

## Panel Mount Plugs and Sockets



### Angle Bracket, Angle Bracket Tapped, Without Angle Bracket

|                    |                          |
|--------------------|--------------------------|
| 38330, 38336 ..... | <a href="#">p. 2-3</a>   |
| 38540 .....        | <a href="#">p. 16-17</a> |



### Shallow Bracket

|             |                          |
|-------------|--------------------------|
| 38330 ..... | <a href="#">p. 4-5</a>   |
| 38542 ..... | <a href="#">p. 18-19</a> |



### Deep Bracket

|                    |                          |
|--------------------|--------------------------|
| 38330, 38336 ..... | <a href="#">p. 6-7</a>   |
| 38540 .....        | <a href="#">p. 20-21</a> |

## Cable Mount Plugs and Sockets



### Cable Clamp End

|                    |                          |
|--------------------|--------------------------|
| 38331, 38336 ..... | <a href="#">p. 8-9</a>   |
| 38541 .....        | <a href="#">p. 22-23</a> |



### Cable Clamp Top, Cable Clamp Top with Keeper, Cable Clamp Top with Latch

|                           |                          |
|---------------------------|--------------------------|
| 38330, 38331, 38336 ..... | <a href="#">p. 10-11</a> |
| 38541 .....               | <a href="#">p. 24-25</a> |



### Flared Hole End

|                    |                          |
|--------------------|--------------------------|
| 38330, 38336 ..... | <a href="#">p. 12-13</a> |
| 38540 .....        | <a href="#">p. 26-27</a> |



### Flared Hole Top

|                           |                          |
|---------------------------|--------------------------|
| 38330, 38331, 38336 ..... | <a href="#">p. 14-15</a> |
| 38540 .....               | <a href="#">p. 28-29</a> |

## FEATURES AND SPECIFICATIONS



## Beau™ Power Connectors Panel Mount Plugs and Sockets

### Features and Benefits

- Sizes 2 to 33 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Electrical

Voltage: 250V  
Maximum Current: 10 Amp

### Mechanical

Operating Temperature: 150°C

### Physical

Base Insulator: High-grade phenolic, black  
Plug Contact: Brass  
Plug Contact Plating: Tin  
Socket Contact: Phosphor bronze  
Socket Contact Plating: Tin  
Pre-grounding Contact: Heavy-duty plated brass

### Reference Information

UL : File E34763  
CSA: File 22156

### 38330, 38336

### Angled Bracket (AB) Angle Bracket Tapped (ABT) Less Angle Bracket (LAB)



## SUGGESTED PANEL MOUNTING DIMENSIONS

## CONTACT TAILS

Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles

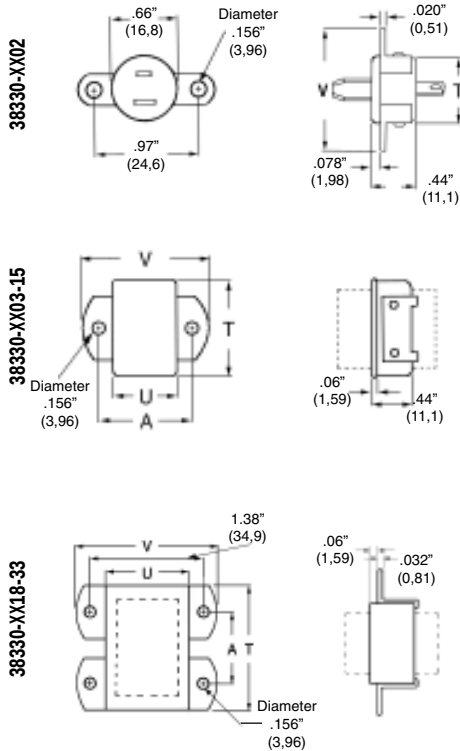


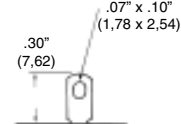
Fig. D

Fig. E

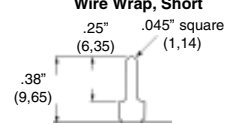
Fig. F

Fig. G

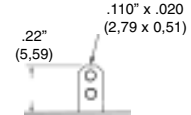
### P Solder Eye (Standard)



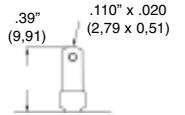
### P<sub>1</sub> Printed Circuit and Wire Wrap, Short



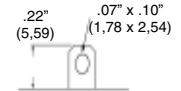
### S<sub>1</sub> Quick Connect



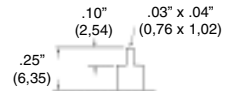
### P<sub>1</sub> Quick Connect



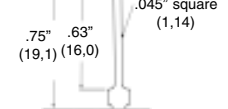
### S Solder Eye (Standard)



### S<sub>1</sub> Printed Circuit



### P<sub>1</sub> Wire Wrap, Long



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite. A heavy-duty polarizing/ground contact is in position 14 for Nos. 3324, 3327, 3330 and in position 17 for No. 3333. \* Indicates location of pre-grounding contact. † Pre-grounding contact is standard.



38330-XX02



38330-XX03



38330-XX04



38330-XX06



38336-8XXX



38330-XX08



38330-XX10



38330-XX12



38330-XX15 to 38330-XX21



38330-XX24 to 38330-XX30



38330-XX33

# ORDERING INFORMATION AND DIMENSIONS



## Beau™ Power Connectors Panel Mount Plugs and Sockets

**38330, 38336**

| Part#  | T    |      | U    |      | V    |      |
|--------|------|------|------|------|------|------|
|        | in   | mm   | in   | mm   | in   | mm   |
| 3302*  | 0.66 | 16,7 | --   | --   | 1.27 | 32,1 |
| 3303   | 1.00 | 25,4 | .44  | 11,1 | 1.06 | 27,0 |
| 3304   | 0.75 | 19,1 | .69  | 17,5 | 1.31 | 33,3 |
| 3306   | 1.00 | 25,4 | .69  | 17,5 | 1.31 | 33,3 |
| 3306-8 | 1.00 | 25,4 | .69  | 17,5 | 1.31 | 33,3 |
| 3308   | 1.25 | 31,8 | .69  | 17,5 | 1.31 | 33,3 |
| 3310   | 1.56 | 39,7 | .69  | 17,5 | 1.31 | 33,3 |
| 3312   | 1.25 | 31,8 | .94  | 23,8 | 1.56 | 39,7 |
| 3315   | 1.63 | 41,3 | 1.00 | 25,4 | 1.69 | 42,9 |
| 3318   | 1.94 | 49,2 | 1.00 | 25,4 | 1.69 | 42,9 |
| 3321   | 2.25 | 57,2 | 1.00 | 25,4 | 1.69 | 42,9 |
| 3324   | 2.56 | 65,1 | 1.00 | 25,4 | 1.69 | 42,9 |
| 3327   | 2.88 | 73,0 | 1.00 | 25,4 | 1.69 | 42,9 |
| 3330   | 3.19 | 81,0 | 1.00 | 25,4 | 1.69 | 42,9 |
| 3333   | 3.50 | 88,9 | 1.00 | 25,4 | 1.69 | 42,9 |

| Part#  | Fig.# | A     |      | B     |      | C     |      |
|--------|-------|-------|------|-------|------|-------|------|
|        |       | in    | mm   | in    | mm   | in    | mm   |
| 3302*  | D     | .969  | 24,6 | --    | --   | --    | --   |
| 3303   | E     | .750  | 19,1 | 1.016 | 25,8 | .453  | 11,5 |
| 3304   | F     | 1.000 | 25,4 | .781  | 19,8 | .719  | 18,3 |
| 3306   | E     | 1.000 | 25,4 | 1.031 | 26,2 | .719  | 18,3 |
| 3306-8 | E     | 1.000 | 25,4 | 1.031 | 26,2 | .719  | 18,3 |
| 3308   | F     | 1.000 | 25,4 | 1.281 | 32,5 | .719  | 18,3 |
| 3310   | F     | 1.000 | 25,4 | 1.578 | 40,1 | .719  | 18,3 |
| 3312   | F     | 1.250 | 31,8 | 1.266 | 32,2 | .953  | 24,2 |
| 3315   | F     | 1.375 | 34,9 | 1.640 | 41,7 | 1.016 | 25,8 |
| 3318   | G     | 1.250 | 31,8 | 1.953 | 49,6 | --    | --   |
| 3321   | G     | .938  | 23,8 | 2.265 | 57,5 | --    | --   |
| 3324   | G     | 1.250 | 31,8 | 2.578 | 65,5 | --    | --   |
| 3327   | G     | 1.562 | 39,7 | 2.890 | 73,4 | --    | --   |
| 3330   | G     | 1.875 | 47,6 | 3.203 | 81,4 | --    | --   |
| 3333   | G     | 2.188 | 55,6 | 3.515 | 89,3 | --    | --   |

### PLUGS

| Angle Bracket (-AB) |               | Angle Bracket Tapped (-ABT) |               | Less Angle Bracket (-LAB) |               |
|---------------------|---------------|-----------------------------|---------------|---------------------------|---------------|
| Order #             | Engineering # | Order #                     | Engineering # | Order #                   | Engineering # |
| 38330-0102          | P-3302-AB     | 38330-1502                  | P-3302-ABT    | 38330-2202                | P-3302-LAB    |
| 38330-0103          | P-3303-AB     | 38330-1503                  | P-3303-ABT    | 38330-2203                | P-3303-LAB    |
| 38330-0104          | P-3304-AB     | 38330-1504                  | P-3304-ABT    | 38330-2204                | P-3304-LAB    |
| 38330-0106          | P-3306-AB     | 38330-1506                  | P-3306-ABT    | 38330-2206                | P-3306-LAB    |
| 38336-8001          | P-3306-8-AB   | 38336-8015                  | P-3306-8-ABT  | 38336-8022                | P-3306-8-LAB  |
| 38330-0108          | P-3308-AB     | 38330-1508                  | P-3308-ABT    | 38330-2208                | P-3308-LAB    |
| 38330-0110          | P-3310-AB     | 38330-1510                  | P-3310-ABT    | 38330-2210                | P-3310-LAB    |
| 38330-0112          | P-3312-AB     | 38330-1512                  | P-3312-ABT    | 38330-2212                | P-3312-LAB    |
| 38330-0115          | P-3315-AB     | 38330-1515                  | P-3315-ABT    | 38330-2215                | P-3315-LAB    |
| 38330-0118          | P-3318-AB     | 38330-1518                  | P-3318-ABT    | 38330-2218                | P-3318-LAB    |
| 38330-0121          | P-3321-AB     | 38330-1521                  | P-3321-ABT    | 38330-2221                | P-3321-LAB    |
| 38330-0124          | P-3324-AB     | 38330-1524                  | P-3324-ABT    | 38330-2224                | P-3324-LAB    |
| 38330-0127          | P-3327-AB     | 38330-1527                  | P-3327-ABT    | 38330-2227                | P-3327-LAB    |
| 38330-0130          | P-3330-AB     | 38330-1530                  | P-3330-ABT    | 38330-2230                | P-3330-LAB    |
| 38330-0133          | P-3333-AB     | 38330-1533                  | P-3333-ABT    | 38330-2233                | P-3333-LAB    |

### SOCKETS

| Angle Bracket (-AB) |               | Angle Bracket Tapped (-ABT) |               | Less Angle Bracket (-LAB) |               |
|---------------------|---------------|-----------------------------|---------------|---------------------------|---------------|
| Order #             | Engineering # | Order #                     | Engineering # | Order #                   | Engineering # |
| 38330-0502          | S-3302-AB     | 38330-1902                  | S-3302-ABT    | 38330-2602                | S-3302-LAB    |
| 38330-0503          | S-3303-AB     | 38330-1903                  | S-3303-ABT    | 38330-2603                | S-3303-LAB    |
| 38330-0504          | S-3304-AB     | 38330-1904                  | S-3304-ABT    | 38330-2604                | S-3304-LAB    |
| 38330-0506          | S-3306-AB     | 38330-1906                  | S-3306-ABT    | 38330-2606                | S-3306-LAB    |
| 38336-8005          | S-3306-8-AB   | 38336-8019                  | S-3306-8-ABT  | 38336-8026                | S-3306-8-LAB  |
| 38330-0508          | S-3308-AB     | 38330-1908                  | S-3308-ABT    | 38330-2608                | S-3308-LAB    |
| 38330-0510          | S-3310-AB     | 38330-1910                  | S-3310-ABT    | 38330-2610                | S-3310-LAB    |
| 38330-0512          | S-3312-AB     | 38330-1912                  | S-3312-ABT    | 38330-2612                | S-3312-LAB    |
| 38330-0515          | S-3315-AB     | 38330-1915                  | S-3315-ABT    | 38330-2615                | S-3315-LAB    |
| 38330-0518          | S-3318-AB     | 38330-1918                  | S-3318-ABT    | 38330-2618                | S-3318-LAB    |
| 38330-0521          | S-3321-AB     | 38330-1921                  | S-3321-ABT    | 38330-2621                | S-3321-LAB    |
| 38330-0524          | S-3324-AB     | 38330-1924                  | S-3324-ABT    | 38330-2624                | S-3324-LAB    |
| 38330-0527          | S-3327-AB     | 38330-1927                  | S-3327-ABT    | 38330-2627                | S-3327-LAB    |
| 38330-0530          | S-3330-AB     | 38330-1930                  | S-3330-ABT    | 38330-2630                | S-3330-LAB    |
| 38330-0533          | S-3333-AB     | 38330-1933                  | S-3333-ABT    | 38330-2633                | S-3333-LAB    |



## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 15 to 33 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Reference Information

UL: File E34763

CSA: File 22156

### Electrical

Voltage: 250V

Maximum Current: 10 Amp

### Mechanical

Operating Temperature: 150°C

### Physical

Base Insulator: High-grade phenolic, black

Plug Contact: Brass

Plug Contact Plating: Tin

Socket Contact: Phosphor bronze

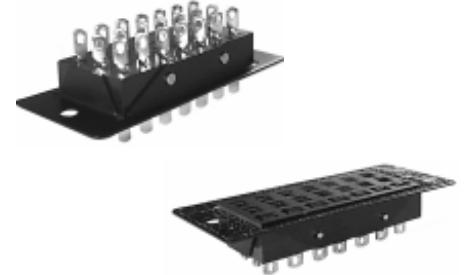
Socket Contact Plating: Tin

Pre-grounding Contact: Heavy-duty plated brass

## Beau™ Power Connectors Panel Mount Plugs and Sockets

**38330**

### Shallow Bracket (SB)

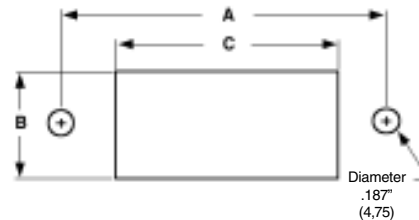
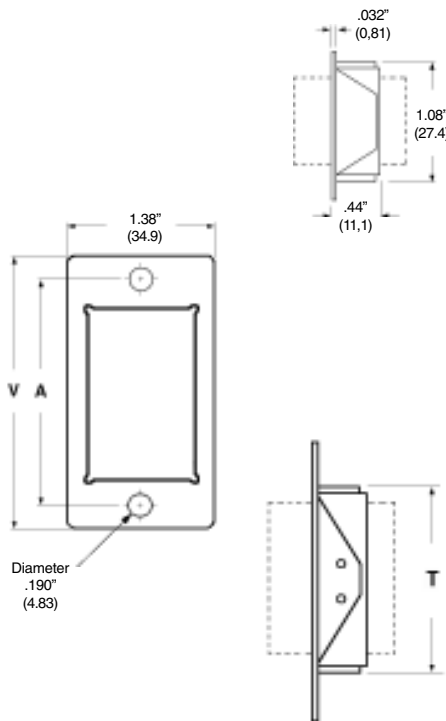


## SUGGESTED PANEL MOUNTING DIMENSIONS

## CONTACT TAILS

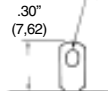
Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles

Fig.K



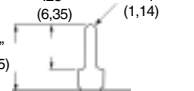
### P Solder Eye (Standard)

.07" x .10"  
(1,78 x 2,54)



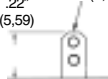
### P<sub>2</sub> Printed Circuit and Wire Wrap, Short

.25" square  
(6,35)



### S<sub>1</sub> Quick Connect

.110" x .020  
(2,79 x 0,51)



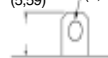
### P<sub>1</sub> Quick Connect

.110" x .020  
(2,79 x 0,51)



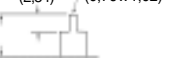
### S Solder Eye (Standard)

.07" x .10"  
(1,78 x 2,54)

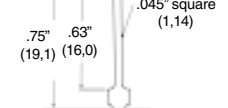


### S<sub>6</sub> Printed Circuit

.03" x .04"  
(0,76 x 1,02)



### P<sub>4</sub> Wire Wrap, Long



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite. A heavy-duty polarizing/ground contact is in position 14 for Nos. 3324, 3327, 3330 and in position 17 for No. 3333.

|   |   |   |    |    |
|---|---|---|----|----|
| 1 | 4 | 7 | 10 | 13 |
| 2 | 5 | 8 | 11 | 14 |
| 3 | 6 | 9 | 12 | 15 |

38330-XX15 to 38330-XX21

|   |   |   |    |    |    |    |    |
|---|---|---|----|----|----|----|----|
| 1 | 4 | 7 | 10 | 13 | 16 | 19 | 22 |
| 2 | 5 | 8 | 11 | 14 | 17 | 20 | 23 |
| 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 |

38330-XX24 to 38330-XX30

|   |   |   |    |    |    |    |    |    |    |    |
|---|---|---|----|----|----|----|----|----|----|----|
| 1 | 4 | 7 | 10 | 13 | 16 | 19 | 22 | 25 | 28 | 31 |
| 2 | 5 | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 |
| 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 |

38330-XX33

• Indicates location of pre-grounding contact. † Pre-grounding contact is standard

# ORDERING INFORMATION AND DIMENSIONS



**Beau™ Power Connectors**  
**Panel Mount Plugs and Sockets**

**38330**

| Part# | T    |      | V    |      |
|-------|------|------|------|------|
|       | in   | mm   | in   | mm   |
| 3315  | 1.69 | 42.9 | 2.55 | 58.7 |
| 3318  | 2.00 | 50.8 | 2.86 | 66.7 |
| 3321  | 2.31 | 58.7 | 3.17 | 74.6 |
| 3324  | 2.63 | 66.7 | 3.48 | 82.6 |
| 3327  | 2.94 | 74.6 | 3.80 | 90.5 |
| 3330  | 3.25 | 82.6 | 4.11 | 98.4 |
| 3333  | 3.56 | 90.5 | 4.42 | 106  |

| Part # | Fig. # | A     |      | B     |      | C     |      |
|--------|--------|-------|------|-------|------|-------|------|
|        |        | in    | mm   | in    | mm   | in    | mm   |
| 3315   | K      | 2.125 | 54,0 | 1.156 | 29,4 | 1.750 | 44,5 |
| 3318   | K      | 2.437 | 61,9 | 1.156 | 29,4 | 2.062 | 52,4 |
| 3321   | K      | 2.750 | 69,9 | 1.156 | 29,4 | 2.375 | 60,3 |
| 3324   | K      | 3.062 | 77,8 | 1.156 | 29,4 | 2.687 | 68,2 |
| 3327   | K      | 3.375 | 85,7 | 1.156 | 29,4 | 3.000 | 76,2 |
| 3330   | K      | 3.687 | 93,6 | 1.156 | 29,4 | 3.312 | 84,1 |
| 3333   | K      | 4.000 | 102  | 1.156 | 29,4 | 3.625 | 92,1 |

| PLUGS                 |               | SOCKETS               |               |
|-----------------------|---------------|-----------------------|---------------|
| Shallow Bracket (-SB) |               | Shallow Bracket (-SB) |               |
| Order #               | Engineering # | Order #               | Engineering # |
| 38330-6415            | P-3315-SB     | 38330-6815            | S-3315-SB     |
| 38330-6418            | P-3318-SB     | 38330-6818            | S-3318-SB     |
| 38330-6421            | P-3321-SB     | 38330-6821            | S-3321-SB     |
| 38330-6424            | P-3324-SB     | 38330-6824            | S-3324-SB     |
| 38330-6427            | P-3327-SB     | 38330-6827            | S-3327-SB     |
| 38330-6430            | P-3330-SB     | 38330-6830            | S-3330-SB     |
| 38330-6433            | P-3333-SB     | 38330-6833            | S-3333-SB     |



## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 2 to 33 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Reference Information

UL : File E34763  
CSA : File 22156

### Electrical

Voltage: 250V  
Maximum Current: 10 Amp

### Mechanical

Operating Temperature: 150°C

### Physical

Base Insulator: High-grade phenolic, black  
Plug Contact: Brass  
Plug Contact Plating: Tin  
Socket Contact: Phosphor bronze  
Socket Contact Plating: Tin  
Pre-grounding Contact: Heavy-duty plated brass

## Beau™ Power Connectors Panel Mount Plugs and Sockets

### 38330, 38336 Deep Bracket



## SUGGESTED PANEL MOUNTING DIMENSIONS

## CONTACT TAILS

Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles

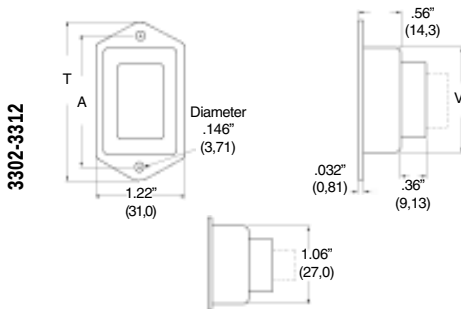


Fig. P

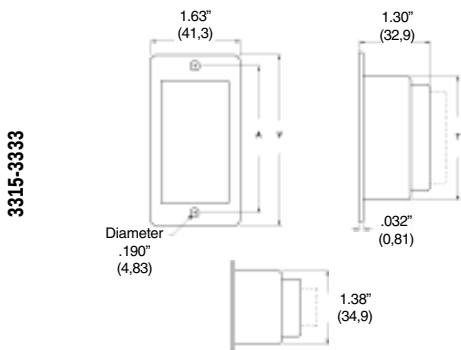
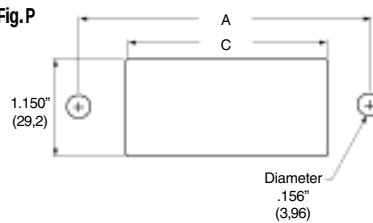
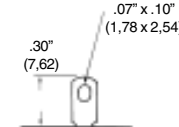


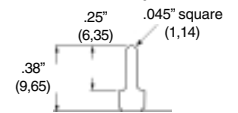
Fig. Q



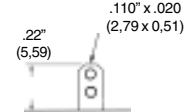
**P Solder Eye (Standard)**



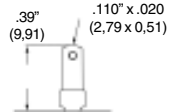
**P<sub>1</sub> Printed Circuit and Wire Wrap, Short**



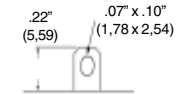
**S<sub>1</sub> Quick Connect**



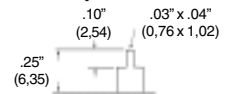
**P<sub>1</sub> Quick Connect**



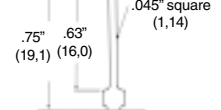
**S Solder Eye (Standard)**



**S<sub>1</sub> Printed Circuit**



**P<sub>1</sub> Wire Wrap, Long**



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite. A heavy-duty polarizing/ground contact is in position 14 for Nos. 3324, 3327, 3330 and in position 17 for No. 3333.



38330-XX02



38330-XX03



38330-XX04



38330-XX06



38336-6XXX



38330-XX08



38330-XX12



38330-XX15 to 38330-XX21



38330-XX24 to 38330-XX30



38330-XX33

\* Indicates location of pre-grounding contact. † Pre-grounding contact is standard

