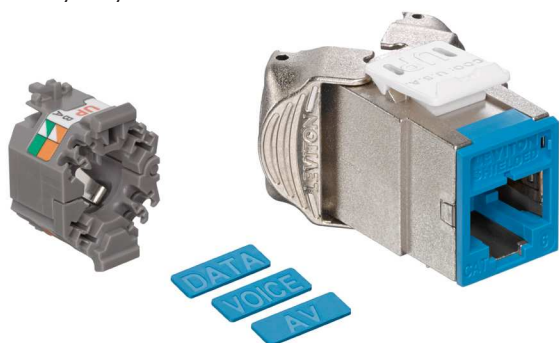# LEVITON

Atlas-X1™ Cat 6 Component-Rated Shielded QuickPort® Connector

APPLICATION

The Atlas-X1 Cat 6 Component-Rated Shielded QuickPort Connector supports 1000BASE-T networks. The shielded connector provides superior alien crosstalk (AXT) suppression and protects critical data from potential EMI/RFI (electromagnetic interference/ radio frequency interference). The connector 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 shielded connector shall meet or exceed all requirements for Category 6 as described in ANSI/TIA-568-C.2, as well as Class E requirements as described in ISO/IEC 11801. The connector shall comply with all National Electrical Codes, be compliant with ANSI/TIA-1096-A, be UL listed, and be independently verified. The connector shall be encased in a die-cast housing to protect from potential EMI/RFI. The connector shall support tool-free termination/re-termination and shall not require a specialized termination tool. The connector wiring shall be universal to accommodate T568A and T568B wiring schemes. The connector shall be available in 13 colors; more than established by the ANSI/TIA-606 standard. The connector shall be supplied with interchangeable icons, and be offered with internal shutter and standard styles. It shall support Power over Ethernet up to 100 watts.

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 compatible colors)
- Robust housing and internal shutter protects the connector in harsh environments

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FEATURES

- Independently tested and guaranteed to exceed all component, permanent link, and channel margins
- Patented Retention Force Technology (RFT) protects against tine damage and increases system longevity
- For Power over Ethernet, RFT maintains contact force between plug and connector, 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 connector design supports a wider range of applications (e.g. shallow boxes, enclosures, bend radius, etc.)
- Terminates from 26 to 22-gauge solid or stranded conductors for use on various cable types
- Robust IDCs can withstand 20 re-termination cycles and connector contacts are tested for 750 plug-mating cycles to ensure system longevity
- Available in 13 ANSI/TIA-606-B compatible colors
- Connector supplied with interchangeable icons (voice, data, A/V, and blank, color coded to match the connector face) for easy identification and tracking of data, voice, or other functions
- Connector 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 connector make contact

STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2 (Cat 6)
- ISO/IEC 11801
- IEC 60603-7 (includes IEC 60512-5-2)
- IEC 60512-99-001 (includes IEC 60512-9-3)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- IEEE 802.3at (Type 1) PoE up to 15.4 watts
- IEEE 802.3at (Type 2) PoE up to 30 watts
- IEEE 802.3bt (Type 3) PoE+ up to 60 watts
- IEEE 802.3bt (Type 4) PoE+ up to 100 watts
- Cisco Universal Power Over Ethernet (UPOE) up to 60 watts
- Power over HDBaseT™ (POH) up to 100 watts
- RoHS 2
- cULus Listed
- UL 2043 Plenum Certified

PHYSICAL SPECIFICATIONS

Dimensions: See page two

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

Spring-Wire Contacts: High-quality copper-based alloy plated with 50 micro-inches of gold

Environmental Conditions: **Storage Temperature:** -40 °C to +70 °C

Operating Temperature: -10 °C to +60 °C

Revised February 2017

LEVITON

61SJK-xx6, ICONS-ICx

COUNTRY OF ORIGIN
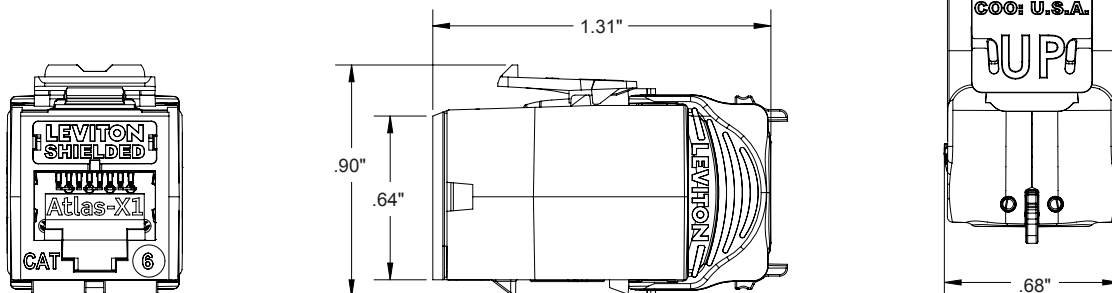USA

WARRANTY INFORMATION
Limited Product and Limited Extended Warranties are rendered VOID if the installed structured cabling system is used for PoE applications that exceed the product's specified power rating.

For a copy of Leviton product warranties, visit www.leviton.com/warranty

ELECTRONIC FILES
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

PART NUMBERS

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

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

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

ISO 9001 REGISTERED Quality Manufacturer

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Revised February 2017