62<br>(15.9)  | .69<br>(17.5)  | .31<br>(7.9) | .69<br>(17.5)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 1/4-20  | 30                  | Thermoplastic / Zinc plated Brass | Black |
| C2791-R*  | 3    | 2.06<br>(52.4) | .69<br>(17.5)  | .44<br>(11.2)  | .62<br>(15.9)  | .69<br>(17.5)  | .31<br>(7.9) | .69<br>(17.5)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 1/4-20  | 30                  | Thermoplastic / Zinc plated Brass | Red   |
| C2909*    | 3    | 2.06<br>(52.4) | .69<br>(17.5)  | .44<br>(11.2)  | .62<br>(15.9)  | 1.0<br>(25.4)  | .31<br>(7.9) | .69<br>(17.5)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 10-32   | 24                  | Thermoplastic / Zinc plated Brass | Black |
| C2909-1*  | 3    | 2.06<br>(52.4) | .69<br>(17.5)  | .44<br>(11.2)  | .62<br>(15.9)  | 1.0<br>(25.4)  | .31<br>(7.9) | .69<br>(17.5)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 1/4-20  | 30                  | Thermoplastic / Zinc plated Brass | Black |
| C4044*    | 2    | 2.06<br>(52.4) | .87<br>(22.2)  | .62<br>(15.9)  | .62<br>(15.9)  | 1.12<br>(28.6) | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic / Zinc plated Brass | Black |
| C4044-1*  | 2    | 2.06<br>(52.4) | .87<br>(22.2)  | .62<br>(15.9)  | .62<br>(15.9)  | 1.12<br>(28.6) | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic / Tin plated Brass  | Black |
| C4044-1R* | 2    | 2.06<br>(52.4) | .87<br>(22.2)  | .62<br>(15.9)  | .62<br>(15.9)  | 1.12<br>(28.6) | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic / Tin plated Brass  | Red   |
| C5898*    | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | .94<br>(23.8)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic / Zinc plated Brass | Red   |
| C6344-2   | 2    | 2.06<br>(52.4) | .87<br>(22.2)  | .62<br>(15.9)  | .62<br>(15.9)  | 1.12<br>(28.6) | .31<br>(7.9) | None           | .06<br>(1.6) | None         | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 1/2-20  | 150                 | Thermoplastic / Zinc plated Steel | Black |
| C7018*    | 3    | 2.06<br>(52.4) | .69<br>(17.5)  | .44<br>(11.2)  | .47<br>(11.9)  | .69<br>(17.5)  | .31<br>(7.9) | .53<br>(13.5)  | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | M6      | 55                  | Thermoplastic / Zinc plated Steel | Black |
| C7020*    | 2    | 2.06<br>(52.4) | .94<br>(23.8)  | .69<br>(17.5)  | .88<br>(22.2)  | .69<br>(17.5)  | .31<br>(8.0) | 1.25<br>(31.8) | .06<br>(1.6) | .06<br>(1.6) | 1.31<br>(33.3) | .22 dia. w/.41 dia. C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic / Zinc plated Brass | Red   |
| JB3816-2  | 2    | 2.12<br>(54.0) | .98<br>(24.9)  | .62<br>(15.9)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | None           | .06<br>(1.6) | None         | 1.37<br>(34.9) | .22 dia. w/.37 dia. C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic / Zinc plated Steel | Black |
| JB3816-3  | 2    | 2.12<br>(54.0) | .98<br>(24.9)  | .62<br>(15.9)  | .87<br>(22.2)  | .69<br>(17.5)  | .31<br>(7.9) | None           | .06<br>(1.6) | None         | 1.37<br>(34.9) | .22 dia. w/.37 dia. C'bore x .14 deep | 3/8-16  | 150                 | Thermoplastic / Zinc plated Steel | Red   |

\*Feed-thru Options – Nuts & washers; consult factory.

# STUD TYPE JUNCTION BLOCKS (Non Feed-Thru)

## Series C4559 & C6083

### SPECIFICATIONS

**Rating:** 30A, 600V

**Temperature Rating:** 250°F (120°C)

**Materials:** Black thermoplastic with zinc-plated steel studs.

**Termination:** #10-24 threaded studs on .750" centers. Studs feature a "dog point" to guide nut onto thread.

**Torque Rating:** 25 in-lb (2.8Nm) max.

**Mounting Torque Rating:** 24in-lb (2.7Nm) max.

### OPTIONS

**Positions:** 2-16 positions available.

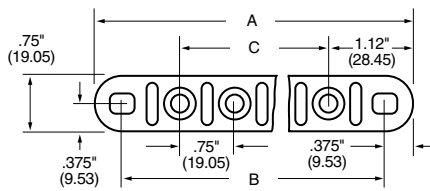
### FEATURES

Numbers and arrows molded on top of barriers indicate terminals.

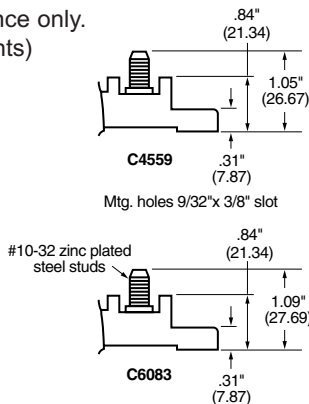
**Compliances:** UL/CSA; CE Certified.



