

# DC COAXIAL PLUGS & JACKS

## COAXIAL PLUG POWER CORDS

Six foot cords molded DC coaxial plug on one end, stripped and tinned on other.



| Part No. | EIAJ Class | I.D.             | O.D.   | Molded Plug | Wire Size (AWG) |
|----------|------------|------------------|--------|-------------|-----------------|
| TC204    | -          | 1.3mm            | 3.5mm  | Right Angle | 24              |
| TC210    | -          | 2.1mm            | 5.5mm  | Right Angle | 24              |
| TC218    | -          | 2.1mm            | 5.5mm  | Straight    | 18              |
| TC250    | -          | 2.5mm            | 5.5mm  | Right Angle | 24              |
| TC258    | -          | 2.5mm            | 5.5mm  | Straight    | 18              |
| 48-412   | -          | 1mm center pin   | 7.0mm  | Straight    | 24              |
| 48-410   | I          | .7mm             | 2.35mm | Straight    | 24              |
| TC240    | II         | 1.7mm            | 4.0mm  | Right Angle | 24              |
| TC275    | III        | 1.7mm            | 4.75mm | Right Angle | 24              |
| 48-420   | IV         | 1mm center pin   | 5.5mm  | Straight    | 24              |
| TC265    | V          | 1.4mm center pin | 6.5mm  | Right Angle | 18              |

## IN-LINE DC POWER JACKS

Solder lug terminals and flexible plastic strain relief.  
Color: Black



| Part No. | EIAJ Class | Voltage        | Center Pin (I.D. Mating Plug) | I.D.   | Mating Plug |
|----------|------------|----------------|-------------------------------|--------|-------------|
| 256      | -          | -              | 1.3mm                         | 3.5mm  | No. 204     |
| 257      | -          | -              | 2.1mm                         | 5.5mm  | No. 210     |
| 258      | -          | -              | 2.5mm                         | 5.5mm  | No. 250     |
| 261      | I          | DC 3.15V-below | .7mm                          | 2.35mm | No. 235     |
| 262      | II         | DC 3.16V-6.3V  | 1.7mm                         | 4.0mm  | No. 240     |
| 263      | III        | DC 6.4V-10.5V  | 1.7mm                         | 4.75mm | No. 275     |

## Panel Mount DC Power Jacks (Metal Housing)



No. 2112 & No. 2512

| Part No. | EIAJ Class | Voltage | Center Pin (I.D. Mating Plug) | I.D.  | Mating Plug | Mounting Hole |
|----------|------------|---------|-------------------------------|-------|-------------|---------------|
| 311      | -          | -       | 1.1mm                         | 3.5mm | No. 202     | 0.313"        |
| 313      | -          | -       | 1.3mm                         | 3.5mm | No. 204     | 0.313"        |
| 321      | -          | -       | 2.1mm                         | 5.5mm | No. 210     | 0.437"        |
| 2112     | -          | -       | 2.1mm                         | 5.5mm | No. 2160    | .0313"        |
| 325      | -          | -       | 2.5mm                         | 5.5mm | No. 250     | 0.437"        |
| 2512     | -          | -       | 2.5mm                         | 5.5mm | No. 2560    | 0.313"        |
| 306      | -          | -       | 2.85mm                        | 5.6mm | No. 206     | 0.437"        |
| 308      | -          | -       | 2.85mm                        | 6.3mm | No. 208     | 0.437"        |

## PANEL MOUNT DC POWER JACKS (Plastic Housing)

Select needed item based upon the inside diameter of your mating coaxial plug. Plastic body, silvered solder lugs.

| Part No. | EIAJ Class | Voltage        | Center Pin (I.D. Mating Plug) | O.D.   | Mating Plug | Mounting Hole       |
|----------|------------|----------------|-------------------------------|--------|-------------|---------------------|
| 247      | -          | -              | 2.1mm                         | 5.5mm  | No. 210     | 0.50" (Front Mount) |
| 2477     | -          | -              | 2.1mm                         | 5.5mm  | No. 210     | .437 Snap-In Type   |
| 248      | -          | -              | 2.5mm                         | 5.5mm  | No. 250     | 0.50" (Front Mount) |
| 2487     | -          | -              | 2.5mm                         | 5.5mm  | No. 250     | .437 Snap-In Type   |
| 335      | I          | DC 3.15V-below | .7mm                          | 2.35mm | No. 235     | 0.325"              |
| 340      | II         | DC 3.16V-6.3V  | 1.7mm                         | 4.0mm  | No. 240     | 0.325"              |
| 375      | III        | DC 6.4V-10.5V  | 1.7mm                         | 4.75mm | No. 275     | 0.325"              |
| 355      | IV         | DC 10.6V-13.5V | 3.3mm (1mm center pin)        | 5.5mm  | No. 255     | 0.53"               |
| 365      | V          | DC 13.6V-18V   | 4.35mm (1.4mm center pin)     | 6.5mm  | No. 265     | 0.53"               |