# ORDERING INFORMATION AND DIMENSIONS



## Beau™ Power Connectors Panel Mount Plugs and Sockets

**38330, 38336**

| Part#  | T    |      | V    |      |
|--------|------|------|------|------|
|        | in   | mm   | in   | mm   |
| 3302*  | 1.38 | 34.9 | 2.11 | 53.6 |
| 3303   | 1.38 | 34.9 | 2.11 | 53.6 |
| 3304   | 1.38 | 34.9 | 2.11 | 53.6 |
| 3306   | 1.38 | 34.9 | 2.11 | 53.6 |
| 3306-8 | 1.38 | 34.9 | 2.11 | 53.6 |
| 3308   | 1.38 | 34.9 | 2.11 | 53.6 |
| 3312   | 1.38 | 34.9 | 2.11 | 53.6 |
| 3315   | 2.00 | 50.8 | 2.81 | 71.4 |
| 3318   | 2.31 | 58.7 | 3.13 | 79.4 |
| 3321   | 2.63 | 66.7 | 3.44 | 87.3 |
| 3324   | 2.94 | 74.6 | 3.75 | 95.3 |
| 3327   | 3.25 | 82.6 | 4.06 | 103  |
| 3330   | 3.56 | 90.5 | 4.38 | 111  |
| 3333   | 3.88 | 98.4 | 4.69 | 119  |

| Part # | Fig. # | A     |      | C     |      |
|--------|--------|-------|------|-------|------|
|        |        | in    | mm   | in    | mm   |
| 3302*  | P      | 1.750 | 44.5 | 1.500 | 38.1 |
| 3303   | P      | 1.750 | 44.5 | 1.500 | 38.1 |
| 3304   | P      | 1.750 | 44.5 | 1.500 | 38.1 |
| 3306   | P      | 1.750 | 44.5 | 1.500 | 38.1 |
| 3306-8 | P      | 1.750 | 44.5 | 1.500 | 38.1 |
| 3308   | P      | 1.750 | 44.5 | 1.500 | 38.1 |
| 3312   | P      | 1.750 | 44.5 | 1.500 | 38.1 |
| 3315   | Q      | 2.375 | 60.3 | 2.000 | 50.8 |
| 3318   | Q      | 2.687 | 68.2 | 2.312 | 58.7 |
| 3321   | Q      | 3.000 | 76.2 | 2.625 | 66.7 |
| 3324   | Q      | 3.312 | 84.1 | 2.937 | 74.6 |
| 3327   | Q      | 3.625 | 92.1 | 3.250 | 82.6 |
| 3330   | Q      | 3.937 | 100  | 3.562 | 90.5 |
| 3333   | Q      | 4.250 | 108  | 3.875 | 98.4 |

| PLUGS              |               | SOCKETS            |               |
|--------------------|---------------|--------------------|---------------|
| Deep Bracket (-DB) |               | Deep Bracket (-DB) |               |
| Order #            | Engineering # | Order #            | Engineering # |
| 38330-5702         | P-3302-DB     | 38330-6102         | S-3302-DB     |
| 38330-5703         | P-3303-DB     | 38330-6103         | S-3303-DB     |
| 38330-5704         | P-3304-DB     | 38330-6104         | S-3304-DB     |
| 38330-5706         | P-3306-DB     | 38330-6106         | S-3306-DB     |
| 38336-8057         | P-3306-8-DB   | 38336-8061         | S-3306-8-DB   |
| 38330-5708         | P-3308-DB     | 38330-6108         | S-3308-DB     |
| 38330-5712         | P-3312-DB     | 38330-6112         | S-3312-DB     |
| 38330-5715         | P-3315-DB     | 38330-6115         | S-3315-DB     |
| 38330-5718         | P-3318-DB     | 38330-6118         | S-3318-DB     |
| 38330-5721         | P-3321-DB     | 38330-6121         | S-3321-DB     |
| 38330-5724         | P-3324-DB     | 38330-6124         | S-3324-DB     |
| 38330-5727         | P-3327-DB     | 38330-6127         | S-3327-DB     |
| 38330-5730         | P-3330-DB     | 38330-6130         | S-3330-DB     |
| 38330-5733         | P-3333-DB     | 38330-6133         | S-3333-DB     |

## FEATURES AND SPECIFICATIONS



## Beau™ Power Connectors Cable Mount Plugs and Sockets

### Features and Benefits

- Sizes 3 to 33 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.
- Strain relief cable clamps, used with round or flat cable

### Electrical

Voltage: 250V  
Maximum Current: 10 Amp

### Mechanical

Operating Temperature: 110°C

### Physical

Base Insulator: High-grade phenolic, black  
Plug Contact: Brass  
Plug Contact Plating: Tin  
Socket Contact: Phosphor bronze  
Socket Contact Plating: Tin

**38331, 38336**

**Cable Clamp End (CCE)**

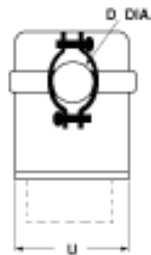
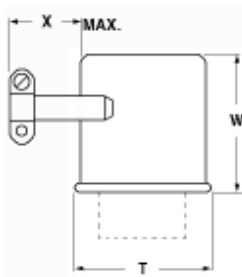


### Reference Information

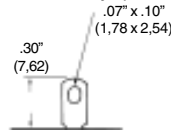
UL: File E34763 CSA: File 22156

## CONTACT TAILS

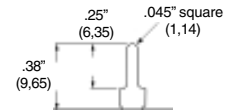
Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles



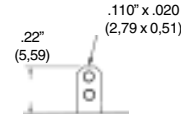
#### P Solder Eye (Standard)



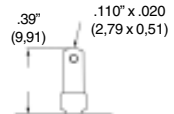
#### P<sub>1</sub> Printed Circuit and Wire Wrap, Short



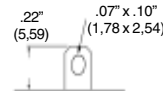
#### S<sub>1</sub> Quick Connect



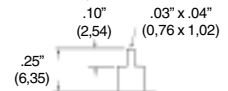
#### P<sub>1</sub> Quick Connect



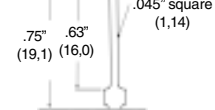
#### S Solder Eye (Standard)



#### S<sub>2</sub> Printed Circuit



#### P<sub>2</sub> Wire Wrap, Long



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite. A heavy-duty polarizing/ground contact is in position 14 for Nos. 3324, 3327, 3330 and in position 17 for No. 3333.



38330-XX03



38330-XX04



38330-XX06



38336-8XXX



38330-XX08



38330-XX10



38330-XX12



38330-XX15 to 38330-XX21



38330-XX24 to 38330-XX30



38330-XX33

\* Indicates location of pre-grounding contact. † Pre-grounding contact is standard

## ORDERING INFORMATION AND DIMENSIONS



## Beau™ Power Connectors Cable Mount Plugs and Sockets

**38330, 38336**

| Part#  | D   |      | T    |      | U    |      | W    |      | X   |      |
|--------|-----|------|------|------|------|------|------|------|-----|------|
|        | in  | mm   | in   | mm   | in   | mm   | in   | mm   | in  | mm   |
| 3303   | .31 | 7.9  | 1.00 | 25.4 | .44  | 11.1 | .97  | 24.6 | .50 | 12.7 |
| 3304   | .38 | 9.5  | .75  | 25.4 | .69  | 17.5 | .97  | 24.6 | .50 | 12.7 |
| 3306   | .44 | 11.1 | 1.00 | 25.4 | .69  | 17.5 | 1.06 | 27.0 | .50 | 12.7 |
| 3306-8 | .44 | 11.1 | 1.00 | 25.4 | .69  | 17.5 | 1.06 | 27.0 | .50 | 12.7 |
| 3308   | .50 | 12.7 | 1.25 | 31.8 | .69  | 17.5 | 1.06 | 27.0 | .50 | 12.7 |
| 3310   | .50 | 12.7 | 1.56 | 39.7 | .69  | 17.5 | 1.19 | 30.2 | .50 | 12.7 |
| 3312   | .56 | 14.3 | 1.25 | 31.8 | .94  | 23.8 | 1.19 | 30.2 | .50 | 12.7 |
| 3315   | .56 | 14.3 | 1.78 | 45.2 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3318   | .56 | 14.3 | 2.08 | 52.8 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3321   | .63 | 15.9 | 2.34 | 59.5 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3324   | .63 | 15.9 | 2.78 | 70.6 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3327   | .63 | 15.9 | 3.00 | 76.2 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3330   | .75 | 19.0 | 3.34 | 84.9 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3333   | .75 | 19.0 | 3.66 | 92.9 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |

| For Connector size                                           | Clamp opening dia., in. (mm) |             | Clamp Number |
|--------------------------------------------------------------|------------------------------|-------------|--------------|
|                                                              | min                          | max         |              |
| Standard Clamps Sizes                                        |                              |             |              |
| 3833X-XX02                                                   | .13" (3,3)                   | .38" (9,7)  | -            |
| 3833X-XX03                                                   | .13" (3,3)                   | .38" (9,7)  | -            |
| 3833X-XX04 thru 3833X-XX12                                   | .22" (5,6)                   | .50" (12,7) | -            |
| 3833X-XX15 thru 3833X-XX18                                   | .38" (9,7)                   | .72" (18,3) | -            |
| 3833X-XX21 thru 3833X-XX33                                   | .38" (9,7)                   | .84" (21,3) | -            |
| Clamp Options                                                |                              |             |              |
| 3833X-XX15 thru 3833X-XX33                                   | .45" (11,4)                  | .91" (23,1) | 78           |
| 3833X-XX15 thru 3833X-XX33 for Mating with Deep Bracket (DB) | .38" (9,7)                   | .72" (18,3) | 47           |

| PLUGS                 |               | SOCKETS               |               |
|-----------------------|---------------|-----------------------|---------------|
| Cable Clamp End (CCE) |               | Cable Clamp End (CCE) |               |
| Order #               | Engineering # | Order #               | Engineering # |
| 38331-1403            | P-3303-CCE    | 38331-3803            | S-3303-CCE    |
| 38331-1404            | P-3304-CCE    | 38331-3804            | S-3304-CCE    |
| 38331-1406            | P-3306-CCE    | 38331-3806            | S-3306-CCE    |
| 38336-8114            | P-3306-8-CCE  | 38336-8138            | S-3306-8-CCE  |
| 38331-1408            | P-3308-CCE    | 38331-3808            | S-3308-CCE    |
| 38331-1410            | P-3310-CCE    | 38331-3810            | S-3310-CCE    |
| 38331-1412            | P-3312-CCE    | 38331-3812            | S-3312-CCE    |
| 38331-1415            | P-3315-CCE    | 38331-3815            | S-3315-CCE    |
| 38331-1418            | P-3318-CCE    | 38331-3818            | S-3318-CCE    |
| 38331-1421            | P-3321-CCE    | 38331-3821            | S-3321-CCE    |
| 38331-1424            | P-3324-CCE    | 38331-3824            | S-3324-CCE    |
| 38331-1427            | P-3327-CCE    | 38331-3827            | S-3327-CCE    |
| 38331-1430            | P-3330-CCE    | 38331-3830            | S-3330-CCE    |
| 38331-1433            | P-3333-CCE    | 38331-3833            | S-3333-CCE    |



## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 2 to 33 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Reference Information

UL: File E34763

CSA: File 22156

### Electrical

Voltage: 250V

Maximum Current: 10 Amp

### Mechanical

Operating Temperature: 110°C

### Physical

Base Insulator: High-grade phenolic, black

Plug Contact: Brass

Plug Contact Plating: Tin

Socket Contact: Phosphor bronze

Socket Contact Plating: Tin

Pre-grounding Contact: Heavy-duty plated brass

## Beau™ Power Connectors Cable Mount Plugs and Sockets

**38330, 38331, 38336**

**Cable Clamp Top (CCT)**

**Cable Clamp Top w/Keeper (CCT-K)**

**Cable Clamp Top w/ Latch (CCT-L)**

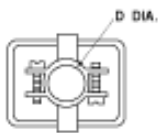


## OPTIONS

## CONTACT TAILS

For connecting two cable-mounted connectors, plug and socket can be equipped with either a latch (-L) or keeper (-K)>

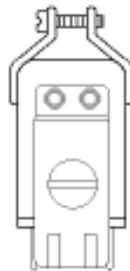
Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles



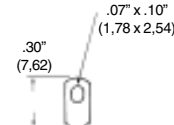
Keeper (-K)



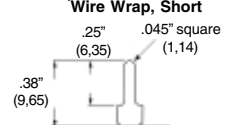
Latch (-L)



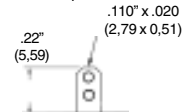
P Solder Eye (Standard)



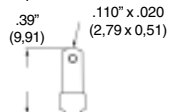
P<sub>2</sub> Printed Circuit and Wire Wrap, Short



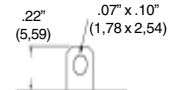
S<sub>1</sub> Quick Connect



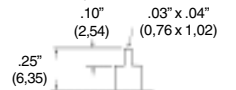
P<sub>1</sub> Quick Connect



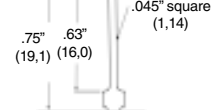
S Solder Eye (Standard)



S<sub>6</sub> Printed Circuit



P<sub>4</sub> Wire Wrap, Long

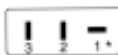


### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite. A heavy-duty polarizing/ground contact is in position 14 for Nos. 3324, 3327, 3330 and in position 17 for No. 3333.



