



AUDIO
TECHNOLOGIES®

1/4" PHONE PLUGS

TBK SERIES - TS & TRS

Io Audio Technologies' TBK Series 1/4" connectors are designed to have a sleek and fresh appearance while providing some upgrades in mechanics. Available in this series are two and three pole straight gold-plated phone plugs for audio, control, or low voltage power applications.



SPECIFICATIONS

PRODUCT

Gender: **Male**

Contacts: **2 (IO-T2MBK), 3 (IO-T3MBK)**

ELECTRICAL

Capacitance Between Contacts: **< 7.3 pF**

Capacitance Between Contact and Ground: **< 8.5 pF**

Contact Resistance: **Depends on Mating Connector**

Insulation Resistance: **≥ 100 MΩ**

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

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 (T2MBK): **1.35mm Max**

Wiresize (T3MBK): **1.45mm Max**

Wiring: **Solder Contacts**

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

MATERIAL

Plug: **Brass**

Plug Plating: **Gold**

Contacts: **Brass**

Contact Plating: **Silver**

Strain Relief: **Brass**

Strain Relief Finish: **Silver**

Shell: **Brass**

Shell Plating: **Nickel Tin**

Plastic Tube: **PP**

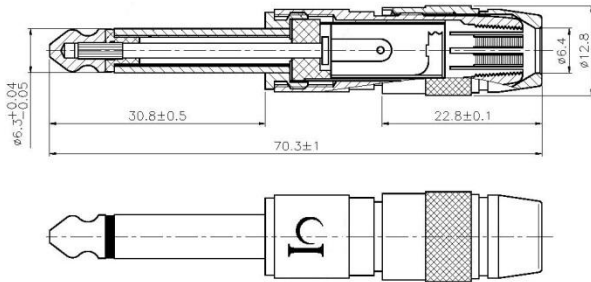
Bushing: **Brass**

Product specifications may change without prior notification

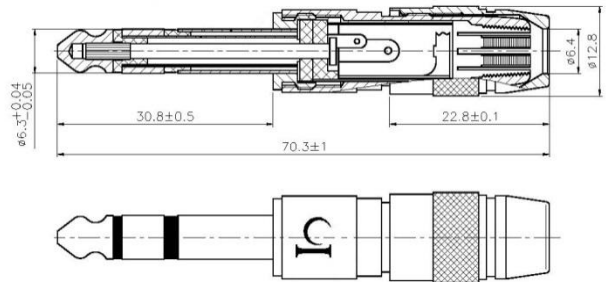
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DRAWINGS

IO-T2MBK



IO-T3MBK



FEATURES & APPLICATIONS

The TBK Series 1/4" plugs feature a durable nickel tin plated brass shell housing designed to allow for smoother plugging and unplugging. Gold plated plug contacts and silver plated wire terminals are standard, as well as solder termination and a threaded housing assembly. They include both a metal clamp as well as a metal pressure chuck which tightens onto the cable to provide extended strain relief.

TBK 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-**T**2MBK
Series Identifier
IO-T**2**MBK
Number of Poles
IO-T2**M**BK
Gender
IO-T2MB**K**
Body Color

STANDARDS & CLASSIFICATIONS



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