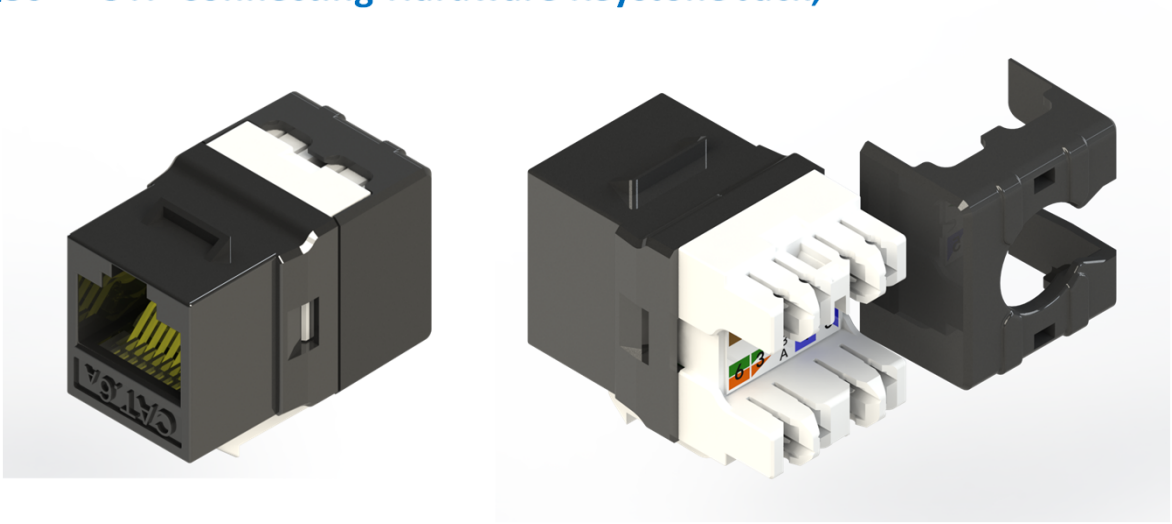
Technical Data Sheet

180° UTP Connecting-Hardware Keystone Jack,



Features

- High-Density design for 1U-24port keystone panel, extreme performance for Edge Data Center
- ETL Verified ANSI/TIA-568.2-D Connecting-Hardware including the 4PPoE performance
- Power over HDBaseT (PoH) applications up to 100 W
- UL 1863 verified

Standards Compliance

- ANSI/TIA-568.2-D
- ISO/IEC 11801-1, Class D/E/EA
- IEC 60603-7
- IEC 60512-99-002
- IEEE 802.3bt Type 4 PoE++ (4PPoE) 100 W
- ANSI/TIA-1096-A (formerly FCC Part 68)
- UL1863
- RoHS / REACH compliant

Part Number	Descriptions	
AADDE 01114 010XX	**KJ48-C6-US/XX**	180° Cat.6 UTP Connecting-Hardware Keystone Jack, 110 Punch-Down
AADDE 01116 010XX	**KJ48-6A-US/XX**	180° Cat.6A UTP Connecting-Hardware Keystone Jack, 110 Punch-Down

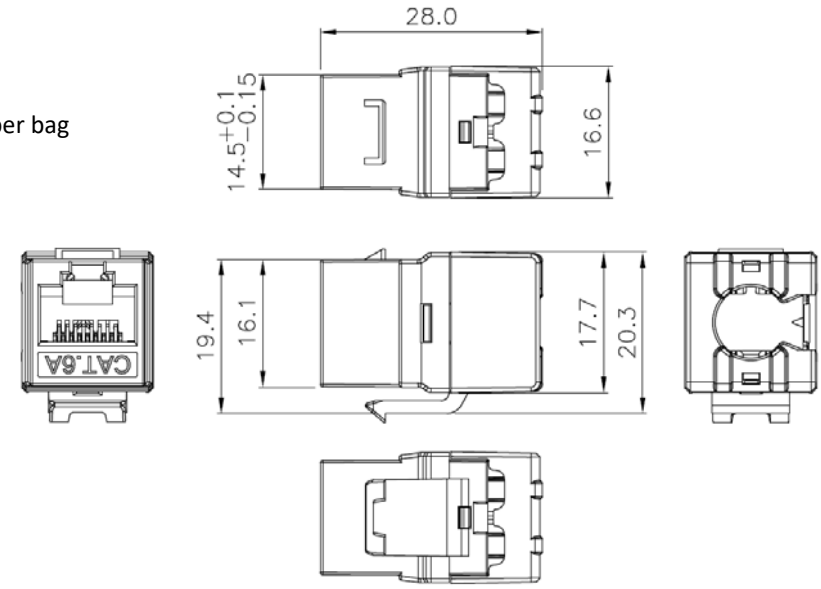
Packing Information

- 1 keystone jack, 1 IDC-Cap & 1 Cable-Tie per bag
- 50 bags, 1 Punch-Support-Fixture & 1 Installation-Instruction per box
- 10 boxes per carton (500 pcs / carton)
- Net weight 3.2 kgs per carton
- Gross weight 6.0 kgs per carton
- Carton size L48.0 x W39.0 x H25.3cm, 1.67 CUFT, 0.047CBM

