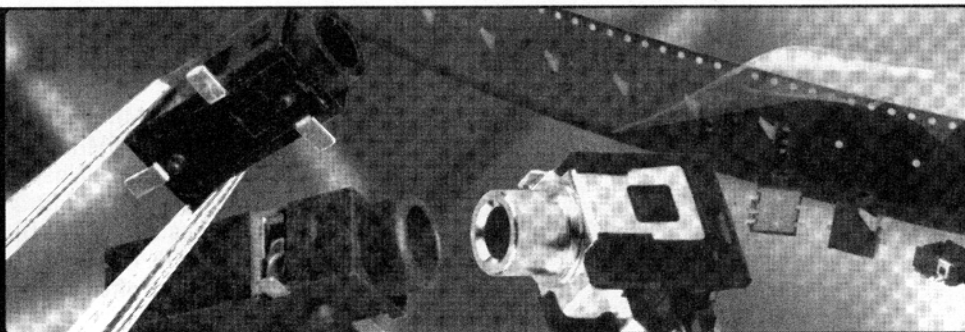


## Stereo Jack



**KYCON Continues its leadership in Stereo Jacks by offering a complete line of designs and options.**

### Stereo Jack Series

ST-2000/ST-2500

ST-2550

ST-3500

ST-3000

ST-3081

ST-3100

ST-3120

ST-3200

ST-314/ST-315

ST-3900

ST-4235

STP-3501

### Features



- Audio Applications for Computers and Multimedia
- Available in Through Hole, Surface Mount, and Reflow Compatible, Stacked, and Panel Mount Options
- Plastic, Metal, and Threaded Bushings Available

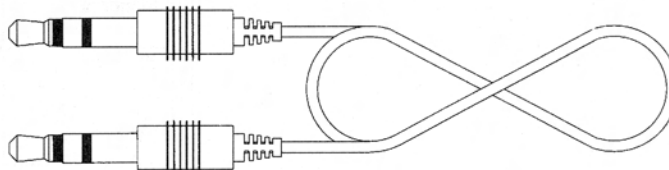
### Stereo Jack Options

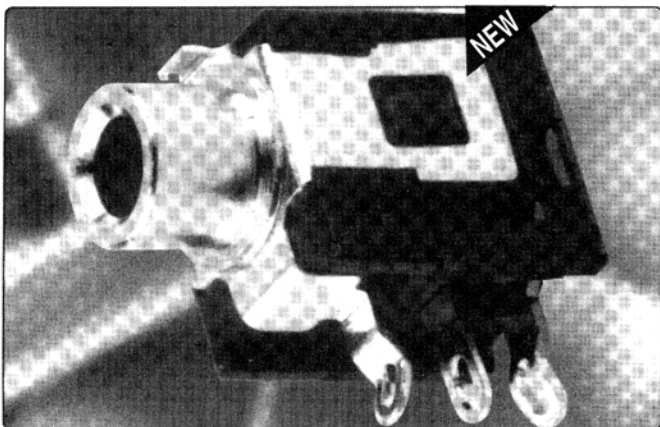
| Series                         | ST-2000 | ST-2500 | ST-2550 | ST-3500 | ST-3000 | ST-3081 | ST-3100 | ST-3120 | ST-3200 | ST-314 | ST-315 | ST-3900 | ST-4235 | STP-3501 |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|---------|---------|----------|
| 2.5mm                          | •       | •       | •       |         |         |         |         |         |         |        |        |         |         |          |
| 3.5mm                          |         |         |         | •       | •       | •       | •       | •       | •       | •      | •      | •       | •       | •        |
| Through Hole                   | •       |         |         |         | •       | •       | •       | •       | •       | •      | •      | •       | •       |          |
| Reflow Compatible Through Hole |         |         |         |         |         |         | •       |         |         |        |        |         |         |          |
| SMT                            |         | •       | •       | •       |         |         |         |         |         |        |        |         |         |          |
| Stacked                        |         |         |         |         |         |         |         |         |         |        |        |         | •       |          |
| Panel Mount                    |         |         |         |         |         |         |         |         |         |        |        |         |         | •        |
| All Plastic                    | •       | •       |         | •       | •       |         |         | •       |         |        |        |         |         |          |
| Threaded Option                |         |         |         |         |         | •       | •       |         | •       | •      | •      | •       |         | •        |
| Mono                           |         |         | •       |         |         |         |         | •       |         | •      | •      |         |         |          |
| 3 Position                     | •       | •       | •       | •       | •       | •       | •       | •       | •       | •      | •      | •       | •       | •        |
| 4 position                     |         | •       | •       | •       |         |         |         |         |         |        |        |         |         |          |
| 5 Position                     |         |         | •       |         |         | •       | •       | •       | •       | •      | •      |         | •       |          |
| 9 Position                     |         |         |         |         |         |         | •       |         |         |        |        |         | •       |          |
| 11 Position                    |         |         |         |         |         |         | •       |         |         |        |        |         | •       |          |