38330-XX02



38330-XX03



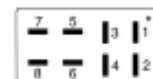
38330-XX04



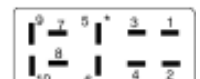
38330-XX06



38336-8XXX



38330-XX08



38330-XX10



38330-XX12



38330-XX15 to 38330-XX21



38330-XX24 to 38330-XX30



38330-XX33

\* Indicates location of pre-grounding contact. † Pre-grounding contact is standard

# ORDERING INFORMATION AND DIMENSIONS



## Beau™ Power Connectors Cable Mount Plugs and Sockets

**38330, 38336, 38336**

| Part#  | D   |      | T    |      | U    |      | W    |      | X   |      |
|--------|-----|------|------|------|------|------|------|------|-----|------|
|        | in  | mm   | in   | mm   | in   | mm   | in   | mm   | in  | mm   |
| 3302   | .38 | 9.5  | .66  | 16.7 | —    | —    | .97  | 24.6 | .50 | 12.7 |
| 3303   | .31 | 7.9  | 1.00 | 25.4 | .44  | 11.1 | .97  | 24.6 | .50 | 12.7 |
| 3304   | .38 | 9.5  | .75  | 25.4 | .69  | 17.5 | .97  | 24.6 | .50 | 12.7 |
| 3306   | .44 | 11.1 | 1.00 | 25.4 | .69  | 17.5 | 1.06 | 27.0 | .50 | 12.7 |
| 3306-8 | .44 | 11.1 | 1.00 | 25.4 | .69  | 17.5 | 1.06 | 27.0 | .50 | 12.7 |
| 3308   | .50 | 12.7 | 1.25 | 31.8 | .69  | 17.5 | 1.06 | 27.0 | .50 | 12.7 |
| 3310   | .50 | 12.7 | 1.56 | 39.7 | .69  | 17.5 | 1.19 | 30.2 | .50 | 12.7 |
| 3312   | .56 | 14.3 | 1.25 | 31.8 | .94  | 23.8 | 1.19 | 30.2 | .50 | 12.7 |
| 3315   | .56 | 14.3 | 1.78 | 45.2 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3318   | .56 | 14.3 | 2.08 | 52.8 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3321   | .63 | 15.9 | 2.34 | 59.5 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3324   | .63 | 15.9 | 2.78 | 70.6 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3327   | .63 | 15.9 | 3.00 | 76.2 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3330   | .75 | 19.0 | 3.34 | 84.9 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3333   | .75 | 19.0 | 3.66 | 92.9 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |

| For Connector size         | Clamp opening dia., in. (mm) |             | Clamp Number |
|----------------------------|------------------------------|-------------|--------------|
|                            | min                          | max         |              |
| Standard Clamps Sizes      |                              |             |              |
| 3833X-XX02                 | .13" (3,3)                   | .38" (9,7)  | -            |
| 3833X-XX03                 | .13" (3,3)                   | .38" (9,7)  | -            |
| 3833X-XX04 thru 3833X-XX12 | .22" (5,6)                   | .50" (12,7) | -            |
| 3833X-XX15 thru 3833X-XX18 | .38" (9,7)                   | .72" (18,3) | -            |
| 3833X-XX21 thru 3833X-XX33 | .38" (9,7)                   | .84" (21,3) | -            |
| Clamp Option               |                              |             |              |
| 3833X-XX15 thru 3833X-XX33 | .45" (11,4)                  | .91" (23,1) | 78           |

### PLUGS

| Cable Clamp Top (-CCT) |               | Cable Clamp Top w/Keeper (-CCT-K) |                | Cable Clamp Top w/Latch (-CCT-L) |                |
|------------------------|---------------|-----------------------------------|----------------|----------------------------------|----------------|
| Order #                | Engineering # | Order #                           | Engineering #  | Order #                          | Engineering #  |
| 38331-5602             | P-3302-CCT    | 38331-6002                        | P-3302-CCT-K   | 38331-5802                       | P-3302-CCT-L   |
| 38331-5603             | P-3303-CCT    | 38331-6003                        | P-3303-CCT-K   | 38331-5803                       | P-3303-CCT-L   |
| 38331-5604             | P-3304-CCT    | 38331-6004                        | P-3304-CCT-K   | 38331-5804                       | P-3304-CCT-L   |
| 38331-5606             | P-3306-CCT    | 38331-6006                        | P-3306-CCT-K   | 38331-5806                       | P-3306-CCT-L   |
| 38336-8156             | P-3306-8-CCT  | 38336-8160                        | P-3306-8-CCT-K | 38336-8158                       | P-3306-8-CCT-L |
| 38331-5608             | P-3308-CCT    | 38331-6008                        | P-3308-CCT-K   | 38331-5808                       | P-3308-CCT-L   |
| 38331-5610             | P-3310-CCT    | 38331-6010                        | P-3310-CCT-K   | 38331-5810                       | P-3310-CCT-L   |
| 38331-5612             | P-3312-CCT    | 38331-6012                        | P-3312-CCT-K   | 38331-5812                       | P-3312-CCT-L   |
| 38331-5615             | P-3315-CCT    | 38331-6015                        | P-3315-CCT-K   | 38331-5815                       | P-3315-CCT-L   |
| 38331-5618             | P-3318-CCT    | 38331-6018                        | P-3318-CCT-K   | 38331-5818                       | P-3318-CCT-L   |
| 38331-5621             | P-3321-CCT    | 38331-6021                        | P-3321-CCT-K   | 38331-5821                       | P-3321-CCT-L   |
| 38331-5624             | P-3324-CCT    | 38331-6024                        | P-3324-CCT-K   | 38331-5824                       | P-3324-CCT-L   |
| 38331-5627             | P-3327-CCT    | 38331-6027                        | P-3327-CCT-K   | 38331-5827                       | P-3327-CCT-L   |
| 38331-5630             | P-3330-CCT    | 38331-6030                        | P-3330-CCT-K   | 38331-5830                       | P-3330-CCT-L   |
| 38331-5633             | P-3333-CCT    | 38331-6033                        | P-3333-CCT-K   | 38331-5833                       | P-3333-CCT-L   |

### SOCKETS

| Cable Clamp Top (-CCT) |               | Cable Clamp Top w/Keeper (-CCT-K) |                | Cable Clamp Top w/Latch (-CCT-L) |                |
|------------------------|---------------|-----------------------------------|----------------|----------------------------------|----------------|
| Order #                | Engineering # | Order #                           | Engineering #  | Order #                          | Engineering #  |
| 38331-8002             | S-3302-CCT    | 38331-8402                        | S-3302-CCT-K   | 38331-8202                       | S-3302-CCT-L   |
| 38331-8003             | S-3303-CCT    | 38331-8403                        | S-3303-CCT-K   | 38331-8203                       | S-3303-CCT-L   |
| 38331-8004             | S-3304-CCT    | 38331-8404                        | S-3304-CCT-K   | 38331-8204                       | S-3304-CCT-L   |
| 38331-8006             | S-3306-CCT    | 38331-8406                        | S-3306-CCT-K   | 38331-8206                       | S-3306-CCT-L   |
| 38336-8180             | S-3306-8-CCT  | 38336-8184                        | S-3306-8-CCT-K | 38336-8182                       | S-3306-8-CCT-L |
| 38331-8008             | S-3308-CCT    | 38331-8408                        | S-3308-CCT-K   | 38331-8208                       | S-3308-CCT-L   |
| 38331-8010             | S-3310-CCT    | 38331-8410                        | S-3310-CCT-K   | 38331-8210                       | S-3310-CCT-L   |
| 38331-8012             | S-3312-CCT    | 38331-8412                        | S-3312-CCT-K   | 38331-8212                       | S-3312-CCT-L   |
| 38331-8015             | S-3315-CCT    | 38331-8415                        | S-3315-CCT-K   | 38331-8215                       | S-3315-CCT-L   |
| 38331-8018             | S-3318-CCT    | 38331-8418                        | S-3318-CCT-K   | 38331-8218                       | S-3318-CCT-L   |
| 38331-8021             | S-3321-CCT    | 38331-8421                        | S-3321-CCT-K   | 38331-8221                       | S-3321-CCT-L   |
| 38331-8024             | S-3324-CCT    | 38331-8424                        | S-3324-CCT-K   | 38331-8224                       | S-3324-CCT-L   |
| 38331-8027             | S-3327-CCT    | 38331-8427                        | S-3327-CCT-K   | 38331-8227                       | S-3327-CCT-L   |
| 38331-8030             | S-3330-CCT    | 38331-8430                        | S-3330-CCT-K   | 38331-8230                       | S-3330-CCT-L   |
| 38331-8033             | S-3333-CCT    | 38331-8433                        | S-3333-CCT-K   | 38331-8233                       | S-3333-CCT-L   |

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 3 to 33 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Reference Information

UL: File E34763

CSA: File 22156

### Electrical

Voltage: 250V

Maximum Current: 10 Amp

### Mechanical

Operating Temperature: 110°C

### Physical

Base Insulator: High-grade phenolic, black

Plug Contact: Brass

Plug Contact Plating: Tin

Socket Contact: Phosphor bronze

Socket Contact Plating: Tin

Pre-grounding Contact: Heavy-duty plated brass



## Beau™ Power Connectors Cable Mount Plugs and Sockets

**38330, 38336**

**Flared Hole End (FHE)**



### CONTACT TAILS

Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles



#### P Solder Eye (Standard)



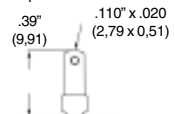
#### P<sub>1</sub> Printed Circuit and Wire Wrap, Short



#### S<sub>1</sub> Quick Connect



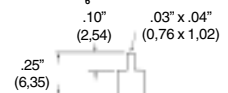
#### P<sub>1</sub> Quick Connect



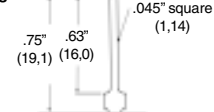
#### S Solder Eye (Standard)



#### S<sub>2</sub> Printed Circuit



#### P<sub>2</sub> Wire Wrap, Long



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite. A heavy-duty polarizing/ground contact is in position 14 for Nos. 3324, 3327, 3330 and in position 17 for No. 3333.



38330-XX03



38330-XX04



38330-XX06



38336-8XXX



38330-XX08



38330-XX10



38330-XX12



38330-XX15 to 38330-XX21



38330-XX24 to 38330-XX30



38330-XX33

\* Indicates location of pre-grounding contact. † Pre-grounding contact is standard

# ORDERING INFORMATION AND DIMENSIONS



Beau™ Power Connectors  
Cable Mount Plugs and Sockets

38330, 38336

| Part#  | D   |      | T    |      | U    |      | W    |      | X   |      |
|--------|-----|------|------|------|------|------|------|------|-----|------|
|        | in  | mm   | in   | mm   | in   | mm   | in   | mm   | in  | mm   |
| 3303   | .31 | 7.9  | 1.00 | 25.4 | .44  | 11.1 | .97  | 24.6 | .50 | 12.7 |
| 3304   | .38 | 9.5  | .75  | 25.4 | .69  | 17.5 | .97  | 24.6 | .50 | 12.7 |
| 3306   | .44 | 11.1 | 1.00 | 25.4 | .69  | 17.5 | 1.06 | 27.0 | .50 | 12.7 |
| 3306-8 | .44 | 11.1 | 1.00 | 25.4 | .69  | 17.5 | 1.06 | 27.0 | .50 | 12.7 |
| 3308   | .50 | 12.7 | 1.25 | 31.8 | .69  | 17.5 | 1.06 | 27.0 | .50 | 12.7 |
| 3310   | .50 | 12.7 | 1.56 | 39.7 | .69  | 17.5 | 1.19 | 30.2 | .50 | 12.7 |
| 3312   | .56 | 14.3 | 1.25 | 31.8 | .94  | 23.8 | 1.19 | 30.2 | .50 | 12.7 |
| 3315   | .56 | 14.3 | 1.78 | 45.2 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3318   | .56 | 14.3 | 2.08 | 52.8 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3321   | .63 | 15.9 | 2.34 | 59.5 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3324   | .63 | 15.9 | 2.78 | 70.6 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3327   | .63 | 15.9 | 3.00 | 76.2 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3330   | .75 | 19.0 | 3.34 | 84.9 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |
| 3333   | .75 | 19.0 | 3.66 | 92.9 | 1.16 | 29.4 | 1.75 | 44.5 | .75 | 19.1 |

| PLUGS                 |               | SOCKETS               |               |
|-----------------------|---------------|-----------------------|---------------|
| Flared Hole End (FHE) |               | Flared End Hole (FHE) |               |
| Order #               | Engineering # | Order #               | Engineering # |
| 38330-8503            | P-3303-FHE    | 38330-9303            | S-3303-FHE    |
| 38330-8504            | P-3304-FHE    | 38330-9304            | S-3304-FHE    |
| 38330-8506            | P-3306-FHE    | 38330-9306            | S-3306-FHE    |
| 38336-8085            | P-3306-8-FHE  | 38336-8093            | S-3306-8-FHE  |
| 38330-8508            | P-3308-FHE    | 38330-9308            | S-3308-FHE    |
| 38330-8510            | P-3310-FHE    | 38330-9310            | S-3310-FHE    |
| 38330-8512            | P-3312-FHE    | 38330-9312            | S-3312-FHE    |
| 38330-8515            | P-3315-FHE    | 38330-9315            | S-3315-FHE    |
| 38330-8518            | P-3318-FHE    | 38330-9318            | S-3318-FHE    |
| 38330-8521            | P-3321-FHE    | 38330-9321            | S-3321-FHE    |
| 38330-8524            | P-3324-FHE    | 38330-9324            | S-3324-FHE    |
| 38330-8527            | P-3327-FHE    | 38330-9327            | S-3327-FHE    |
| 38330-8530            | P-3330-FHE    | 38330-9330            | S-3330-FHE    |
| 38330-8533            | P-3333-FHE    | 38330-9333            | S-3333-FHE    |

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 2 to 33 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Reference Information

UL: File E34763

CSA: File 22156

### Electrical

Voltage: 250V

Maximum Current: 10 Amp

### Mechanical

Operating Temperature: 110°C

### Physical

Base Insulator: High-grade phenolic, black

Plug Contact: Brass

Plug Contact Plating: Tin

Socket Contact: Phosphor bronze

Socket Contact Plating: Tin

Pre-grounding Contact: Heavy-duty plated brass



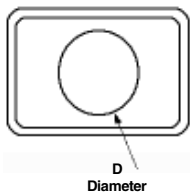
## Beau™ Power Connectors Cable Mount Plugs and Sockets

**38330, 38331, 38336**  
**Flared Hole Top (FHT)**

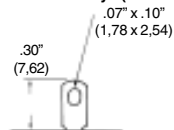


### CONTACT TAILS

Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles



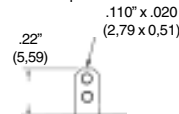
#### P Solder Eye (Standard)



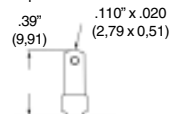
#### P<sub>1</sub> Printed Circuit and Wire Wrap, Short



#### S<sub>1</sub> Quick Connect



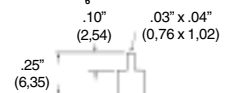
#### P<sub>1</sub> Quick Connect



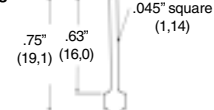
#### S Solder Eye (Standard)



#### S<sub>2</sub> Printed Circuit



#### P<sub>1</sub> Wire Wrap, Long



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite. A heavy-duty polarizing/ground contact is in position 14 for Nos. 3324, 3327, 3330 and in position 17 for No. 3333.



