

# Stud Type Junction Blocks

## Single stud type junction blocks

With a maximum torque rating at 48 in-lbs, the single stud type junction blocks are ideal for heavy-duty ground or power connection points in AC or DC circuits. The modular design offers design and manufacturing flexibility with feed thru or stand alone mount options available for transformers, communication and computer power sections along with various vehicle electrical systems.

## Non feed-thru multiple stud type

Series C4559 and C6083

Rating: 30A, 600V

Temperature rating: 250°F (120°C)

Materials: Black thermoplastic with zinc-plated steel studs

Termination: #10-24 threaded studs on 0.750" centers.

Studs feature a 'dog point' to guide nut onto thread

Torque rating: 25 in-lbs max

Mounting torque rating: 24 in-lbs max

Postions: 2 - 16 positions available

Series C5237 and JB1032

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

Temperature rating: 250°F (120°C)

Materials: Black thermoplastic with yellow zinc-plated brass studs

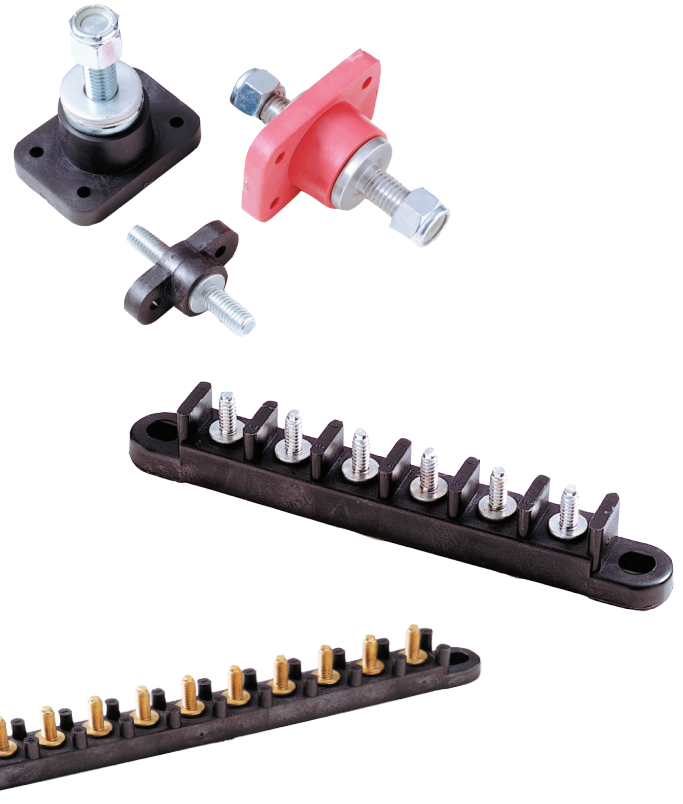
Termination: #10-32 threaded studs on 0.625" centers.

Studs feature a 'dog point' to guide nut onto thread

Torque rating: 25 in-lbs max

Mounting torque rating: 24 in-lbs max

Postions: 1 - 15 positions available



## Single stud type junction blocks

Please see the following page for specific part numbers and ordering information.

## Series C4559 and C6083

Please see the following page for specific part numbers and ordering information. Numbers and arrows molded on top of barriers indicate terminals.

## Series C5237 and JB1032

Please see the following page for specific part numbers and ordering information. Numbers and arrows molded on top of barriers indicate terminals.



## Suggested Max Termination Rating

| Thread / stud size | Amperages (A) |
|--------------------|---------------|
| #10                | 50            |
| #1/4 & M6          | 100           |
| #5/16              | 200           |
| #3/8               | 250           |
| #1/2               | 400           |

## Dimensions in Inches (mm)

Letters correspond to tables on following pages

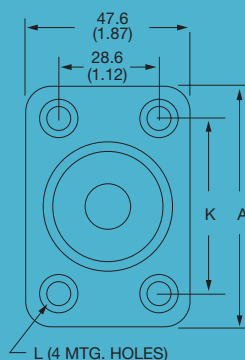
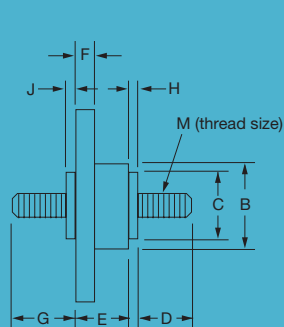


Fig. 1

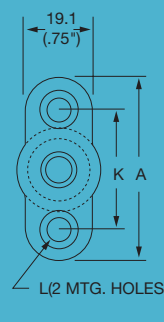


Fig. 2

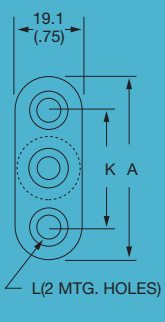
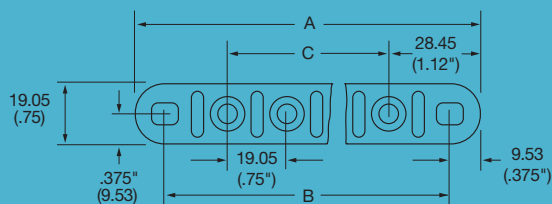
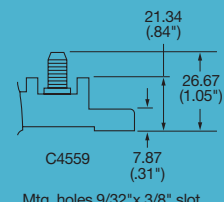
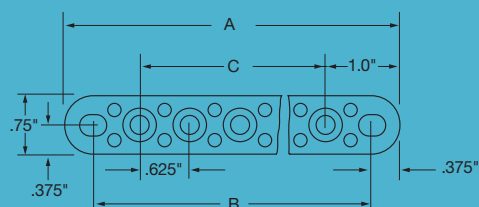


