

Technical Data Sheet

90 ° UTP Connecting-Hardware Keystone Jack, Punch-Down, Decora® Wall Plate compatible



Features

- High-Density design for 1U-48port keystone panel, extreme performance design for Hyper-Scale and Edge Data Center
- ETL verified ANSI/TIA 568.2-D Connecting-Hardware, Cat.6A including the Alien Cross Talk performance
- High headroom on ANSI/TIA 568.2-D Cat.6A and ISO/IEC11801-1 Class EA 4-conductor Channel including the Cat.6A Alien Cross Talk performance
- Fits for Decora® wall plate
- Pair Separation Tower of 110 IDC design
- Suitable for 110 Punch-Down tool and JE termination tool, T568A & B wiring
- Power over HDBaseT (PoH) applications up to 100 watts
- 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 watts
- ANSI/TIA-1096-A (formerly FCC Part 68)
- UL1863
- RoHS / REACH compliant

Part Number

Descriptions

AADCE 01113 010XX	KJ38-CE-US/xx	90° Cat.5E UTP Connecting-Hardware Keystone Jack, Punch-Down
AADCE 01114 011XX	KJ38-C6-US/xx	90° Cat.6 UTP Connecting-Hardware Keystone Jack, Punch-Down
AADCE 01116 010XX	KJ38-6A-US/xx	90° Cat.6A UTP Connecting-Hardware Keystone Jack, Punch-Down

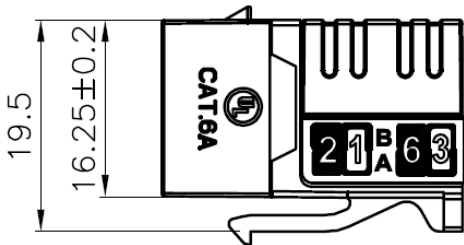
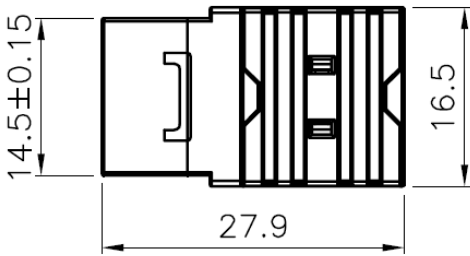
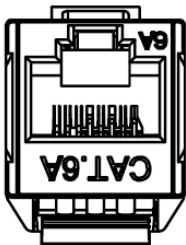
XX = Housing color, 01=Black, 02=Gray(RAL7030), 03=Red(RAL3003), 05=White(RAL9003), 06=Yellow(RAL1018), 07=Blue(RAL5012), 08=Green(RAL6016), 09=Orange(RAL2012), 13=Ivory(RAL1014)

Packing Information

- 1 keystone jack & 1 IDC-Cap per bag
- 50 bags, 1 Punch-Support-Fixture & 1 Installation-Instruction per box
- 10 bags boxes per carton (500 / carton)
- Net weight 4.3 kgs per carton
- Gross weight 6.9 kgs per carton
- Carton size L48.0 x W39.0 x H25.3cm, 1.67 CUFT, 0.047CBM

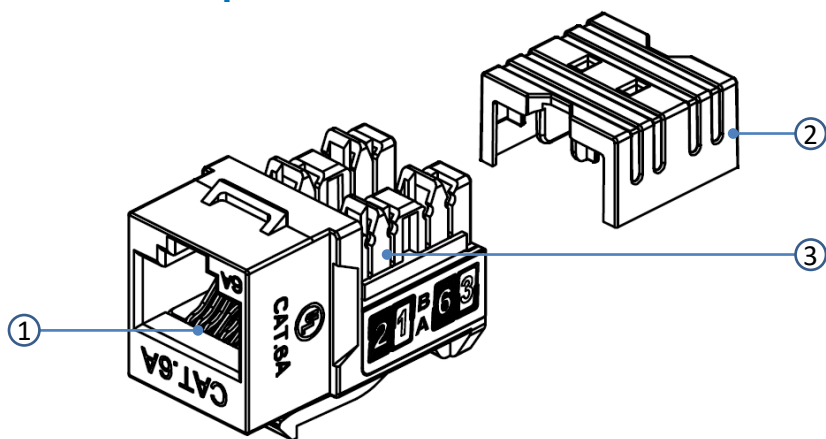
Dimensions

Unit: mm
Tolerance: ±0.3mm



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Material Specifications

Parts

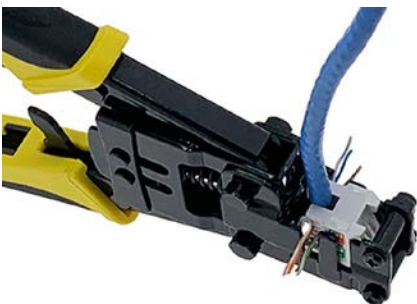
- 1. RJ45 jack
 - 1-1. Housing
 - 1-2. Contacts bracket
 - 1-3. Contacts material
 - 1-4. Contacts gold plating
- 2. IDC-Cap
- 3. IDC
 - 3-1. Housing
 - 3-2. Terminals
- 4. PCB

Specifications

ABS/PC, UL94V-0, optional color
PBT with glass fiber, UL94V-0
Phosphor bronze with nickel plating
50 micro-inch gold plating on surface of plug contact area
ABS/PC, UL94V-0, black color

Polycarbonate, UL94V-2, white color
Phosphor bronze with tin plating
FR4, UL94V-0

JE Termination Tool



Mechanical Characteristics

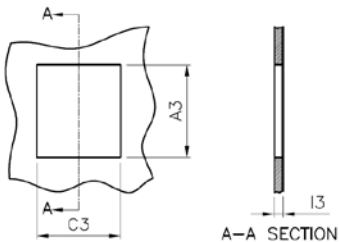
- Life (Mating cycles) ≥ 750 cycles
- Mating / Un-mating force $\leq 20N$
- Retention strength 7.7kg between jack and plug

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, 23-26AWG
- Cable OD range 5.0mm to 8.5mm
- IDC re-installing cycles ≥ 20 cycles
- Punch-Down tool 110 Punch-Down tool, or JE termination tool
- Installing temperature $0^{\circ}C$ to $50^{\circ}C$ ($32^{\circ}F$ to $122^{\circ}F$)
- Storage temperature $-40^{\circ}C$ to $70^{\circ}C$ ($-40^{\circ}F$ to $158^{\circ}F$)
- Operating temperature $-10^{\circ}C$ to $60^{\circ}C$ ($14^{\circ}F$ to $140^{\circ}F$)
- Humidity 10% to 90%RH



Electrical Characteristics

- Contact resistance $\leq 20\text{ m}\Omega$, from initial
- Insulation resistance $\geq 500\text{ M}\Omega$ at 100 Vd.c., for 60sec.
- Voltage proof contact to contact 1000 Vd.c., for 60sec.
- Current carrying capacity 1.0A at $60^{\circ}C$ ($140^{\circ}F$)
- UL voltage rating 150V
- PoE 60Vd.c., IEEE 802.3bt Type 4 PoE++ (4PPoE) 100 watts