38330-XX03



38330-XX04



38330-XX06



38336-8XXX



38330-XX08



38330-XX10



38330-XX12



38330-XX15 to 38330-XX21



38330-XX24 to 38330-XX30



38330-XX33

\* Indicates location of pre-grounding contact. † Pre-grounding contact is standard

## ORDERING INFORMATION AND DIMENSIONS



Beau™ Power Connectors  
Cable Mount Plugs and Sockets

**38330, 38331, 38336**

| Part#  | D   |      | T    |      | U    |      | W    |      |
|--------|-----|------|------|------|------|------|------|------|
|        | in  | mm   | in   | mm   | in   | mm   | in   | mm   |
| 3302*  | .38 | 9.5  | .66  | 16.7 | —    | —    | .97  | 24.6 |
| 3303   | .31 | 7.9  | 1.00 | 25.4 | .44  | 11.1 | .97  | 24.6 |
| 3304   | .38 | 9.5  | .75  | 25.4 | .69  | 17.5 | .97  | 24.6 |
| 3306   | .44 | 11.1 | 1.00 | 25.4 | .69  | 17.5 | 1.06 | 27.0 |
| 3306-8 | .44 | 11.1 | 1.00 | 25.4 | .69  | 17.5 | 1.06 | 27.0 |
| 3308   | .50 | 12.7 | 1.25 | 31.8 | .69  | 17.5 | 1.06 | 27.0 |
| 3310   | .50 | 12.7 | 1.56 | 39.7 | .69  | 17.5 | 1.19 | 30.2 |
| 3312   | .56 | 14.3 | 1.25 | 31.8 | .94  | 23.8 | 1.19 | 30.2 |
| 3315   | .56 | 14.3 | 1.78 | 45.2 | 1.16 | 29.4 | 1.75 | 44.5 |
| 3318   | .56 | 14.3 | 2.08 | 52.8 | 1.16 | 29.4 | 1.75 | 44.5 |
| 3321   | .63 | 15.9 | 2.34 | 59.5 | 1.16 | 29.4 | 1.75 | 44.5 |
| 3324   | .63 | 15.9 | 2.78 | 70.6 | 1.16 | 29.4 | 1.75 | 44.5 |
| 3327   | .63 | 15.9 | 3.00 | 76.2 | 1.16 | 29.4 | 1.75 | 44.5 |
| 3330   | .75 | 19.0 | 3.34 | 84.9 | 1.16 | 29.4 | 1.75 | 44.5 |
| 3333   | .75 | 19.0 | 3.66 | 92.9 | 1.16 | 29.4 | 1.75 | 44.5 |

| PLUGS                 |               | SOCKETS               |               |
|-----------------------|---------------|-----------------------|---------------|
| Flared Hole Top (FHT) |               | Flared Hole Top (FHT) |               |
| Order #               | Engineering # | Order #               | Engineering # |
| 38330-9902            | P-3302-FHT    | 38331-0802            | S-3302-FHT    |
| 38330-9903            | P-3303-FHT    | 38331-0803            | S-3303-FHT    |
| 38330-9904            | P-3304-FH     | 38331-0804            | S-3304-FHT    |
| 38330-9906            | P-3306-FHT    | 38331-0806            | S-3306-FHT    |
| 38336-8099            | P-3306-8-FHT  | 38336-8108            | S-3306-8-FHT  |
| 38330-9908            | P-3308-FHT    | 38331-0808            | S-3308-FHT    |
| 38330-9910            | P-3310-FHT    | 38331-0810            | S-3310-FHT    |
| 38330-9912            | P-3312-FHT    | 38331-0812            | S-3312-FHT    |
| 38330-9915            | P-3315-FHT    | 38331-0815            | S-3315-FHT    |
| 38330-9918            | P-3318-FHT    | 38331-0818            | S-3318-FHT    |
| 38330-9921            | P-3321-FHT    | 38331-0821            | S-3321-FHT    |
| 38330-9924            | P-3324-FHT    | 38331-0824            | S-3324-FHT    |
| 38330-9927            | P-3327-FHT    | 38331-0827            | S-3327-FHT    |
| 38330-9930            | P-3330-FHT    | 38331-0830            | S-3330-FHT    |
| 38330-9933            | P-3333-FHT    | 38331-0833            | S-3333-FHT    |



## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 4 to 16 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Reference Information

UL : File E34763  
CSA: File 22156

### Electrical

Voltage: 250V  
Maximum Current: 15 Amp

### Mechanical

Operating Temperature: 150°C

### Physical

Base Insulator: High-grade phenolic, black  
Plug Contact: Brass  
Plug Contact Plating: Tin  
Socket Contact: Phosphor bronze  
Socket Contact Plating: Tin  
Pre-grounding Contact: Heavy-duty plated brass

## Beau™ Power Connectors Panel Mount Plugs and Sockets

**38540**

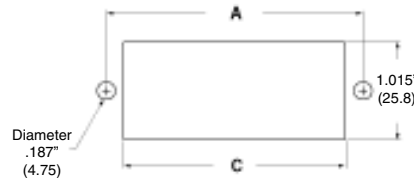
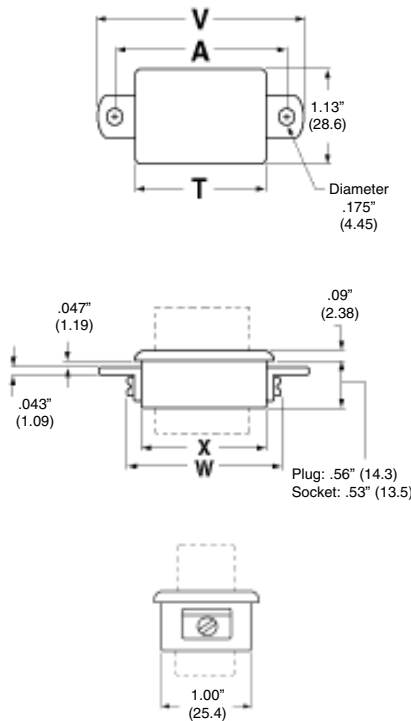
**Angle Bracket (AB)  
Angle Bracket Tapped (ABT)  
Less Angle Bracket (LAB)**



### SUGGESTED PANEL MOUNTING DIMENSIONS

### CONTACT TAILS

Fig. J



Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles

P Solder Hook (Standard)



P<sub>3</sub> Solder Eye, large



S<sub>3</sub> Solder Eye, large



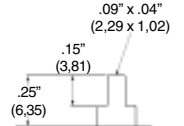
P<sub>1</sub> Quick Connect



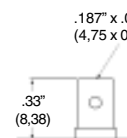
P<sub>6</sub> Printed Circuit



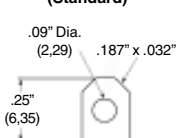
S<sub>6</sub> Printed Circuit



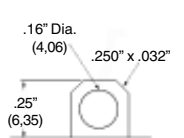
P<sub>2</sub> Quick Connect



S<sub>1</sub> Solder Eye & Quick Connect (Standard)



S<sub>3</sub> Solder Eye, extra large & quick connect



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite.

○ Polarizing position

◐ Combination pre-grounding/polarizing position

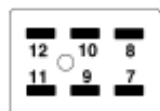
● Polarizing position - Current carrying contacts



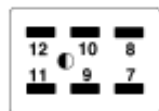
38540-XX04



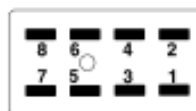
38540-XX05



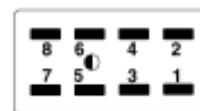
38540-XX06



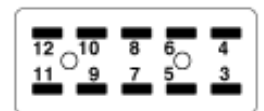
38540-XX07



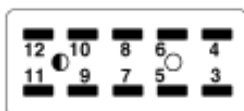
38540-XX08



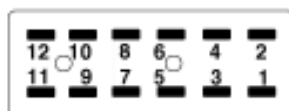
38540-XX09



38540-XX10



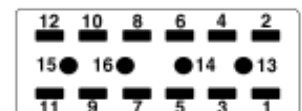
38540-XX011



38540-XX12



38540-XX08



38540-XX14, 38540-XX15, 38540-XX16

# ORDERING INFORMATION AND DIMENSIONS



## Beau™ Power Connectors Panel Mount Plugs and Sockets

38540

| Part#   | T    |      | V    |      | W    |      | X    |      |
|---------|------|------|------|------|------|------|------|------|
|         | in   | mm   | in   | mm   | in   | mm   | in   | mm   |
| 5404/05 | 1.13 | 28.6 | 2.02 | 51.2 | 1.23 | 31.4 | 1.00 | 25.4 |
| 5406/07 | 1.56 | 39.7 | 2.45 | 62.3 | 1.67 | 42.5 | 1.44 | 36.5 |
| 5408/09 | 2.00 | 50.8 | 2.89 | 73.4 | 2.11 | 53.6 | 1.88 | 47.6 |
| 5410/11 | 2.44 | 61.9 | 3.33 | 84.5 | 2.55 | 64.7 | 2.31 | 58.7 |
| 5412/13 | 2.88 | 73.0 | 3.77 | 95.6 | 2.98 | 75.8 | 2.75 | 69.9 |
| 5414    | 2.88 | 73.0 | 3.77 | 95.6 | 2.98 | 75.8 | 2.75 | 69.9 |
| 5415    | 2.88 | 73.0 | 3.77 | 95.6 | 2.98 | 75.8 | 2.75 | 69.9 |
| 5416    | 2.88 | 73.0 | 3.77 | 95.6 | 2.98 | 75.8 | 2.75 | 69.9 |

| Part #  | Fig.# | A     |      | C     |      |
|---------|-------|-------|------|-------|------|
|         |       | in    | mm   | in    | mm   |
| 5404/05 | J     | 1.594 | 40.5 | 1.015 | 25.8 |
| 5406/07 | J     | 2.031 | 51.6 | 1.453 | 36.9 |
| 5408/09 | J     | 2.468 | 62.7 | 1.891 | 48.0 |
| 5410/11 | J     | 2.906 | 73.8 | 2.328 | 59.1 |
| 5412/13 | J     | 3.344 | 84.9 | 2.766 | 70.3 |
| 5414    | J     | 3.344 | 84.9 | 2.766 | 70.3 |
| 5415    | J     | 3.344 | 84.9 | 2.766 | 70.3 |
| 5416    | J     | 3.344 | 84.9 | 2.766 | 70.3 |

### PLUGS

| Angle Bracket (-AB) |               | Angle Bracket Tapped (-ABT) |               | Less Angle Bracket (-LAB) |               |
|---------------------|---------------|-----------------------------|---------------|---------------------------|---------------|
| Order #             | Engineering # | Order #                     | Engineering # | Order #                   | Engineering # |
| 38540-0104          | P-5404-AB     | 38540-1004                  | P-5404-ABT    | 38540-1904                | P-5404-LAB    |
| 38540-0105          | P-5405-AB     | 38540-1005                  | P-5405-ABT    | 38540-1905                | P-5405-LAB    |
| 38540-0106          | P-5406-AB     | 38540-1006                  | P-5406-ABT    | 38540-1906                | P-5406-LAB    |
| 38540-0107          | P-5407-AB     | 38540-1007                  | P-5407-ABT    | 38540-1907                | P-5407-LAB    |
| 38540-0108          | P-5408-AB     | 38540-1008                  | P-5408-ABT    | 38540-1908                | P-5408-LAB    |
| 38540-0109          | P-5409-AB     | 38540-1009                  | P-5409-ABT    | 38540-1909                | P-5409-LAB    |
| 38540-0110          | P-5410-AB     | 38540-1010                  | P-5410-ABT    | 38540-1910                | P-5410-LAB    |
| 38540-0111          | P-5411-AB     | 38540-1011                  | P-5411-ABT    | 38540-1911                | P-5411-LAB    |
| 38540-0112          | P-5412-AB     | 38540-1012                  | P-5412-ABT    | 38540-1912                | P-5412-LAB    |
| 38540-0113          | P-5413-AB     | 38540-1013                  | P-5413-ABT    | 38540-1913                | P-5413-LAB    |
| 38540-0114          | P-5414-AB     | 38540-1014                  | P-5414-ABT    | 38540-1914                | P-5414-LAB    |
| 38540-0115          | P-5415-AB     | 38540-1015                  | P-5415-ABT    | 38540-1915                | P-5415-LAB    |
| 38540-0116          | P-5416-AB     | 38540-1016                  | P-5416-ABT    | 38540-1916                | P-5416-LAB    |