Fig. 3

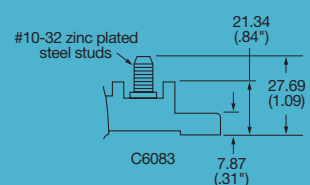


Other series available with .750" centers:



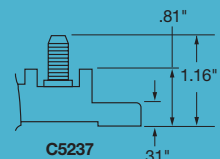
C4559

Mtg. holes 9/32"x 3/8" slot



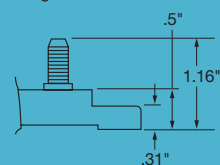
C6083

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



C5237

Mtg. holes 9/32"x3/8" slot



JB1032-120-XX

(No bosses between studs)

(A,B,C Dimensions are the same as C5237)

## Dimensions

| Part Number  | A             | B             | C             |
|--------------|---------------|---------------|---------------|
| Series C4559 |               |               |               |
| 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 (246.6)  | 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 (246.6)  |
| 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) |

| Part Number  | A             | B             | C            |
|--------------|---------------|---------------|--------------|
| Series C5237 |               |               |              |
| C5237-1      | 2.00 (50.8)   | 1.25 (31.7)   | -            |
| C5237-2      | 2.62 (66.7)   | 1.87 (47.5)   | 0.625 (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) |

## Ordering information for single stud type junction blocks

| Part      | Fig. | A              | B               | C              | D              | E              | F            | G              | H            | J            | K              | L                                        | M         | Max. Torque<br>(in-lbs) | 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.<br>C'bore x .16 deep | 1/2 - 13  | 300                     | Thermoplastic /<br>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.<br>C'bore x .16 deep | 1/2 - 13  | 300                     | Thermoplastic /<br>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.<br>C'bore x .16 deep | 1/2 - 13  | 300                     | Thermoplastic /<br>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.<br>C'bore x .16 deep | 1/2 - 13  | 300                     | Thermoplastic /<br>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.<br>C'bore x .16 deep | 3/8 - 16  | 150                     | Thermoplastic /<br>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.<br>C'bore x .16 deep | 3/8 - 16  | 150                     | Thermoplastic /<br>Tin-plated Brass  | Black |
| C1933     | 1    | 2.75<br>(69.8) | 1.44<br>(36.60) | 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 /<br>Zinc-plated Brass | Black |
| C1933-1   | 1    | 2.75<br>(69.3) | 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 /<br>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.<br>C'bore x .14 deep | 3/8 - 16  | 200                     | Thermoplastic /<br>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.<br>C'bore x .14 deep | 3/8 - 16  | 200                     | Thermoplastic /<br>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.<br>C'bore x .14 deep | 5/16 - 18 | 100                     | Thermoplastic /<br>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.<br>C'bore x .14 deep | 5/16 - 18 | 100                     | Thermoplastic /<br>Tin-plated Brass  | Red   |
| 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.<br>C'bore x .14 deep | 3/8 - 16  | 150                     | Thermoplastic /<br>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>(15.9) | .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.<br>C'bore x .14 deep | 3/8 - 16  | 150                     | Thermoplastic /<br>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>(15.9) | .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.<br>C'bore x .14 deep | 3/8 - 16  | 150                     | Thermoplastic /<br>Tin-plated Brass  | Red   |

Notes:

\*Feed-thru single stud type junction block

Option of nuts and washers. Consult factory for more information.

continued on next page >>

| Part     | Fig. | A              | B             | C             | D             | E              | F            | G              | H            | J            | K              | L                                         | M        | Max. Torque<br>(in-lbs) | Material                             | Color |
|----------|------|----------------|---------------|---------------|---------------|----------------|--------------|----------------|--------------|--------------|----------------|-------------------------------------------|----------|-------------------------|--------------------------------------|-------|
| 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.<br>C'bore x .14 deep  | 3/8 - 16 | 150                     | Thermoplastic /<br>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>(15.9) | .31<br>(7.9) | None           | .06<br>(1.6) | None         | 1.31<br>(33.3) | .22 Dia. w/ 41 dia.<br>C'bore x .14 deep  | 1/2 - 20 | 150                     | Thermoplastic /<br>Zinc-plated Brass | 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.<br>C'bore x .14 deep  | 3/8 - 16 | 150                     | Thermoplastic /<br>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.<br>C'bore x .14 deep | 3/8 - 16 | 150                     | Thermoplastic /<br>Zinc-plated Brass | 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.<br>C'bore x .14 deep | 3/8 - 16 | 150                     | Thermoplastic /<br>Zinc-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.<br>C'bore x .14 deep  | 1/4 - 20 | 30                      | Thermoplastic /<br>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.<br>C'bore x .14 deep  | 1/4 - 20 | 30                      | Thermoplastic /<br>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.<br>C'bore x .14 deep  | 10 - 32  | 24                      | Thermoplastic /<br>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.<br>C'bore x .14 deep  | 1/4 - 20 | 30                      | Thermoplastic /<br>Zinc-plated Brass | 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.<br>C'bore x .14 deep  | M6       | 55                      | Thermoplastic /<br>Zinc-plated Brass | Black |

Notes:

\*Feed-thru single stud type junction block

Option of nuts and washers. Consult factory for more information.