### Stereo Plug Options

Kycon offers standard 2.5mm and 3.5mm molded cables in 8 foot lengths. Contact factory for details. 888-KYCON-22.

### KMC-ST2.5/2.5-8FT





## **ST-3900 Series PCB Mount 3.5mm Stereo Jack**

**Features**  

- Audio Applications for Computers and Multimedia
- Available with Threaded or Non Threaded Metal Bushing
- Open Back Design for Ease of Washability
- CSA/NRTL Certified File No. LR78160

## **Performance Specifications**

### **Materials and Finish**

**Housing**  
PBT Thermoplastic, Black Color UL94V-0 Rated 

**Terminals**  
Copper Alloy, Tin over Nickel Plating

## **Mechanical Characteristics**

**Insertion Force:** 0.4kg - 3.0kg

**Extraction Force:** 0.3kg - 3.0kg

**Durability:** 5000 Mating Cycles

## **Electrical Characteristics**

**Contact Resistance**  
*Before Durability Test*  
30 Milliohms Max.  
*After Durability Test*  
60 Milliohms Max.

**Insulation Resistance:** More Than 100 Megohms at 500V DC

**Dielectric Strength:** 500V AC RMS for 1 Minute

**Operating Temperature:** -25°C to +80°C

## **Ordering Information**

|         |   |                |                  |            |
|---------|---|----------------|------------------|------------|
| ST-3900 | - | 3              | N                | P          |
| Series  |   | Number of Pins | Threading Option | Panel Stop |

**Series**  
ST-3900 - 3.5mm Stereo Jack

**Number of Pins**  
3 - 3 Pins

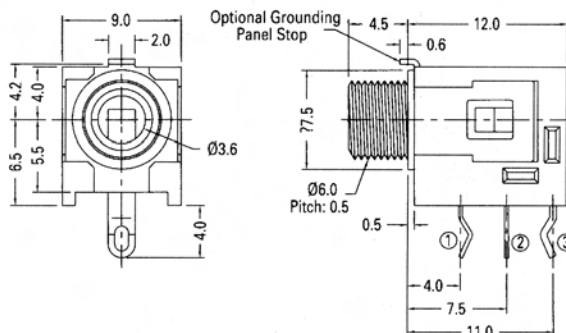
**Threading Option**  
C - Threaded  
N - Non Threaded

**Panel Stop Option**  
Blank - No Panel Stop  
P - With Panel Stop

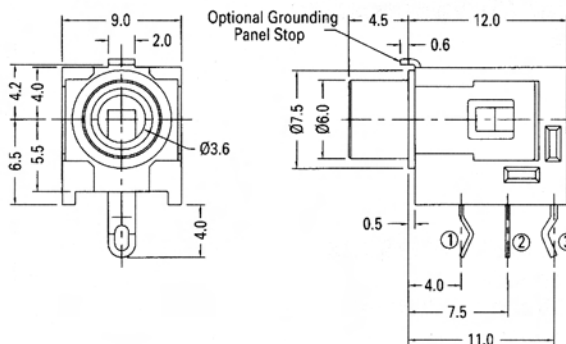
## **Dimensions**

Dimensions in mm

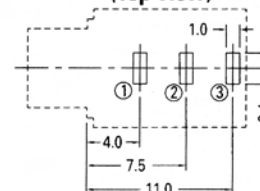
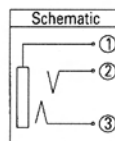
### **ST-3900-3CP**

