

The PP4x is a unique connector specifically created to be used in conjunction with 15/45 Powerpole connectors. Designed for applications where it's necessary to bring power and signal together. The PP4x will meet the need for a high density connector to carry signal or auxiliary power for mixed power and signal applications. These connectors are the perfect choice when you need compact connectors that carry up to 5 amps of current.

The PP4x connector offers 4 crimp contacts per housing, utilizing a pin and socket style connection for wire-to-wire applications. The 2x2 arrangement can be dovetailed to other PP4x housings to create blocks of signal contacts or spaced between powerpole housings.

### Features

- Durable UL94 V-0 housing

- Molded in dovetails

*Dovetail housing design allows for joining to any of our Powerpole 15/45 connectors*

- Low mating force connector

*Designed for use only in conjunction with Powerpoles and Powerpole Paks*

- High density connector

*4 signal contacts per housing*

- UL, CSA, TUV pending

*5A, 300VAC/DC*



## SPECIFICATIONS

| Electrical                              | Mechanical                               | Materials             |
|---|--|-----------------------|
| Current Ratings (Amperes)               | Contact No Load Mating (Cycles)          | Housing               |
| • CSA / UL1977                          | • Tin Plated                             | PBT                   |
| 5                                       | 30                                       | Contacts              |
| Voltage Rating (AC/DC)                  | • Gold Plated                            | Copper Alloy          |
| 300                                     | 300                                      |                       |
| Contact Barrel Wire Size (AWG)          | Mating / Unmating (fully loaded housing) | Contact Plating       |
| #20 to #24                              | • Mating Force (lbf)                     | • Tin (micro-inches)  |
| (mm <sup>2</sup> )                      | 4.4                                      | 40                    |
| 0.50 to 0.25                            | (N)                                      | (microns)             |
| Initial Contact Resistance (milli-ohms) | • Unmating Force (lbf)                   | • Gold (micro-inches) |
| • Tin Plated contacts                   | 1.2                                      | 30                    |
| • Gold Plated contacts                  | (N)                                      | (microns)             |
| 3.7                                     | 5.3                                      | 0.76                  |
| 3.3                                     | Contact Retention (lbf)                  |                       |
| Dielectric Withstanding Voltage (AC)    | 5.4                                      |                       |
| 1600                                    | (N)                                      |                       |
| Operating Temperature (°C)              | 24.0                                     |                       |
| -20° to 105°                            |  |                       |
| (°F)                                    |  |                       |
| -4° to 221°                             |  |                       |



## ORDERING INFORMATION

### Housing & Contacts\*

| Part Number | Description   |
|-------------|---|
| 4330G6      | Kit of 100 black housings, 210 male, 210 female, tin plated contacts      |
| 4350G6      | Kit of 100 black housings, 210 male, 210 female, 30u gold plated contacts |

### Housing Only

| Part Number | Description   |
|-------------|---------------|
| 4327G6-BK   | Black Housing |

\* Loose piece contacts sold only with housings

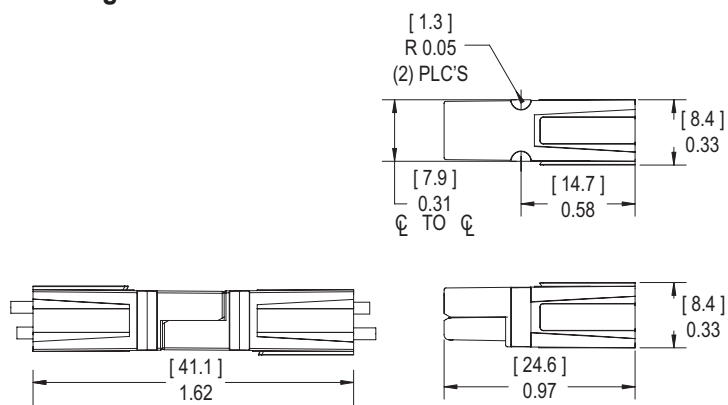
### Contacts - Reel

#20 to #24 AWG (0.50 to 0.25 mm<sup>2</sup>)  
(12K per reel)

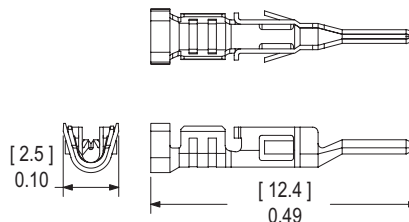
| Part Number | Description                                 |
|-------------|---|
| 4202G1      | Female Socket, Tin Plated reel contact      |
| 4203G1      | Male Pin, Tin Plated reel contact           |
| 4202G3      | Female Socket, 30u Gold Plated reel contact |
| 4203G3      | Male Pin, 30u Gold Plated reel contact      |

## DIMENSIONS

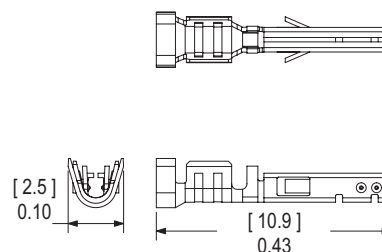
### Housing



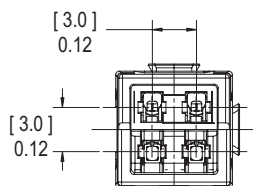
### Pin Contact



### Socket Contact



### Contact Spacing - Rear View



## TOOLING

| Contact | Wire Size   | Contact Insertion / Extraction Tool | Hand Tool | Applicator | Press      | Adapter Kit |
|---------|---|-------------------------------------|-----------|------------|------------|-------------|
| 4202G1  | #20 to #24 AWG<br>(0.50 to 0.25 mm <sup>2</sup> ) | N/A                                 | 1313G1    | 680673 - 3 | 354500 - 1 | N/A         |
| 4202G3  |   |                                     |           |            |            |             |
| 4203G1  |   |                                     |           |            |            |             |
| 4203G3  |   |                                     |           |            |            |             |