



AUDIO  
TECHNOLOGIES®

## 1/4" PHONE PLUGS

### M SERIES - TS & TRS

Io Audio Technologies' M Series 1/4" plugs are designed to have a fun and unique appearance. Available in this series are two, and three poles straight nickel plated plugs for audio and control applications.



IO-M3MBL

IO-M2MBL

## SPECIFICATIONS

### PRODUCT

Gender: **Male**

Contacts: **2 (IO-M2MBL), 3 (IO-M3MBL)**

### ELECTRICAL

Capacitance Between Contacts: **< 8.4 pF**

Capacitance Between Contact and Ground: **< 7.4 pF**

Contact Resistance: **Depends on Mating Connector**

Insulation Resistance: **≥ 100 MΩ**

Dielectric Strength: **500 V AC @ 60 s**

Rated Voltage: **< 100 V DC**

Rated Current Per Contact: **Depends on Mating Connector**

### ENVIRONMENTAL

Standard Compliance: **IEC 60603-11 / EIA RS-453**

Temperature Range: **-40°C ~ +70° C (-40°F ~ +158°F)**

### MECHANICAL

Lifetime: **> 1000 Mating Cycles**

Cable O.D.: **4.0 - 6.4mm**

Wiresize: **2.0mm O.D. Max**

Wiring: **Solder Contacts**

Solderability: **Complies with IEC 60068-2-20**

### MATERIAL

Plug: **Brass**

Plug Plating: **Nickel**

Contacts: **Brass**

Contact Plating: **Tin**

Shell: **Die Cast Zinc**

Shell Plating: **Nickel**

Plastic Tube: **Polypropylene**

Strain Relief: **POM**

Bushing: **Polyamide**

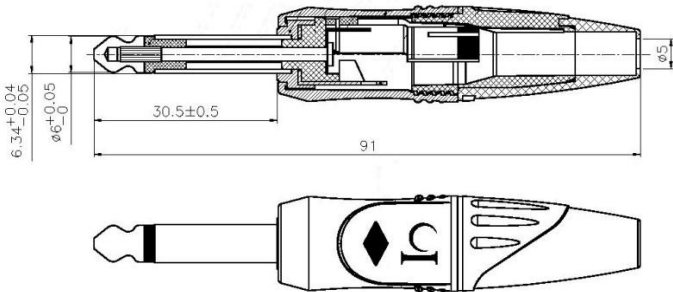
Bushing Color: **Black and Blue**

Product specifications may change without prior notification

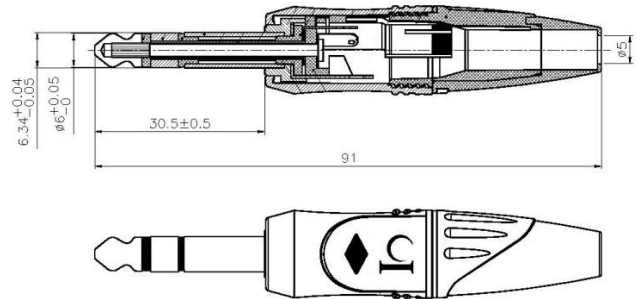


## DRAWINGS

### IO-M2MBL



### IO-M3MBL



## FEATURES & APPLICATIONS

The M Series 1/4" plugs feature an extremely durable nickel plated brass shell and include a sturdy plastic insert that tightens onto the cable to provide strain relief while an additional rubber boot delivers extended support. The nickel plated plug contacts and tin plated wire terminals all ensure the best possible signal flow. Additionally, a thicker thread gauge means the threads will be less prone to strip compared to other similar plugs. These connectors also feature larger solder terminals and no tool housing assembly for ease of termination.

M Series 1/4" connectors meet the most recent requirements for highest density jack fields (15.88), so they can be used in a variety of applications including use with various instruments and patch bays for home or professional studios.

### PART NUMBER BREAKDOWN

- IO-M2MBL  
Series Identifier
- IO-M2MBL  
Number of contacts
- IO-M2MBL  
Gender
- IO-M2MBL  
Body Color

### STANDARDS & CLASSIFICATIONS



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