**Dimensions** (Dims. shown are for reference only. Consult factory for latest prints)



Other series available with .750" centers:



(A,B,C Dimensions are the same as C4559)

| Part No. | A             | B             | C             |
|----------|---------------|---------------|---------------|
| C4559-2  | 3.00 (76.2)   | 2.25 (57.1)   | 0.75 (19.0)   |
| C4559-3  | 3.75 (95.2)   | 3.00 (76.2)   | 1.50 (38.1)   |
| C4559-4  | 4.50 (114.3)  | 3.75 (95.2)   | 2.25 (57.1)   |
| C4559-5  | 5.25 (133.3)  | 4.50 (114.3)  | 3.00 (76.2)   |
| C4559-6  | 6.00 (152.4)  | 5.25 (133.3)  | 3.75 (95.2)   |
| C4559-7  | 6.75 (171.4)  | 6.00 (152.4)  | 4.50 (114.3)  |
| C4559-8  | 7.50 (190.5)  | 6.75 (171.4)  | 5.25 (133.3)  |
| C4559-9  | 8.25 (209.5)  | 7.50 (190.5)  | 6.00 (152.4)  |
| C4559-10 | 9.00 (228.6)  | 8.25 (209.5)  | 6.75 (171.4)  |
| C4559-11 | 9.75 (247.6)  | 9.00 (228.6)  | 7.50 (190.5)  |
| C4559-12 | 10.50 (266.7) | 9.75 (247.6)  | 8.25 (209.5)  |
| C4559-13 | 11.25 (285.7) | 10.50 (266.7) | 9.00 (228.6)  |
| C4559-14 | 12.00 (308.4) | 11.25 (285.7) | 9.75 (247.6)  |
| C4559-15 | 12.75 (323.8) | 12.00 (308.4) | 10.50 (266.7) |
| C4559-16 | 13.50 (342.9) | 12.75 (323.8) | 11.25 (285.7) |

## Series C5237 & JB1032

### SPECIFICATIONS

**Rating:** UL: 30A, 300V; CSA: 30A, 600V.

**Temperature Rating:** 250°F (120°C)

**Materials:** Black thermoplastic with brass studs.

**Termination:** #10-32 threaded studs on .625" centers. Studs feature a "dog point" to guide nut onto thread.

**Torque Rating:** 25 in-lb (2.8Nm) max.

**Mounting Torque Rating:** 24in-lb (2.7Nm) max.

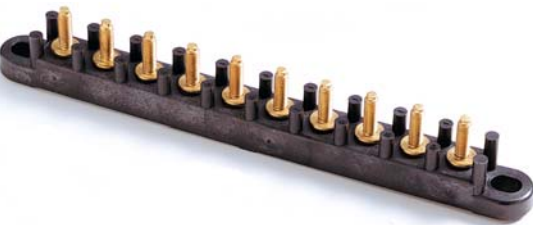
### OPTIONS

**Positions:** 1-15 positions available.

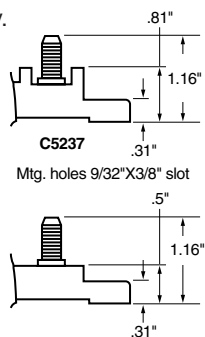
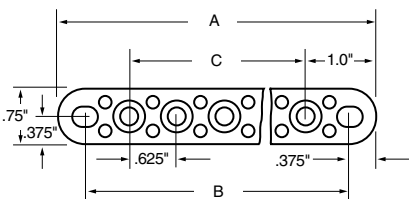
### FEATURES

Numbers and arrows molded on top of barriers indicate terminals.

**Compliances:** UL/CSA; CE Certified.



**Dimensions** (Dims. shown are for reference only. Consult factory for latest prints)



JB1032-120-XX  
(No bosses between studs)  
(A,B,C Dimensions are the same as C5237)

| Part No. | A             | B             | C            |
|----------|---------------|---------------|--------------|
| C5237-1  | 2.00 (50.8)   | 1.25 (31.7)   | -            |
| C5237-2  | 2.62 (66.7)   | 1.87 (47.5)   | .625 (15.9)  |
| C5237-3  | 3.25 (82.5)   | 2.50 (63.4)   | 1.25 (31.7)  |
| C5237-4  | 3.87 (98.4)   | 3.12 (79.4)   | 1.87 (47.5)  |
| C5237-5  | 4.50 (114.3)  | 3.75 (95.2)   | 2.50 (63.4)  |
| C5237-6  | 5.12 (130.8)  | 4.37 (111.1)  | 3.12 (79.4)  |
| C5237-7  | 5.75 (146.0)  | 5.00 (127.0)  | 3.75 (95.2)  |
| C5237-8  | 6.37 (161.9)  | 5.62 (142.9)  | 4.37 (111.1) |
| C5237-9  | 7.00 (177.8)  | 6.25 (158.7)  | 5.00 (127.0) |
| C5237-10 | 7.62 (193.7)  | 6.87 (174.6)  | 5.62 (142.9) |
| C5237-11 | 8.25 (209.5)  | 7.50 (190.5)  | 6.25 (158.7) |
| C5237-12 | 8.87 (225.4)  | 8.12 (206.4)  | 6.87 (174.6) |
| C5237-13 | 9.50 (241.3)  | 8.75 (222.2)  | 7.50 (190.5) |
| C5237-14 | 10.12 (257.2) | 9.37 (238.1)  | 8.12 (206.4) |
| C5237-15 | 10.75 (273.0) | 10.00 (254.0) | 8.75 (222.2) |