### SOCKETS

| Angle Bracket (-AB) |               | Angle Bracket Tapped (-ABT) |               | Less Angle Bracket (-LAB) |               |
|---------------------|---------------|-----------------------------|---------------|---------------------------|---------------|
| Order #             | Engineering # | Order #                     | Engineering # | Order #                   | Engineering # |
| 38540-0604          | S-5404-AB     | 38540-1504                  | S-5404-ABT    | 38540-2404                | S-5404-LAB    |
| 38540-0605          | S-5405-AB     | 38540-1505                  | S-5405-ABT    | 38540-2405                | S-5405-LAB    |
| 38540-0606          | S-5406-AB     | 38540-1506                  | S-5406-ABT    | 38540-2406                | S-5406-LAB    |
| 38540-0607          | S-5407-AB     | 38540-1507                  | S-5407-ABT    | 38540-2407                | S-5407-LAB    |
| 38540-0608          | S-5408-AB     | 38540-1508                  | S-5408-ABT    | 38540-2408                | S-5408-LAB    |
| 38540-0609          | S-5409-AB     | 38540-1509                  | S-5409-ABT    | 38540-2409                | S-5409-LAB    |
| 38540-0610          | S-5410-AB     | 38540-1510                  | S-5410-ABT    | 38540-2410                | S-5410-LAB    |
| 38540-0611          | S-5411-AB     | 38540-1511                  | S-5411-ABT    | 38540-2411                | S-5411-LAB    |
| 38540-0612          | S-5412-AB     | 38540-1512                  | S-5412-ABT    | 38540-2412                | S-5412-LAB    |
| 38540-0613          | S-5413-AB     | 38540-1513                  | S-5413-ABT    | 38540-2413                | S-5413-LAB    |
| 38540-0614          | S-5414-AB     | 38540-1514                  | S-5414-ABT    | 38540-2414                | S-5414-LAB    |
| 38540-0615          | S-5415-AB     | 38540-1515                  | S-5415-ABT    | 38540-2415                | S-5415-LAB    |
| 38540-0616          | S-5416-AB     | 38540-1516                  | S-5416-ABT    | 38540-2416                | S-5416-LAB    |

## FEATURES AND SPECIFICATIONS



## Beau™ Power Connectors Panel Mount Plugs and Sockets

### Features and Benefits

- Sizes 4 to 16 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Electrical

Voltage: 250V  
Maximum Current: 15 Amp

### Mechanical

Operating Temperature: 150°C

### Physical

Base Insulator: High-grade phenolic, black  
Plug Contact: Brass  
Plug Contact Plating: Tin  
Socket Contact: Phosphor bronze  
Socket Contact Plating: Tin  
Pre-grounding Contact: Heavy-duty plated brass

**38542**

### Shallow Bracket (SB)



### Reference Information

UL : File E34763  
CSA: File 22156

## SUGGESTED PANEL MOUNTING DIMENSIONS

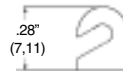
## CONTACT TAILS

Fig. L

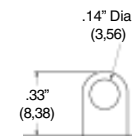
Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles



P Solder Hook (Standard)



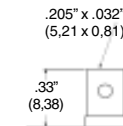
P<sub>3</sub> Solder Eye, large



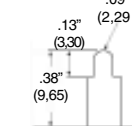
S<sub>3</sub> Solder Eye, large



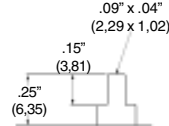
P<sub>1</sub> Quick Connect



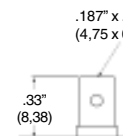
P<sub>6</sub> Printed Circuit



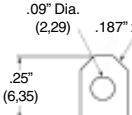
S<sub>6</sub> Printed Circuit



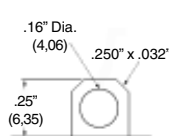
P<sub>2</sub> Quick Connect



S<sub>2</sub> Solder Eye & Quick Connect (Standard)



S<sub>5</sub> Solder Eye, extra large & quick connect



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite.

○ Polarizing position

● Combination pre-grounding/polarizing position

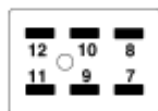
● Polarizing position - Current carrying contacts



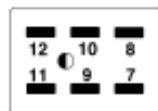
38540-XX04



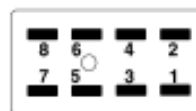
38540-XX05



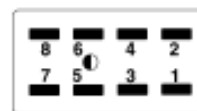
38540-XX06



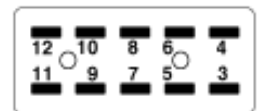
38540-XX07



38540-XX08



38540-XX09



38540-XX10



38540-XX011



38540-XX12



38540-XX08



38540-XX14, 38540-XX15, 38540-XX16

# ORDERING INFORMATION AND DIMENSIONS



## Beau™ Power Connectors Panel Mount Plugs and Sockets

38542

| Part#   | V    |      | W    |      |
|---------|------|------|------|------|
|         | in   | mm   | in   | mm   |
| 5404/05 | 1.92 | 48.8 | 1.16 | 29.4 |
| 5406/07 | 2.36 | 59.9 | 1.59 | 40.5 |
| 5408/09 | 2.80 | 71.0 | 2.03 | 51.6 |
| 5410/11 | 3.23 | 82.2 | 2.47 | 62.7 |
| 5412/13 | 3.67 | 93.3 | 2.91 | 73.8 |
| 5414    | 3.67 | 93.3 | 2.91 | 73.8 |
| 5415    | 3.67 | 93.3 | 2.91 | 73.8 |
| 5416    | 3.67 | 93.3 | 2.91 | 73.8 |

| Part#   | Fig.# | A     |      | C     |      |
|---------|-------|-------|------|-------|------|
|         |       | in    | mm   | in    | mm   |
| 5404/05 | L     | 1.500 | 38.1 | 1.250 | 31.8 |
| 5406/07 | L     | 1.937 | 49.2 | 1.687 | 42.8 |
| 5408/09 | L     | 2.375 | 60.3 | 2.125 | 54.0 |
| 5410/11 | L     | 2.812 | 71.4 | 2.562 | 65.1 |
| 5412/13 | L     | 3.250 | 82.6 | 3.000 | 76.2 |
| 5414    | L     | 3.250 | 82.6 | 3.000 | 76.2 |
| 5415    | L     | 3.250 | 82.6 | 3.000 | 76.2 |
| 5416    | L     | 3.250 | 82.6 | 3.000 | 76.2 |

| PLUGS                 |               | SOCKETS              |               |
|-----------------------|---------------|----------------------|---------------|
| Shallow Bracket (-SB) |               | Shallow Bracket (SB) |               |
| Order #               | Engineering # | Order #              | Engineering # |
| 38542-0804            | P-5404-SB     | 38542-1304           | S-5404-SB     |
| 38542-0805            | P-5405-SB     | 38542-1305           | S-5405-SB     |
| 38542-0806            | P-5406-SB     | 38542-1306           | S-5406-SB     |
| 38542-0807            | P-5407-SB     | 38542-1307           | S-5407-SB     |
| 38542-0808            | P-5408-SB     | 38542-1308           | S-5408-SB     |
| 38542-0809            | P-5409-SB     | 38542-1309           | S-5409-SB     |
| 38542-0810            | P-5410-SB     | 38542-1310           | S-5410-SB     |
| 38542-0811            | P-5411-SB     | 38542-1311           | S-5411-SB     |
| 38542-0812            | P-5412-SB     | 38542-1312           | S-5412-SB     |
| 38542-0813            | P-5413-SB     | 38542-1313           | S-5413-SB     |
| 38542-0814            | P-5414-SB     | 38542-1314           | S-5414-SB     |
| 38520-0815            | P-5415-SB     | 38520-1315           | S-5415-SB     |
| 38542-0816            | P-5416-SB     | 38542-1316           | S-5416-SB     |



## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 4 to 16 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Electrical

Voltage: 250V  
Maximum Current: 15 Amp

### Mechanical

Operating Temperature: 150°C

### Physical

Base Insulator: High-grade phenolic, black  
Plug Contact: Brass  
Plug Contact Plating: Tin  
Socket Contact: Phosphor bronze  
Socket Contact Plating: Tin  
Pre-grounding Contact: Heavy-duty plated brass

## Beau™ Power Connectors Panel Mount Plugs and Sockets

### 38540 Deep Bracket (DB)



### Reference Information

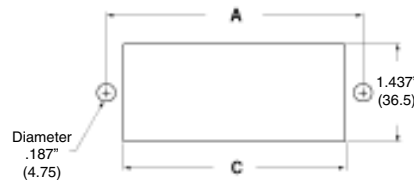
UL : File E34763  
CSA: File 22156

## SUGGESTED PANEL MOUNTING DIMENSIONS

## CONTACT TAILS

Fig. M

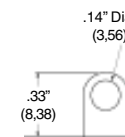
Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles



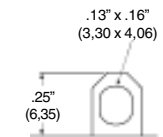
P Solder Hook  
(Standard)



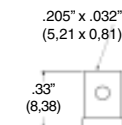
P<sub>3</sub> Solder Eye, large



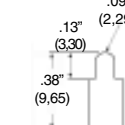
S<sub>3</sub> Solder Eye, large



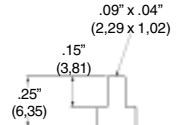
P<sub>1</sub> Quick Connect



P<sub>6</sub> Printed Circuit



S<sub>6</sub> Printed Circuit



P<sub>2</sub> Quick Connect



S<sub>1</sub> Solder Eye & Quick Connect  
(Standard)



S<sub>5</sub> Solder Eye, extra large & quick connect



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite.

○ Polarizing position

● Combination pre-grounding/polarizing position

● Polarizing position - Current carrying contacts



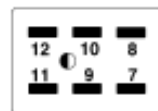
38540-XX04



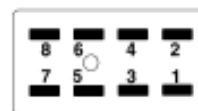
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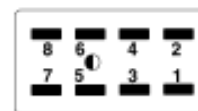
38540-XX06



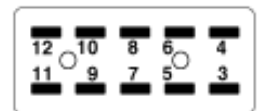
38540-XX07



38540-XX08



38540-XX09



38540-XX10



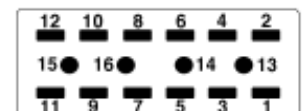
38540-XX011



38540-XX12



38540-XX08



38540-XX14, 38540-XX15, 38540-XX16

# ORDERING INFORMATION AND DIMENSIONS



## Beau™ Power Connectors Panel Mount Plugs and Sockets

**38540**

| Part#   | V    |      | W    |      |
|---------|------|------|------|------|
|         | in   | mm   | in   | mm   |
| 5404\05 | 2.19 | 55.6 | 1.38 | 34.9 |
| 5406\07 | 2.63 | 66.7 | 1.81 | 46.0 |
| 5408\09 | 3.06 | 77.8 | 2.25 | 57.2 |
| 5410\11 | 3.50 | 88.9 | 2.69 | 68.3 |
| 5412\13 | 3.94 | 100  | 3.13 | 79.4 |
| 5414    | 3.94 | 100  | 3.13 | 79.4 |
| 5415    | 3.94 | 100  | 3.13 | 79.4 |
| 5416    | 3.94 | 100  | 3.13 | 79.4 |

| Part#   | Fig.# | A     |      | C     |      |
|---------|-------|-------|------|-------|------|
|         |       | in    | mm   | in    | mm   |
| 5404/05 | M     | 1.750 | 44.5 | 1.437 | 36.5 |
| 5406/07 | M     | 2.187 | 55.5 | 1.875 | 47.6 |
| 5408/09 | M     | 2.625 | 66.7 | 2.312 | 58.7 |
| 5410/11 | M     | 3.062 | 77.8 | 2.750 | 69.9 |
| 5412/13 | M     | 3.500 | 88.9 | 3.187 | 80.9 |
| 5414    | M     | 3.500 | 88.9 | 3.187 | 80.9 |
| 5415    | M     | 3.500 | 88.9 | 3.187 | 80.9 |
| 5416    | M     | 3.500 | 88.9 | 3.187 | 80.9 |

| PLUGS             |               | SOCKETS           |               |
|-------------------|---------------|-------------------|---------------|
| Deep Bracket (DB) |               | Deep Bracket (DB) |               |
| Order #           | Engineering # | Order #           | Engineering # |
| 38540-3704        | P-5404-DB     | 38540-4204        | S-5404-DB     |
| 38540-3705        | P-5405-DB     | 38540-4205        | S-5405-DB     |
| 38540-3706        | P-5406-DB     | 38540-4206        | S-5406-DB     |
| 38540-3707        | P-5407-DB     | 38540-4207        | S-5407-DB     |
| 38540-3708        | P-5408-DB     | 38540-4208        | S-5408-DB     |
| 38540-3709        | P-5409-DB     | 38540-4209        | S-5409-DB     |
| 38540-3710        | P-5410-DB     | 38540-4210        | S-5410-DB     |
| 38540-3711        | P-5411-DB     | 38540-4211        | S-5411-DB     |
| 38540-3712        | P-5412-DB     | 38540-4212        | S-5412-DB     |
| 38540-3713        | P-5413-DB     | 38540-4213        | S-5413-DB     |
| 38540-3714        | P-5414-DB     | 38540-4214        | S-5414-DB     |
| 38520-3715        | P-5415-DB     | 38520-4215        | S-5415-DB     |
| 38540-3716        | P-5416-DB     | 38540-4216        | S-5416-DB     |