Dimensions

Unit: mm

Tolerance: ±0.3mm



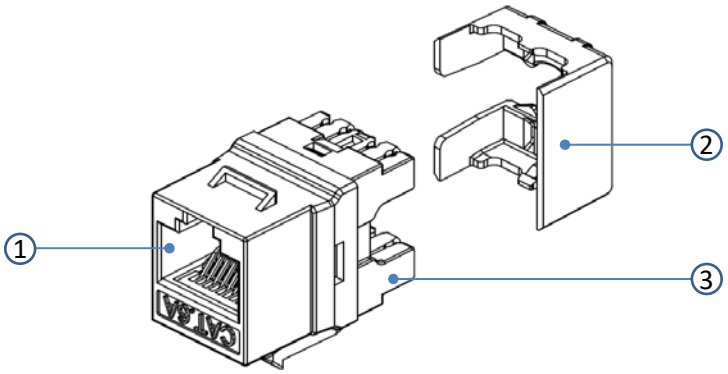
Jyh Eng Technology Co., Ltd.

5F.,No.50, Lane1, Sec.2, Guodao Rd., Lujhou Dist., New Taipei City 24760, Taiwan, R.O.C

TEL: +886-2-2984-5228 FAX: +886-2-2982-5889 http://www.je-net.com.tw/ Sales@jyheng.com.tw

Technical Data Sheet

180 ° UTP Connecting-Hardware Keystone Jack,



Material Specifications

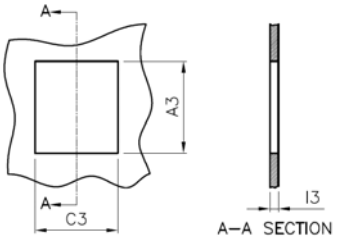
Parts	Specifications
1. RJ45 jack	
1-1. Housing	ABS/PC, UL94V-0
1-2. Contacts bracket	Polycarbonate, UL94V-2, transparent color
1-3. Contacts material	Phosphor bronze with nickel plating
1-4. Contacts gold plating	50 micro-inch gold plating on surface of plug contact area
2. IDC-Cap	Polycarbonate, UL94V-2, black color
3. IDCs	
3-1. Housing	Polycarbonate, UL94V-2, white color
3-2. Terminals	Phosphor bronze with tin plating
4. PCB	FR4, UL94V-0

Mechanical Characteristics

- Life (Mating cycles) ≥ 750 cycles
- Mating / Un-mating force ≤ 20 N
- Retention strength 7.7 kg between jack and plug

Mounting Dimensions

Letter	Max. mm	Min. mm
A3	19.61	19.30
C3	15.04	14.78
I3	1.54	1.22



Installation Information

- Wire conductor range Solid and stranded, 22-26 AWG
- Cable OD range 5.0 mm to 8.5 mm
- IDC re-installing cycles ≥ 20 cycles
- Installing temperature 0℃ to 50℃ (32℉ to 122℉)
- Storage temperature -40℃ to 70℃ (-40℉ to 158℉)
- Operating temperature -10℃ to 60℃ (14℉ to 140℉)
- Humidity 10% to 90% RH

Electrical Characteristics

- Contact resistance ≤ 20 mΩ , from initial
- Insulation resistance ≥ 500 MΩ at 100 Vdc, for 60 s
- Voltage proof contact to contact 1000 Vdc, for 60 s
- Current carrying capacity 1.0 A at 60℃ (140℉)
- UL voltage rating 150 V
- PoE 60 Vdc, IEEE 802.3bt Type 4 PoE++ (4PPoE) 100 W

180 ° UTP Connecting-Hardware Keystone Jack,

3933 US Route 11
Cortland, New York 13045 USA
Phone Number: (800) 345-3851
Fax Number: (607) 758-6637
Web: www.intertek.com

ETL Verified Certificate of Conformance Number: 105027786CRT-001c

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the electrical transmission requirements of the referenced specification(s) at the time the tests were carried out.

Rendered to:

JYH Eng Technology Company Ltd.

5th Floor, No. 11 Lane 1, Sec. 1 Yung-An S. Road

Lujou City, Taipei Hsien 247

Taiwan ROC

www.je-net.com.tw

Contact: Mr. Slim Chiu

Product tested:	Category 6A RJ-45 unshielded modular jack
Part number(s):	AADDE-16 / KJ48-6A-US/XX The qualified mounting system for alien crosstalk is 24-port 1RU patch panel part number AIDAE-01 / UPKJ24-6A-B/BK
Compliant to:	ANSI/TIA-568.2-D connecting hardware test limit
Authorized marking:	ETL VERIFIED TO ANSI/TIA-568.2-D CATEGORY 6A

Continuing compliance to this specification is monitored through production testing, ongoing inspections by Intertek at the production facility and random sample testing.

Date Issued: 24-May-2022

Approved By: Antoine Pelletier

Antoine Pelletier, Project Engineer

This verification supersedes all previous verifications with the noted Verification/Report number(s) dated before this verification notice.

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.