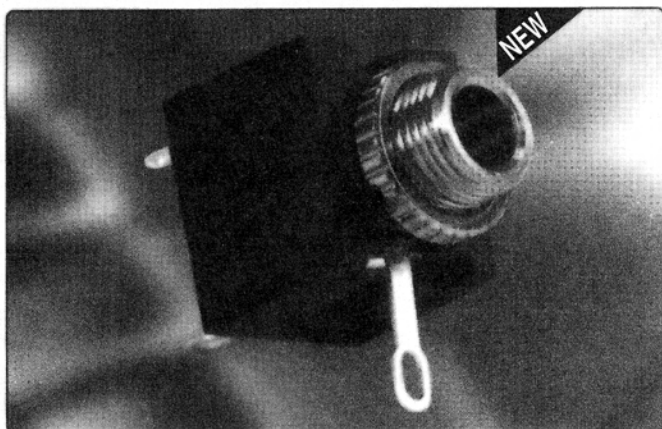


### **ST-3900-3NP**



### **Recommended PCB Layout (Top View)**





## STP-3501 Series Panel Mount 3.5mm Stereo Jack

### Features



- Panel Mount
- Eyelet Terminals
- Audio Applications for Computers and Multimedia
- CSA/NRTL Certified File No. LR78160

### Performance Specifications

#### Materials and Finish

##### Housing

PBT Thermoplastic; Black Color, UL 94V-0 Rated

##### Bushing

Brass, Nickel Plated

##### Terminals

Copper Alloy, Silver Plated

### Mechanical Characteristics

#### Insertion Force

0.3kg - 3.0kg

#### Extraction Force

0.3kg - 3.0kg

#### Durability

5000 Mating Cycles

### Electrical Characteristics

#### Insulation Resistance

More than 50 Megohm at 250V DC

#### Withstanding Voltage

500V AC RMS for One Minute

#### Contact Resistance

Before Durability Test

30 Milliohms Max

After Durability Test

60 Milliohms Max

#### Operating Temperature

-25°C to +80°C

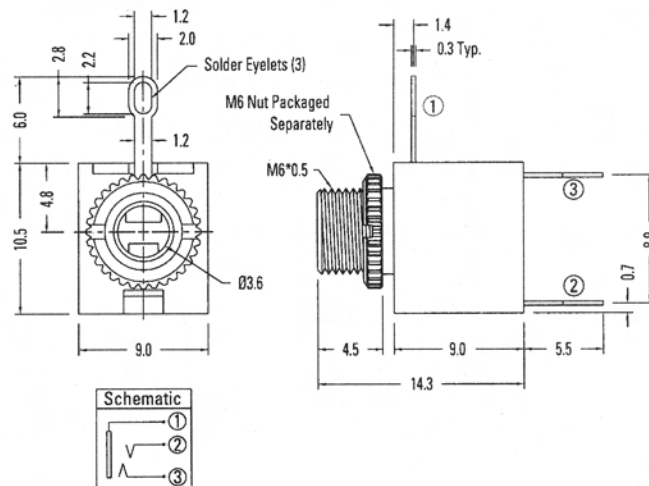
### Ordering Information

|                                                             |   |                |   |         |
|-------------------------------------------------------------|---|----------------|---|---------|
| STP-3501                                                    | - | 3              | - | N       |
| Series                                                      |   | Number of Pins |   | Options |
| <b>Series</b><br>STP-3501 - 3.5mm Panel Mount Stereo Jack   |   |                |   |         |
| <b>Number of Pins</b><br>3 - 3 Pins                         |   |                |   |         |
| <b>Threading Option</b><br>C - Threaded<br>N - Non Threaded |   |                |   |         |

### Dimensions

Dimensions in mm

#### STP-3501-3C



#### STP-3501-3N

