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Jameco Part Number 281834

# JACKS & PLUGS

60

## Jack Series

### Thick Panel/Guitar, Locking 1/4", Tini, Tini-Extension, Micro, 3.5mm Jacks Series

The TP or Thick Panel jacks are typically used in applications such as loud-speaker enclosures and solid-body guitars. Only premium materials are used in the manufacture of these jacks. Locking 1/4" jacks allow the end user to lock the mating plug, providing positive detent to the connection. Also offered is a wide range of 1/8" jacks and true 3.5mm jacks.

#### Specifications - Thick Panel Series & Locking Jacks

##### Electrical

Insulation Resistance:  $2 \times 10^6$  M $\Omega$   
at 500 VDC per Mil-Std-202,  
method 302 (initial)  
Dielectric Withstanding Voltage:  
1,000 VAC (ms)  
Life: 10,000 cycles minimum

##### Environmental

Thermal Range: -55°C to +85°C  
(non operating); -20°C to +65°C  
(operating)  
Thermal Shock: Per Mil-Std-202,  
method 107  
Humidity: Per Mil-Std-202, method 106  
Salt Spray: Per Mil-Std-202, method 101

##### Material

Shell - Locking Jacks: Die-cast zinc,  
with satin nickel-plating; Black  
chrome over nickel-plating on  
special order  
Insert and Latch: Thermoplastic,  
UL94V-O  
Latch Release: Nickel-plated die-cast  
zinc  
Contact Springs: Tin-plated copper  
alloy  
Mounting Bushing - Thick Panel  
Jacks: Nickel-plated copper alloy  
with knurled flange  
Insulating Spacer: Rigid plastic  
Insulator/Spring Mount: Thermo-  
plastic  
Springs: Copper alloy  
Terminals: Tip: Copper alloy; Ring:  
(Number 152B only) Copper alloy;  
Sleeve: Steel, tin-plated  
Hardware - Thick Panel Jacks: Sup-  
plied with one, Number P10531  
nickel-plated copper alloy hex nut;  
and one, Number P1476 nickel-  
plated copper alloy flat washer



# SWITTEL

### Specifications - 35RAPC Series

#### Electrical

Contact Resistance: 20 milliohms maximum  
 Insulation Resistance: 100 milliohms minimum at 250 VDC  
 Dielectric Withstanding Voltage: 250 VAC  
 Life: 5,000 cycles, minimum  
 Insertion Force: 0.88 pounds - 3.5 pounds  
 Withdrawal Force: 0.88 pounds - 2.64 pounds

#### Materials

Coil Spring: Steel Wire  
 Bushing: Nickel-plated copper alloy  
 Terminal: Silver-plated copper alloy  
 Tip Spring: Silver-plated copper alloy  
 Shunt Terminal: Plated copper alloy  
 Cover: Thermoplastic, transparent UL 94V-2  
 Body: Thermoplastic, UL 94V-1 black color

### Specifications - 35PM Series & Tini Jack Series

#### Electrical

Contact Resistance: .075 ohms maximum  
 Insulation Resistance: 5,000 MΩ minimum  
 Dielectric Withstanding Voltage: 250 VAC maximum  
 Life: 5,000 insertion/withdrawal cycles, minimum  
 Contact Rating: .25A, 48 VDC

#### Material

Mounting Bushing: Nickel-plated copper alloy  
 Insulating Spacers: Rigid plastic  
 Springs: Copper alloy  
 Sleeve Terminal: Tin-plated copper alloy  
 Hardware: Supplied with one, Number P11501 nickel-plated brass locknut; and one, Number S17901 nickel-plated steel flat washer

### Ordering Information

| Part No.                               | Conductors | Description                                   | Typical Mating Plug | Notes   |
|--|------------|---|---------------------|---|
| <b>Thick Panel/Guitar Jacks (1/4")</b> |            |   |                     |   |
| 151                                    | 2          | single open                                   | 280                 | Nickel finish   |
| 152                                    | 3          | double open                                   | 297                 | Brass finish  |
| 152B                                   | 3          | double open                                   | 297                 | Nickel finish   |
| 153                                    | 2          | single open                                   | 280                 | Gold-plated springs, electro-polish brass finish, 9/16-12 UNC wood thread |
| 154                                    | 3          | double open                                   | 297                 | Gold-plated, no cable clamp   |
| 155                                    | 3          | double open                                   | 297                 | Black satin chrome finish, no cable clamp                                 |
| <b>Locking 1/4" Jacks</b>              |            |   |                     |   |
| E111L                                  | 2          | single open                                   | 280                 |   |
| E112BL                                 | 3          | double open                                   | 297                 |   |
| <b>Tini-Jacks (.141")</b>              |            |   |                     |   |
| 41                                     | 2          | single open                                   | 750                 |   |
| 42A                                    | 2          | single closed                                 | 750                 |   |
| 142A                                   | 2          | single closed                                 | 750                 |   |
| PC142A                                 | 2          | single closed                                 | 750                 | PC terms  |
| <b>Tini-Extension Jacks (.141")</b>    |            |   |                     |   |
| 125                                    | 2          | single open                                   | 750                 |   |
| <b>3.5mm Jacks</b>                     |            |   |                     |   |
| 35RAPC2AV                              | 2          | single closed                                 |                     | Threaded bushing, PC terms  |
| 35RAPC2BH3                             | 3          | double open                                   | 35HDNN              | Threaded bushing, PC terms  |
| 35RAPC3BH3                             | 3          | tip closed, ring open                         | 35HDNN              | Threaded bushing, PC terms  |
| 35RAPC4BH3                             | 3          | double closed                                 | 35HDNN              | Threaded bushing, PC terms  |
| 35RAPC7J                               | 3          | top jack dual open<br>bottom jack dual closed | 35HDNN              | Dual vertical jack  |
| 35RAPC7JS                              | 3          | top jack dual open<br>bottom jack dual closed | 35HDNN              | Dual vertical jack, shielded  |
| 35PM1                                  | 2          | single open                                   | 750                 |   |
| 35PM2A                                 | 2          | single closed                                 | 750                 |   |

See Pages 68-72 for Mechanical Drawings