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 4 to 16 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.
- Strain relief cable clamps, used with round or flat cable

### Electrical

Voltage: 250V  
Maximum Current: 15 Amp

### Mechanical

Operating Temperature: 110°C

### Physical

Base Insulator: High-grade phenolic, black  
Plug Contact: Brass  
Plug Contact Plating: Tin  
Socket Contact: Phosphor bronze  
Socket Contact Plating: Tin/Lead  
Pre-grounding Contact: Heavy-duty plated brass



## Beau™ Power Connectors Cable Mount Plugs and Sockets

**38541**

### Cable Clamp End (CCE)



## CONTACT TAILS

Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles



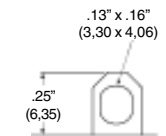
**P Solder Hook (Standard)**



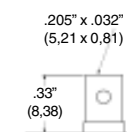
**P<sub>3</sub> Solder Eye, large**



**S<sub>3</sub> Solder Eye, large**



**P<sub>1</sub> Quick Connect**



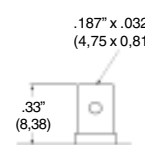
**P<sub>6</sub> Printed Circuit**



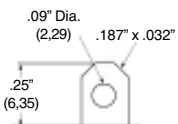
**S<sub>6</sub> Printed Circuit**



**P<sub>2</sub> Quick Connect**



**S<sub>1</sub> Solder Eye & Quick Connect (Standard)**



**S<sub>2</sub> Solder Eye, extra large & quick connect**



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite.

○ Polarizing position

● Combination pre-grounding/polarizing position

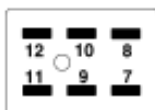
● Polarizing position - Current carrying contacts



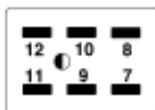
38540-XX04



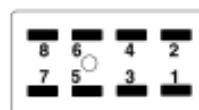
38540-XX05



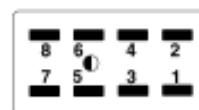
38540-XX06



38540-XX07



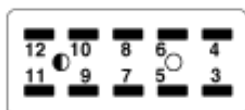
38540-XX08



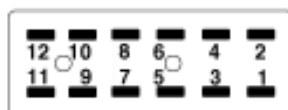
38540-XX09



38540-XX10



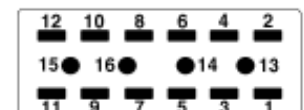
38540-XX011



38540-XX12



38540-XX08



38540-XX14, 38540-XX15, 38540-XX16

## ORDERING INFORMATION AND DIMENSIONS



## Beau™ Power Connectors Cable Mount Plugs and Sockets

**38541**

### DIMENSIONS

| Part#   | V   |      | W    |      |
|---------|-----|------|------|------|
|         | in  | mm   | in   | mm   |
| 5404\05 | .44 | 11.1 | 1.23 | 31.4 |
| 5406\07 | .44 | 11.1 | 1.67 | 42.5 |
| 5408\09 | .56 | 14.3 | 2.11 | 53.6 |
| 5410\11 | .56 | 14.3 | 2.55 | 64.7 |
| 5412\13 | .63 | 15.9 | 2.98 | 75.8 |
| 5414    | .63 | 15.9 | 2.98 | 75.8 |
| 5415    | .63 | 15.9 | 2.98 | 75.8 |
| 5416    | .63 | 15.9 | 2.98 | 75.8 |

| For Connector size                                           | Clamp opening dia., in. (mm) |             | Clamp Number |
|--------------------------------------------------------------|------------------------------|-------------|--------------|
|                                                              | min                          | max         |              |
| Standard Clamps Sizes                                        |                              |             |              |
| 38541-XX04 thru 38541-XX07                                   | .38" (9,7)                   | .72" (18,3) | -            |
| 38541-XX08 thru 38541-XX16                                   | .38" (9,7)                   | .84" (21,3) | -            |
| Clamp Options                                                |                              |             |              |
| 38541-XX04 thru 38541-XX16                                   | .45" (11,4)                  | .91" (23,1) | 78           |
| 38541-XX04 thru 38541-XX16 for Mating with Deep Bracket (DB) | .38" (9,7)                   | .72" (18,3) | 47           |

| PLUGS                 |               | SOCKETS               |               |
|-----------------------|---------------|-----------------------|---------------|
| Cable Clamp End (CCE) |               | Cable Clamp End (CCE) |               |
| Order #               | Engineering # | Order #               | Engineering # |
| 38541-0004            | P-5404-CCE    | 38541-3004            | S-5404-CCE    |
| 38541-0005            | P-5405-CCE    | 38541-3005            | S-5405-CCE    |
| 38541-0006            | P-5406-CCE    | 38541-3006            | S-5406-CCE    |
| 38541-0007            | P-5407-CCE    | 38541-3007            | S-5407-CCE    |
| 38541-0008            | P-5408-CCE    | 38541-3008            | S-5408-CCE    |
| 38541-0009            | P-5409-CCE    | 38541-3009            | S-5409-CCE    |
| 38541-0010            | P-5410-CCE    | 38541-3010            | S-5410-CCE    |
| 38541-0011            | P-5411-CCE    | 38541-3011            | S-5411-CCE    |
| 38541-0012            | P-5412-CCE    | 38541-3012            | S-5412-CCE    |
| 38541-0013            | P-5413-CCE    | 38541-3013            | S-5413-CCE    |
| 38541-0014            | P-5414-CCE    | 38541-3014            | S-5414-CCE    |
| 38521-0015            | P-5415-CCE    | 38521-3015            | S-5415-CCE    |
| 38541-0016            | P-5416-CCE    | 38541-3016            | S-5416-CCE    |

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 4 to 16 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Electrical

Voltage: 250V  
Maximum Current: 15 Amp

### Mechanical

Operating Temperature: 110°C

### Physical

Base Insulator: High-grade phenolic, black  
Plug Contact: Brass  
Plug Contact Plating: Tin  
Socket Contact: Phosphor bronze  
Socket Contact Plating: Tin  
Pre-grounding Contact: Heavy-duty plated brass



## Beau™ Power Connectors Cable Mount Plugs and Sockets

**38541**

**Cable Clamp Top (CCT)**  
**Cable Clamp Top w/Keeper (CCT-K)**  
**Cable Clamp Top w/ Latch (CCT-L)**

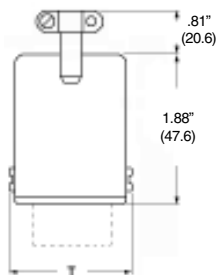


## OPTIONS

## CONTACT TAILS

For connecting two cable-mounted connectors, plug and socket can be equipped with either a latch (-L) or keeper (-K)>

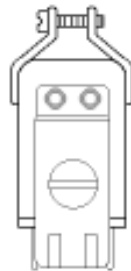
Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles



### Keeper (-K)



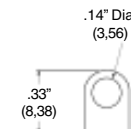
### Latch (-L)



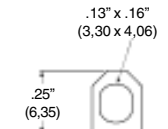
### P Solder Hook (Standard)



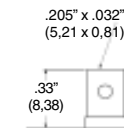
### P<sub>3</sub> Solder Eye, large



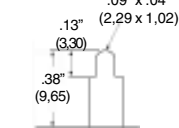
### S<sub>3</sub> Solder Eye, large



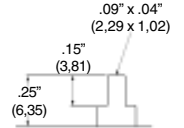
### P<sub>1</sub> Quick Connect



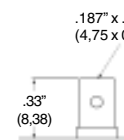
### P<sub>6</sub> Printed Circuit



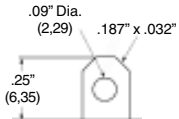
### S<sub>6</sub> Printed Circuit



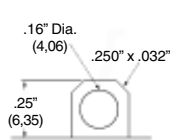
### P<sub>2</sub> Quick Connect



### S<sub>2</sub> Solder Eye & Quick Connect (Standard)



### S<sub>6</sub> Solder Eye, extra large & quick connect



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite.

○ Polarizing position

◐ Combination pre-grounding/polarizing position

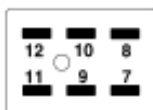
● Polarizing position - Current carrying contacts



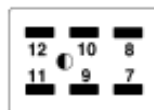
38540-XX04



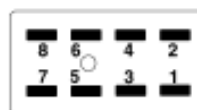
38540-XX05



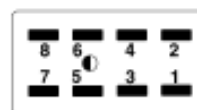
38540-XX06



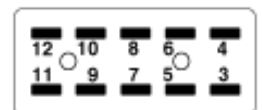
38540-XX07



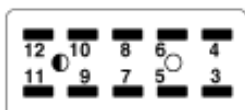
38540-XX08



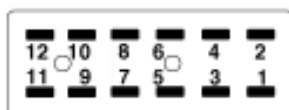
38540-XX09



38540-XX10



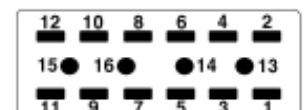
38540-XX011



38540-XX12



38540-XX08



38540-XX14, 38540-XX15, 38540-XX16

# ORDERING INFORMATION AND DIMENSIONS



## Beau™ Power Connectors Cable Mount Plugs and Sockets

**38541**

| Part#   | V   |      | W    |      |
|---------|-----|------|------|------|
|         | in  | mm   | in   | mm   |
| 5404\05 | .44 | 11.1 | 1.23 | 31.4 |
| 5406\07 | .44 | 11.1 | 1.67 | 42.5 |
| 5408\09 | .56 | 14.3 | 2.11 | 53.6 |
| 5410\11 | .56 | 14.3 | 2.55 | 64.7 |
| 5412\13 | .63 | 15.9 | 2.98 | 75.8 |
| 5414    | .63 | 15.9 | 2.98 | 75.8 |
| 5415    | .63 | 15.9 | 2.98 | 75.8 |
| 5416    | .63 | 15.9 | 2.98 | 75.8 |

| For Connector size                                    | Clamp opening dia., in. (mm) |             | Clamp Number |
|-------------------------------------------------------|------------------------------|-------------|--------------|
|                                                       | min                          | max         |              |
| Standard Clamps Sizes                                 |                              |             |              |
| 38541-XX04 thru 38541-XX07                            | .38" (9,7)                   | .72" (18,3) | -            |
| 38541-XX08 thru 38541-XX16                            | .38" (9,7)                   | .84" (21,3) | -            |
| Clamp Option                                          |                              |             |              |
| 38541-XX04 thru 38541-XX16                            | .45" (11,4)                  | .91" (23,1) | 78           |
| For non-standard backshell hole size, consult factory |                              |             |              |

### PLUGS

| Cable Clamp Top (-CCT) |               | Cable Clamp Top w/Keeper (-CCT-K) |               | Cable Clamp Top w/Latch (-CCT-L) |               |
|------------------------|---------------|-----------------------------------|---------------|----------------------------------|---------------|
| Order #                | Engineering # | Order #                           | Engineering # | Order #                          | Engineering # |
| 38541-5404             | P-5404-CCT    | 38541-5804                        | P-5404-CCT-K  | 38541-5604                       | P-5404-CCT-L  |
| 38541-5405             | P-5405-CCT    | 38541-5805                        | P-5405-CCT-K  | 38541-5605                       | P-5405-CCT-L  |
| 38541-5406             | P-5406-CCT    | 38541-5806                        | P-5406-CCT-K  | 38541-5606                       | P-5406-CCT-L  |
| 38541-5407             | P-5407-CCT    | 38541-5807                        | P-5407-CCT-K  | 38541-5607                       | P-5407-CCT-L  |
| 38541-5408             | P-5408-CCT    | 38541-5808                        | P-5408-CCT-K  | 38541-5608                       | P-5408-CCT-L  |
| 38541-5409             | P-5409-CCT    | 38541-5809                        | P-5409-CCT-K  | 38541-5609                       | P-5409-CCT-L  |
| 38541-5410             | P-5410-CCT    | 38541-5810                        | P-5410-CCT-K  | 38541-5610                       | P-5410-CCT-L  |
| 38541-5411             | P-5411-CCT    | 38541-5811                        | P-5411-CCT-K  | 38541-5611                       | P-5411-CCT-L  |
| 38541-5412             | P-5412-CCT    | 38541-5812                        | P-5412-CCT-K  | 38541-5612                       | P-5412-CCT-L  |
| 38541-5413             | P-5413-CCT    | 38541-5813                        | P-5413-CCT-K  | 38541-5613                       | P-5413-CCT-L  |
| 38541-5414             | P-5414-CCT    | 38541-5814                        | P-5414-CCT-K  | 38541-5614                       | P-5414-CCT-L  |
| 38521-5415             | P-5415-CCT    | 38541-5815                        | P-5415-CCT-K  | 38541-5615                       | P-5415-CCT-L  |
| 38541-5416             | P-5416-CCT    | 38541-5816                        | P-5416-CCT-K  | 38541-5616                       | P-5416-CCT-L  |