Nos. 247 & 248



Nos. 335, 340 & 375



Nos. 2477 & 2487



Nos. 355 & 365

## DC POWER PLUGS

Complies with Electronic Industries Association of Japan (EIAJ) RC-5320 Standards. Solder Lug Terminals and flexible plastic strain relief. Available in both straight and right angle color black.



| DC Plug Part No. | Rated Voltage (DC) | Sizes I.D. x O.D.                    | EIAJ |
|------------------|--------------------|--------------------------------------|------|
| 235              | 3.15 & Below       | .7mm x 2.35mm                        | I    |
| 2359             | 3.15 & Below       | R/A .7mm x 2.35mm                    | I    |
| 240              | 3.16 - 6.3         | 1.7mm x 4.0mm                        | II   |
| 2409             | 3.16 - 6.3         | R/A 1.7mm x 4.0mm                    | II   |
| 275              | 6.4 - 10.5         | 1.7mm x 4.75mm                       | III  |
| 2759             | 6.4 - 10.5         | R/A 1.7mm x 4.75mm                   | III  |
| 255              | 10.6 - 13.5        | 3.3mm x 5.5mm<br>1mm x center pin    | IV   |
| 2559             | 10.6 - 13.5        | R/A 3.3mm x 5.5mm<br>1mm center pin  | IV   |
| 265              | 13.5 - 18          | 4.35mm x 6.5mm<br>1.4mm x center pin | V    |
| 285              | 24.0               | 3.1mm x 6.5mm<br>1.0mm center pin    |      |

## PCB Mount DC Jacks

PCB Mounting. Side entry jacks. Select needed item based upon the mating plugs inside diameter.

| Part No. | EIAJ Class | Voltage        | Center Pin (I.D. Mating Plug) | I.D.   | Mating Plug |
|----------|------------|----------------|-------------------------------|--------|-------------|
| 201      | -          | -              | 1.1mm                         | 3.5mm  | No. 202     |
| 211      | -          | -              | 1.3mm                         | 3.5mm  | No. 204     |
| 212      | -          | -              | 2.1mm                         | 5.5mm  | No. 210     |
| 215      | -          | -              | 2.5mm                         | 5.5mm  | No. 250     |
| 205      | I          | DC 3.15V-below | .7mm                          | 2.35mm | No. 235     |
| 207      | II         | DC 3.16V-6.3V  | 1.7mm                         | 4.0mm  | No. 240     |
| 220      | III        | DC 6.4V-10.5V  | 1.7mm                         | 4.75mm | No. 275     |
| 213      | IV         | DC 10.6V-13.5V | 3.3mm (1mm center pin)        | 5.5mm  | No. 255     |
| 214      | V          | DC 13.6V-18V   | 4.35mm (1.4mm center pin)     | 6.5mm  | No. 265     |

Note: Full Specifications and foot prints available upon request.



Nos. 211, 212 & 215



No. 214



No. 213



No. 220



No. 201



No. 205



No. 207

## COAXIAL POWER PLUGS



(5.5mm O.D.)

| Part No. | I.D.  | O.D.  | Mating Jack         | Overall Length |
|----------|-------|-------|---------------------|----------------|
| 202      | 1.1mm | 3.5mm | 201 or 311          | 1"             |
| 204      | 1.3mm | 3.5mm | 211 or 313          | 1"             |
| 2049     | 1.3mm | 3.5mm | 211 or 313          | R/A            |
| 210      | 2.1mm | 5.5mm | 212, 321, 2112, 247 | 1"             |
| 2109     | 2.1mm | 5.5mm | 212, 321, 2112, 247 | R/A            |
| 210L     | 2.1mm | 5.5mm | 212, 321, 2112, 247 | 1-7/16"        |
| 250      | 2.5mm | 5.5mm | 215, 325, 2512, 248 | 1"             |
| 2509     | 2.5mm | 5.5mm | 215, 325, 2512, 248 | R/A            |
| 250L     | 2.5mm | 5.5mm | 215, 325, 2512, 248 | 1-7/16"        |

## COAXIAL POWER PLUG ADAPTOR

All adaptors in this series have a 3.5mm, 2 conductor jack. Permits you to use an AC adaptor (i.e. power supply) with other types of electronic equipment



No. 216 - 1.3mm I.D. X 3.5 mm O.D. DC PLUG  
No. 217 - 2.1mm I.D. X 5.5 mm O.D. DC PLUG  
No. 218 - 2.5mm I.D. X 5.5 mm O.D. DC PLUG

## 3mm COAXIAL POWER PLUG

No. 206

No. 206B - bulk packaged  
This size coaxial power plug fits the late model Panasonic and JVC devices. 3.0mm I.D. x 5.5mm O.D.



