**LEVITON**®
Network Solutions
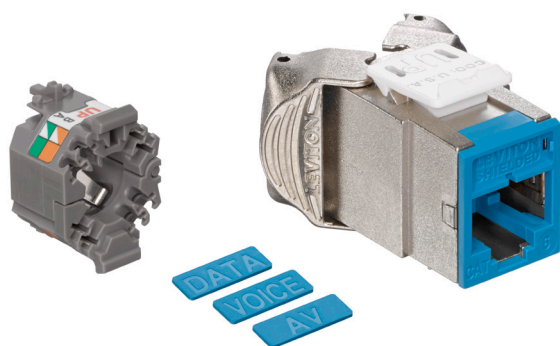
# Atlas-X1® Cat 6 Component-Rated Shielded QuickPort® Jack

## APPLICATION

The Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack supports 1000BASE-T networks. The shielded jack provides superior alien crosstalk (AXT) suppression and protects critical data from potential EMI/RFI (electromagnetic interference/radio frequency interference). The jack is part of a complete Atlas-X1 Cat 6 shielded system, ideal for government, health care, manufacturing, transportation, gaming, and other environments where EMI/RFI and/or security may be a concern.



## SPECIFICATION

The jack shall meet or exceed the requirements for channel and component-level electrical transmission performance as described in ANSI/TIA-568.2-D (Cat 6), ISO/IEC 11801-1 (Class E), and EN 50173-1 (Class E). The jack shall be compliant with ANSI/TIA-1096-A, cULus listed, and be independently verified for electrical transmission performance and power delivery. The jack shall be encased in a diecast housing to protect from potential EMI/RFI. The jack shall support tool-free termination/re-termination and shall not require a specialized termination tool. The jack wiring shall be universal to accommodate T568A and T568B wiring schemes. The jack shall be available in 13 colors; more than established by the ANSI/TIA-606-C standard. The jack shall be offered in standard and shuttered styles and select jacks shall be supplied with interchangeable icons. It shall exceed IEEE 802.3bt standard up to 0.5 amps per conductor (100 watts) continuously.

## DESIGN CONSIDERATIONS

- Fits all QuickPort applications in patch panels, faceplates, and surface-mount boxes
- Can be used to terminate all types of shielded cable
- To identify ports, use different colored modules and icons for each application (13 ANSI/TIA-606-C compatible colors)
- Robust housing and internal shutter protects the connector in harsh environments

## FEATURES

- Independently tested and guaranteed to exceed all component, permanent link, and channel margins
- Patented Retention Force Technology™ (RFT) protects againsttine damage and increases system longevity
- For Power over Ethernet, RFT maintains contact force between plug and jack, preventing arcing from intermittent disconnects
- Shielding provides EMI/RFI protection, signal isolation, and excellent alien crosstalk (AXT) suppression
- Unique design supports tool-free termination/re-termination and requires no specialized termination tool
- Short jack design supports a wider range of applications (e.g. shallow boxes, enclosures, bend radius, etc.)
- Terminates from 26 to 22 AWG solid or stranded conductors foruse on various cable types
- Robust IDCs can withstand 20 re-termination cycles and jack contacts are tested for 750 plug-mating cycles to ensure system longevity
- Available in 13 ANSI/TIA-606-C compatible colors
- Select jacks available with interchangeable icons (voice, data, A/V, and blank, color coded to match the jack face) for easy identification and tracking of data, voice, or other functions
- Jack with internal shutter protects against dust and debris
- Solid metal body dissipates 53% more heat than traditional plastic, minimizing damage from excess heat in PoE applications
- Tine geometry prevents arcing damage where plug and jack make contact
- Will exceed IEEE 802.3bt standard up to 0.5 amps per conductor (100 watts) continuously
- ETL verified to meet the IEC 60512-99-002 standard for support of IEEE 802.3bt Type 4 PoE (90-watt) applications

## STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D (Cat 6)
- ISO/IEC 11801-1 (Cat 6)
- EN 50173-1 (Cat 6)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- UL 2043 Plenum Certified
- IEC 60603-7 (includes IEC 60512-5-2)
- IEC 60512-99-002
- cULus Listed (UL 1863)
- IEEE 802.3bt PoE Type 1 (15.4 Watts) formerly 802.3af, Type 2 (30 Watts) formerly 802.3at, Type 3 (60 Watts), Type 4 (90 Watts)
- Cisco UPoE (60 Watts), UPoE+ (90 Watts)
- Power over HDBaseT™ PoH (95 Watts)
- RoHS 3

L21 SS1061GL-ENv3
Revised December 2021

# PRODUCT SPECIFICATIONS
## 61SJK-xx6, ICONS-ICx

## MECHANICAL SPECIFICATIONS

Dimensions: See below

Materials: **Jack Body:** Die-cast zinc

**Spring-Wire Contacts:** High-quality, copper-based alloy, plated with 50 microinches of gold
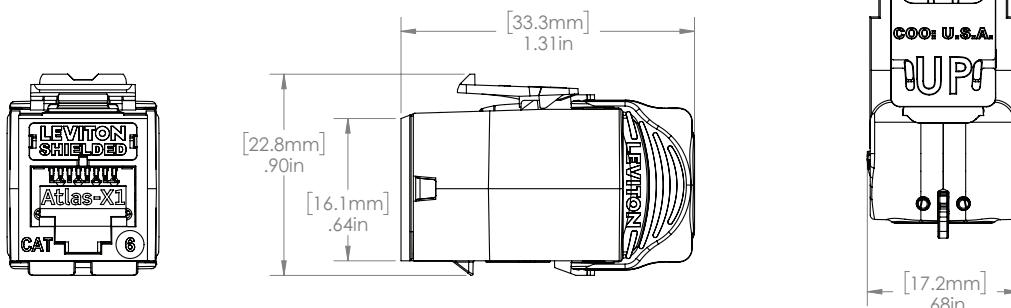
Temperature (Storage): -40 °C to +70 °C
Temperature (Operating): -10 °C to +60 °C

## COUNTRY OF ORIGIN

USA and Mexico (Contact Customer Service for details)

## WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/warranty

[14.6mm] .58in

[33.3mm] 1.31in

[22.8mm] .90in

[16.1mm] .64in

COO: U.S.A.

UP

[17.2mm] .68in

## PART NUMBERS

| Description | Standard Jack | Jack w/ Internal Shutter | GreenPack™ 12-Pack Standard Jack |
|---|---|---|---|
| Atlas-X1® Cat 6 Component-Rated Shielded QuickPort® Jack, white | 61SJK-RW6 | 61SJK-SW6 | 61SJK-CW6 |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, light almond | 61SJK-RT6 | 61SJK-ST6 | ——— |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, ivory | 61SJK-RI6 | 61SJK-SI6 | ——— |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, yellow | 61SJK-RY6 | 61SJK-SY6 | ——— |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, orange | 61SJK-RO6 | 61SJK-SO6 | ——— |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, crimson | 61SJK-RC6 | 61SJK-SC6 | ——— |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, dark red | 61SJK-RR6 | 61SJK-SR6 | ——— |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, purple | 61SJK-RP6 | 61SJK-SP6 | ——— |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, blue | 61SJK-RL6 | 61SJK-SL6 | ——— |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, green | 61SJK-RV6 | 61SJK-SV6 | ——— |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, gray | 61SJK-RG6 | 61SJK-SG6 | 61SJK-CG6 |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, black | 61SJK-RE6 | 61SJK-SE6 | 61SJK-CE6 |
| Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Jack, brown | 61SJK-RB6 | 61SJK-SB6 | ——— |

Color-matched icons (ICONS-ICx) can be ordered separately in 72-quantity packs.
Bulk wire managers (AXUJK-BWM) can be ordered separately in 10-quantity packs.
x = icon color

White (W)  Light Almond (T)  Ivory (I)  Yellow (Y)  Orange (O)  Crimson (C)  Dark Red (R)  Purple (P)  Blue (L)  Green (V)  Gray (G)  Black (E)  Brown (B)

For further support information, visit leviton.com/ns/support

NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE TO LEARN MORE.

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