### SOCKETS

| Cable Clamp Top (-CCT) |               | Cable Clamp Top w/Keeper (-CCT-K) |               | Cable Clamp Top w/Latch (-CCT-L) |               |
|------------------------|---------------|-----------------------------------|---------------|----------------------------------|---------------|
| Order #                | Engineering # | Order #                           | Engineering # | Order #                          | Engineering # |
| 38541-8404             | S-5404-CCT    | 38541-8804                        | S-5404-CCT-K  | 38541-8604                       | S-5404-CCT-L  |
| 38541-8405             | S-5405-CCT    | 38541-8805                        | S-5405-CCT-K  | 38541-8605                       | S-5405-CCT-L  |
| 38541-8406             | S-5406-CCT    | 38541-8806                        | S-5406-CCT-K  | 38541-8606                       | S-5406-CCT-L  |
| 38541-8407             | S-5407-CCT    | 38541-8807                        | S-5407-CCT-K  | 38541-8607                       | S-5407-CCT-L  |
| 38541-8408             | S-5408-CCT    | 38541-8808                        | S-5408-CCT-K  | 38541-8608                       | S-5408-CCT-L  |
| 38541-8409             | S-5409-CCT    | 38541-8809                        | S-5409-CCT-K  | 38541-8609                       | S-5409-CCT-L  |
| 38541-8410             | S-5410-CCT    | 38541-8810                        | S-5410-CCT-K  | 38541-8610                       | S-5410-CCT-L  |
| 38541-8411             | S-5411-CCT    | 38541-8811                        | S-5411-CCT-K  | 38541-8611                       | S-5411-CCT-L  |
| 38541-8412             | S-5412-CCT    | 38541-8812                        | S-5412-CCT-K  | 38541-8612                       | S-5412-CCT-L  |
| 38541-8413             | S-5413-CCT    | 38541-8813                        | S-5413-CCT-K  | 38541-8613                       | S-5413-CCT-L  |
| 38541-8414             | S-5414-CCT    | 38541-8814                        | S-5414-CCT-K  | 38541-8614                       | S-5414-CCT-L  |
| 38521-8415             | S-5415-CCT    | 38541-8815                        | S-5415-CCT-K  | 38541-8615                       | S-5415-CCT-L  |
| 38541-8416             | S-5416-CCT    | 38541-8816                        | S-5416-CCT-K  | 38541-8616                       | S-5416-CCT-L  |

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 4 to 16 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Electrical

Voltage: 250V  
Maximum Current: 15 Amp

### Mechanical

Operating Temperature: 110°C

### Physical

Base Insulator: High-grade phenolic, black  
Plug Contact: Brass  
Plug Contact Plating: Tin  
Socket Contact: Phosphor bronze  
Socket Contact Plating: Tin  
Pre-grounding Contact: Heavy-duty plated brass



## Beau™ Power Connectors Cable Mount Plugs and Sockets

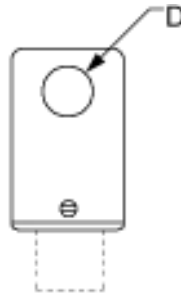
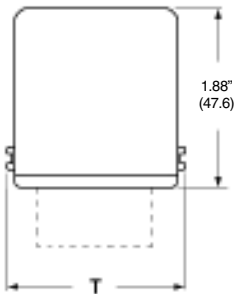
**38540**

### Flared Hole End (FHE)



## CONTACT TAILS

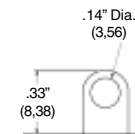
Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles



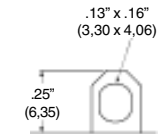
**P Solder Hook (Standard)**



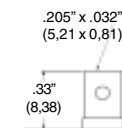
**P<sub>3</sub> Solder Eye, large**



**S<sub>3</sub> Solder Eye, large**



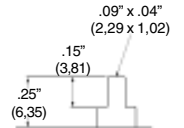
**P<sub>1</sub> Quick Connect**



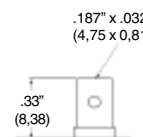
**P<sub>6</sub> Printed Circuit**



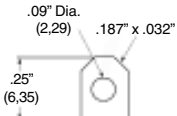
**S<sub>6</sub> Printed Circuit**



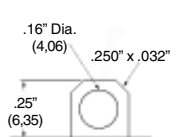
**P<sub>2</sub> Quick Connect**



**S<sub>1</sub> Solder Eye & Quick Connect (Standard)**



**S<sub>5</sub> Solder Eye, extra large & quick connect**



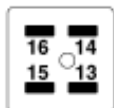
### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite.

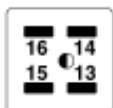
○ Polarizing position

◐ Combination pre-grounding/polarizing position

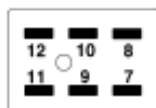
● Polarizing position - Current carrying contacts



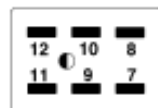
38540-XX04



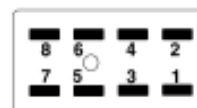
38540-XX05



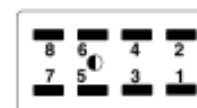
38540-XX06



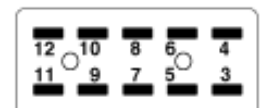
38540-XX07



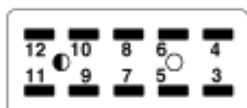
38540-XX08



38540-XX09



38540-XX10



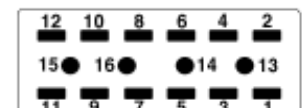
38540-XX011



38540-XX12



38540-XX08



38540-XX14, 38540-XX15, 38540-XX16

# ORDERING INFORMATION AND DIMENSIONS



Beau™ Power Connectors  
Cable Mount Plugs and Sockets

38540

| Part#   | D   |      | T    |      |
|---------|-----|------|------|------|
|         | in  | mm   | in   | mm   |
| 5404/05 | .44 | 11.1 | 1.23 | 31.4 |
| 5406/07 | .44 | 11.1 | 1.67 | 42.5 |
| 5408/09 | .56 | 14.3 | 2.11 | 53.6 |
| 5410/11 | .56 | 14.3 | 2.55 | 64.7 |
| 5412    | .63 | 15.9 | 2.98 | 75.8 |

| PLUGS                 |               | SOCKETS               |               |
|-----------------------|---------------|-----------------------|---------------|
| Flared Hole End (FHE) |               | Flared End Hole (FHE) |               |
| Order #               | Engineering # | Order #               | Engineering # |
| 38540-6404            | P-5404-FHE    | 38540-7404            | S-5404-FHE    |
| 38540-6405            | P-5405-FHE    | 38540-7405            | S-5405-FHE    |
| 38540-6406            | P-5406-FHE    | 38540-7406            | S-5406-FHE    |
| 38540-6407            | P-5407-FHE    | 38540-7407            | S-5407-FHE    |
| 38540-6408            | P-5408-FHE    | 38540-7408            | S-5408-FHE    |
| 38540-6409            | P-5409-FHE    | 38540-7409            | S-5409-FHE    |
| 38540-6410            | P-5410-FHE    | 38540-7410            | S-5410-FHE    |
| 38540-6411            | P-5411-FHE    | 38540-7411            | S-5411-FHE    |
| 38540-6412            | P-5412-FHE    | 38540-7412            | S-5412-FHE    |
| 38540-6413            | P-5413-FHE    | 38540-7413            | S-5413-FHE    |
| 38540-6414            | P-5414-FHE    | 38540-7414            | S-5414-FHE    |
| 38540-6415            | P-5415-FHE    | 38540-7415            | S-5415-FHE    |
| 38540-6416            | P-5416-FHE    | 38540-7416            | S-5416-FHE    |

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 4 to 16 circuits
- Robust blade contacts resist damage from improper mating
- Large surface area of dual wipe female contact produces maximum current capacity
- No de-rating required. All circuits rated for full current load
- Extra long pre-grounding contact engages before any other contacts for greater safety.

### Electrical

Voltage: 250V  
Maximum Current: 15 Amp

### Mechanical

Operating Temperature: 110°C

### Physical

Base Insulator: High-grade phenolic, black  
Plug Contact: Brass  
Plug Contact Plating: Tin  
Socket Contact: Phosphor bronze  
Socket Contact Plating: Tin/Lead  
Pre-grounding Contact: Heavy-duty plated brass



## Beau™ Power Connectors Cable Mount Plugs and Sockets

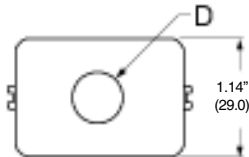
**38540**

### Flared Hole Top (FHT)



### CONTACT TAILS

Molex offers a wide selection of contact tails. Consult factory for availability and part numbers of other styles



**P Solder Hook (Standard)**



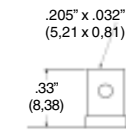
**P<sub>3</sub> Solder Eye, large**



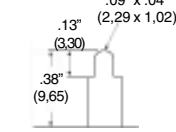
**S<sub>3</sub> Solder Eye, large**



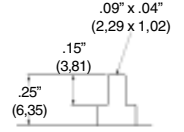
**P<sub>1</sub> Quick Connect**



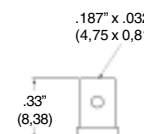
**P<sub>6</sub> Printed Circuit**



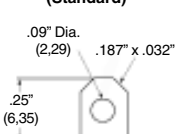
**S<sub>6</sub> Printed Circuit**



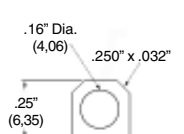
**P<sub>2</sub> Quick Connect**



**S<sub>2</sub> Solder Eye & Quick Connect (Standard)**



**S<sub>5</sub> Solder Eye, extra large & quick connect**



### Contact Orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is the opposite.

○ Polarizing position

◐ Combination pre-grounding/polarizing position

● Polarizing position - Current carrying contacts



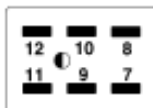
38540-XX04



38540-XX05



38540-XX06



38540-XX07



38540-XX08



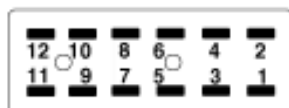
38540-XX09



38540-XX10



38540-XX011



38540-XX12



38540-XX08



38540-XX14, 38540-XX15, 38540-XX16

# ORDERING INFORMATION AND DIMENSIONS



Beau™ Power Connectors  
Cable Mount Plugs and Sockets

38540

| Part#   | D   |      | T    |      |
|---------|-----|------|------|------|
|         | in  | mm   | in   | mm   |
| 5404/05 | .44 | 11.1 | 1.23 | 31.4 |
| 5406/07 | .44 | 11.1 | 1.67 | 42.5 |
| 5408/09 | .56 | 14.3 | 2.11 | 53.6 |
| 5410/11 | .56 | 14.3 | 2.55 | 64.7 |
| 5412    | .63 | 15.9 | 2.98 | 75.8 |

| PLUGS                 |               | SOCKETS               |               |
|-----------------------|---------------|-----------------------|---------------|
| Flared Hole Top (FHT) |               | Flared Hole Top (FHT) |               |
| Order #               | Engineering # | Order #               | Engineering # |
| 38540-8204            | P-5404-FHT    | 38540-9204            | S-5404-FHT    |
| 38540-8205            | P-5405-FHT    | 38540-9205            | S-5405-FHT    |
| 38540-8206            | P-5406-FHT    | 38540-9206            | S-5406-FHT    |
| 38540-8207            | P-5407-FHT    | 38540-9207            | S-5407-FHT    |
| 38540-8208            | P-5408-FHT    | 38540-9208            | S-5408-FHT    |
| 38540-8209            | P-5409-FHT    | 38540-9209            | S-5409-FHT    |
| 38540-8210            | P-5410-FHT    | 38540-9210            | S-5410-FHT    |
| 38540-8211            | P-5411-FHT    | 38540-9211            | S-5411-FHT    |
| 38540-8212            | P-5412-FHT    | 38540-9212            | S-5412-FHT    |
| 38540-8213            | P-5413-FHT    | 38540-9213            | S-5413-FHT    |
| 38540-8214            | P-5414-FHT    | 38540-9214            | S-5414-FHT    |
| 38540-8215            | P-5415-FHT    | 38540-9215            | S-5415-FHT    |
| 38540-8216            | P-5416-FHT    | 38540-9216            | S-5416-FHT    |