



AUDIO  
TECHNOLOGIES®

## XLR CHASSIS CONNECTORS

### 3 PIN JL SERIES

Locking 3 pin connectors with rugged metal shells for audio and lighting control.

## SPECIFICATIONS

### PRODUCT

Gender: **Male (IO-XLR3-M-BK-JL)**

**Female (IO-XLR3-F-BK-JL)**

Contacts: **3**

### ELECTRICAL

Capacitance Between Contacts:  **$\leq 2$  pF**

Capacitance Between Contact and Ground:  **$\leq 2$  pF**

Contact Resistance:  **$< 3$  m $\Omega$**

Insulation Resistance:  **$\geq 5000$  M $\Omega$**

Dielectric Strength: **1500V @ 60s**

Current Rating: **15 A / 125 V AC**

Grounding: **Separate ground contact to mating connector shell and front panel**

### ENVIRONMENTAL

Standard Compliance: **IEC 61076-2-103**

UL Flammability: **Meets UL 94 HB**

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



IO-XLR3-M-BK-JL

IO-XLR3-F-BK-JL

### MECHANICAL

Lifetime: **> 1000 Mating Cycles**

Wiresize (Male): **2.0mm Max O.D.**

Wiresize (Female): **2.5mm Max O.D.**

Wiring: **Solder Contacts**

Locking Device: **Latch Lock**

Mounting Direction: **Front**

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

### MATERIAL

Pins: **Brass (IO-XLR3-M-BK-JL)**

**Phosphor Bronze (IO-XLR3-F-BK-JL)**

Pin Plating: **Silver**

Grounding Terminal: **Brass**

Grounding Terminal Plating: **Tin**

Shell: **Die Cast Zinc**

Shell Finish: **Black (Electrocoated)**

Push Button: **Die Cast Zinc**

Push Button Finish: **Nickel**

Product specifications may change without prior notification

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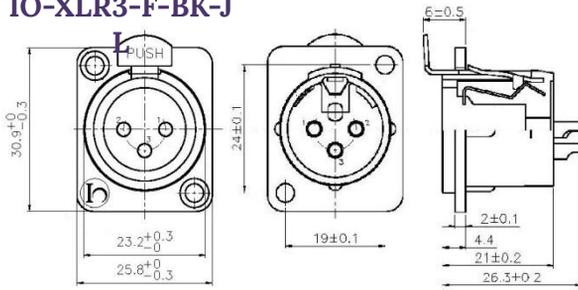
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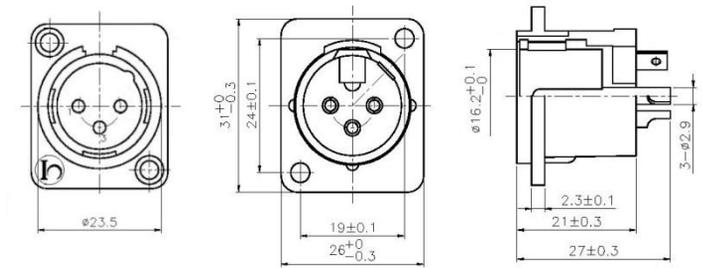


# DRAWINGS

## IO-XLR3-F-BK-J



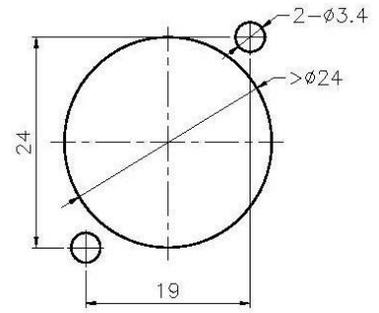
## IO-XLR3-M-BK-JL



# FEATURES & APPLICATIONS

JL Series XLR chassis connectors offer a sleek and robust connection in a standard "J" Size shell. This series is perfect for high-noise environments like permanent installations or design-in applications where the termination method is solder cups. The connectors have a die cast zinc housing with an electrocoated black finish which allows for great RF protection. They have precision machined, one piece, silver plated contacts and a separate tin plated ground pin which grounds to the connector housing and panel. Available in either black or nickel plated housing and in 3 or 5 pin variations. The JL Series XLR chassis connectors help prevent local RF interference from assisted listening, WiFi, and other radio transmitters close to the connectors. When coupled with quality shielded cables, a robust system for preventing the intrusion of unwanted noises is created.

### Panel Cutout



### PART NUMBER BREAKDOWN:

- IO-XLR3-M-BK-JL  
Series Identifier
- IO-XLR3-M-BK-JL  
Number of Pins
- IO-XLR3-M-BK-JL  
Gender
- IO-XLR3-M-BK-JL  
BK = Black Housing  
(Blank) = Nickel Housing
- IO-XLR3-M-BK-JL  
Series Identifier

### STANDARDS & CLASSIFICATIONS



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