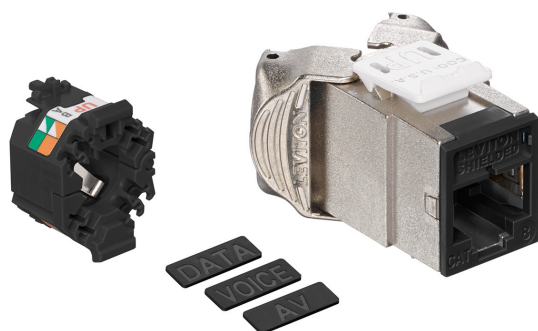


## ATLAS-X1™ Cat 8 Shielded QUICKPORT™ Jack

### APPLICATION

ATLAS-X1 Cat 8 Shielded QUICKPORT Jack supports 25G/40GBASE-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 8 shielded system designed to support next generation BASE-T data center networks.



### SPECIFICATION

The shielded jack shall meet or exceed all Category 8 requirements described in ANSI/TIA-568.2 (Cat 8), as well as requirements in ISO/IEC 11801-1 Class I. The jack shall be compliant with ANSI/TIA-1096-A, c(UL)us listed, and be independently verified for electrical transmission performance and power delivery. It shall be encased in a die-cast housing to protect from potential EMI/RFI. The jack shall support tool-free termination/re-termination and shall not require a specialized termination tool.

### COUNTRY OF ORIGIN

USA

### FEATURES & BENEFITS

- Patented Retention Force Technology (RFT) protects against time damage and increases system longevity
- For Power over Ethernet (PoE), RFT maintains contact force between plug and jack, preventing arcing from intermittent disconnects
- Shielding provides EMI/RFI protection, signal isolation, and (AXT) suppression
- Unique design supports tool-free termination/re-termination and requires no specialized termination tool
- Short jack design supports a wide range of installation practices and improves bend radius of Cat 8 shielded cabling
- Robust IDCs can withstand 20 re-termination cycles and jack contacts are tested for 750 plug-mating cycles to ensure system longevity
- Jack supplied 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
- Bulk icons available separately in 13 colors
- Solid metal body dissipates 53% more heat than plastic, minimizing damage from excess heat in PoE applications
- Tine geometry prevents arcing damage where plug and jack make contact

### DESIGN CONSIDERATIONS

- Recommended for use with Leviton 1RU/24-port and 2RU/48-port shielded QUICKPORT patch panels
- Terminates from 26 to 22 AWG solid or stranded conductor, and especially designed to support solid 22 AWG S/FTP
- Cat 8 cable

### STANDARDS & REGULATIONS

- ANSI/TIA-568.2
- ISO/IEC 11801-1 (Class I)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- IEC 60603-7 (includes IEC 60512-5-2)
- IEC 60512-99-002
- c(UL)us Listed (UL 1863)
- UL 2043 Plenum Certified
- IEEE 802.3 PoE Type 1, 2, 3, 4 (100 watts max)
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)
- ETL verified to meet the IEC 60512-99-002 standard for support of IEEE 802.3 Type 4 PoE (100-watt) applications
- RoHS 2

PRODUCT SPECIFICATIONS

81SJK

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 for lowest  
contact

Temp. (Storage): -40 °C to +70 °C (-40 °F to +158 °F)

Temp. (Installation): Refer to cable installation temperature

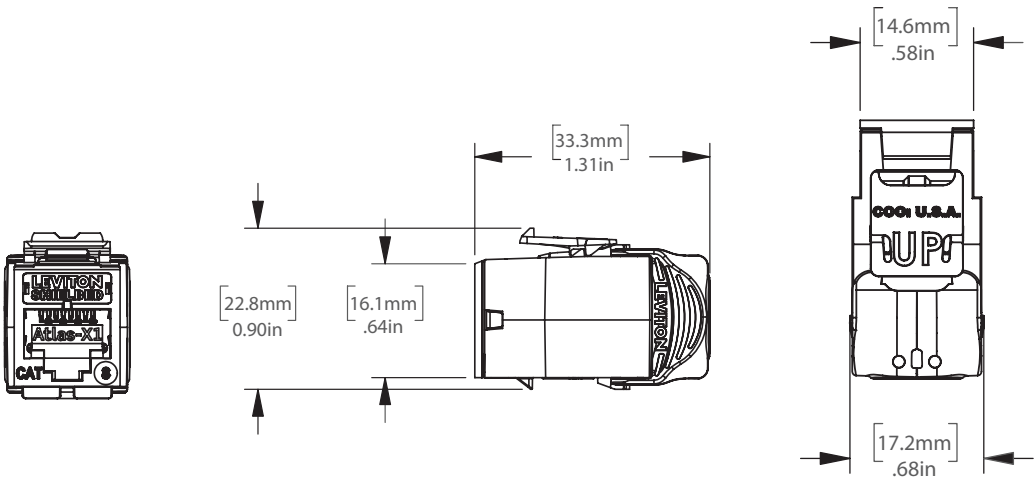
Temp. (Operating): -10 °C to +60 °C (+14 °F to +140 °F)

Humidity (Max.): 95% relative humidity, non-condensin

WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/ns/warranty](https://leviton.com/ns/warranty)

81SJK



PART NUMBERS

Description	Part No.
ATLAS-X1™ Cat 8 Shielded QUICKPORT™ Jack	81SJK

Icons (ICONS-ICx) are available in 13 difference colors, and can be ordered separately in 72-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)

Grey (G)

Black (E)

Brown (B)

For further support information, visit [Leviton.com/ns/support](https://leviton.com/ns/support)