## 3mm COAX POWER PLUG For Video Camera Battery Packs

No. 208 - Black

No. 208B - bulk packaged  
A coax power plug for video battery packs for Panasonic, RCA etc. 3.0mm I.D. x 6.3mm O.D. solder terminals and flexible strain relief.



## COAXIAL POWER PLUG

for Cellular Phone Battery Charger  
Solder Lug terminals and flexible plastic strain relief.



No. 1135 - 1.1mm I.D. x 3.5mm O.D.

No. 1438 - 1.4mm I.D. x 3.8mm O.D.

## COAXIAL POWER JACKS

Behind panel mounting. Two hole mount on 11/16" centers; screws supplied.

| Part No. | CENTER PIN |
|----------|------------|
| 209      | 2.1mm      |
| 249      | 2.5mm      |



## DC POWER PLUG/JACK ADAPTOR With 6 ft. Cord

Permits use of a DC power supply with a wide variety of equipment that does not have a compatible connector. Select an adaptor (below) with a jack that will mate with your power supply and, on the other end, a plug that will mate with your equipment.

No. 278 0.7mm x 2.35mm DC Plug-No. 257 Jack  
No. 280 0.7mm x 2.35mm DC Plug-No. 258 Jack  
No. 282 0.7mm x 2.35mm DC Plug-No. 501VS Jack  
No. 284 1.7mm x 4.0mm DC Plug-No. 257 Jack  
No. 286 1.7mm x 4.0mm DC Plug-No. 258 Jack  
No. 288 1.7mm x 4.0mm DC Plug-No. 501 VS Jack  
No. 290 1.7mm x 4.75mm DC Plug-No. 257 Jack  
No. 292 1.7mm x 4.75mm DC Plug-No. 258 Jack  
No. 294 1.7mm x 4.75mm DC Plug-No. 501 VS Jack

## Locking DC Power Plugs

The locking collar threads onto the mating jack (Philmore #2112, & #2512) to hold the connection securely. The Plug has solder terminals with a black plastic handle.



| Part No. | Diameter (I.D.) | O.D.    | Overall Length |
|----------|-----------------|---------|----------------|
| 2160     | .083" (2.1mm)   | (5.5mm) | 1.65"          |
| 2560     | .098" (2.5mm)   | (5.5mm) | 1.65"          |

## INTERCHANGEABLE DC PLUGS

Right Angle DC Plugs can be used with Philmore AC/DC Power Supply such as: Nos. BE2000, BE226, BE227, BE240, 48-140 and DC/DC Power Supply Nos. BE19, 48-150 and 48-160. Make your own DC power cords, extensions or adaptors with extension cords Nos. 48-1021, 48-1025, 48-1028 and 48-1035.

|                                 |                                |                                    |                                 |                                |                                 |
|---------------------------------|--------------------------------|------------------------------------|---------------------------------|--------------------------------|---------------------------------|
| 2.5mm Male<br><br>No. 48-2500   | 3.5mm Male<br><br>No. 48-3500  | 9V Battery Snap<br><br>No. 48-9000 | 2.1 x 5.0mm<br><br>No. 48-2150  | 2.1 x 5.5mm<br><br>No. 48-2155 | 2.5 x 5.5mm<br><br>No. 48-2555  |
| 1.5 x 5.5 mm<br><br>No. 48-1555 | 1.7 x 4.0mm<br><br>No. 48-4740 | 1.75 x 4.75mm<br><br>No. 48-1475   | 1.35 x 3.5mm<br><br>No. 48-3535 | 1.0 x 3.0mm<br><br>No. 48-1030 | 0.75 x 2.35mm<br><br>No. 48-475 |
| 2.5 x 5.0mm<br><br>No. 48-2550  | 1.5 x 5.0mm<br><br>No. 48-1550 | 2.8 x 5.5mm<br><br>No. 48-5528     | 3.0 x 6.3mm<br><br>No. 48-6330  | 1.0 x 7.0mm<br><br>No. 48-480  |                                 |

## EXTENSION CORDS

6 ft. - 20 AWG Cable, Black

2 Pin Socket to 2.1mm DC Jack



No. 48-1021

2 Pin Plug to 2 Pin Socket



No. 48-1020

2 Pin Socket to 2.5mm DC Jack



No. 48-1025

2 Pin Socket to Stripped and Tinned End



No. 48-1035