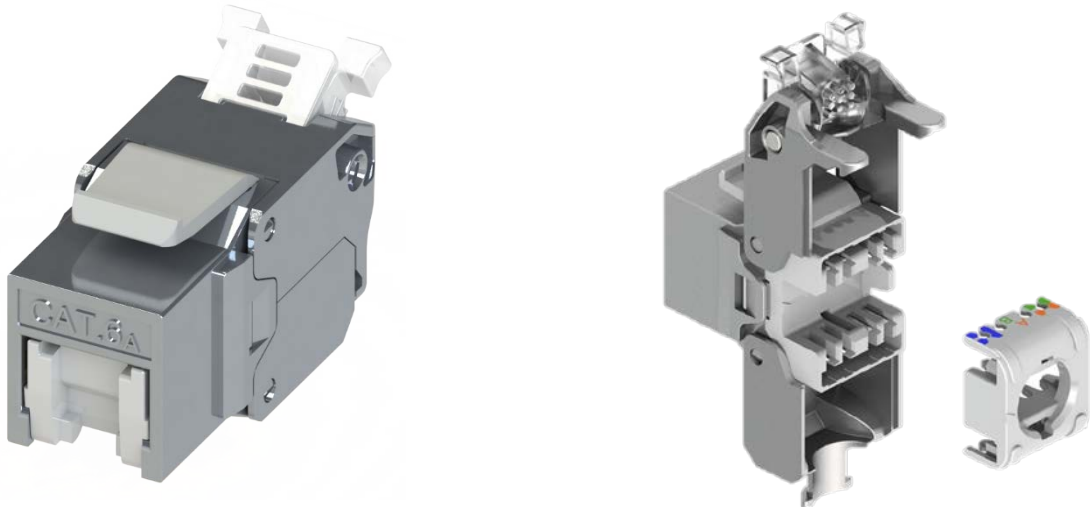


Technical Data Sheet

180 ° STP Connecting-Hardware Keystone Jack, Dust-Cap, Cable-Clamper



Features

- High-Density design for 1U-24port keystone panel, extreme performance for Edge Data Center
- DELTA / FORCE Technology Verified ANSI/TIA-568.2-D Connecting-Hardware including the 4PPoE performance
- Quick and efficient installation by Patented Cable Clamper, Keystone Jack Termination tool, Feature-Proofing and Pre-Lock design of IDC-Cap
- Hi-Pot insulation performance improved by IDC's wires protection design
- T568A & B wiring color printing on IDC-Cap
- Power over HDBaseT (PoH) applications up to 100 W
- UL 1863 verified
- IP20 performance by Dust-Cap design

Standards Compliance

- ANSI/TIA-568.2-D
- ISO/IEC 11801-1, Class D/E/EA
- IEC 60603-7-1
- 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

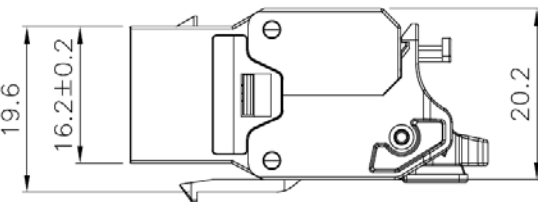
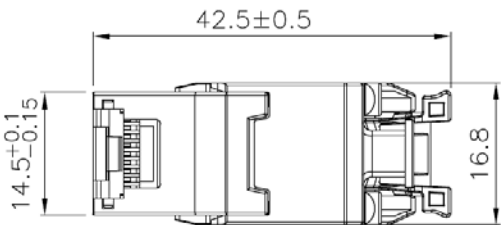
Part Number

Descriptions

AADBK 02114 04015	KJ68F-C6-FS-D	180 ° Cat.6 STP Connecting-Hardware Keystone Jack, Cable-Clamper, Dust-Cap, Tool-Free, 23-26AWG
AADBK 02116 04015	KJ68F-6A-FS-D	180 ° Cat.6A STP Connecting-Hardware Keystone Jack, Cable-Clamper, Dust-Cap, Tool-Free, 23-26AWG
AADBK 02114 04115	KJ68F-C6-FS-D-22	180 ° Cat.6 STP Connecting-Hardware Keystone Jack, Cable-Clamper, Dust-Cap, Tool-Free, 22-24AWG
AADBK 02116 04115	KJ68F-6A-FS-D-22	180 ° Cat.6A STP Connecting-Hardware Keystone Jack, Cable-Clamper, Dust-Cap, Tool-Free, 22-24AWG

Packing Information

- 1 keystone jack, 1 IDC-Cap & 1 Cable-Tie per bag
- 50 bags and 1 Installation-Instruction per box
- 10 boxes per carton (500 pcs / carton)
- Net weight 11.8 kgs per carton
- Gross weight 14.5 kgs per carton
- Carton size L48.0 x W39.0 x H25.3cm, 1.67 CUFT, 0.047CBM



Dimensions

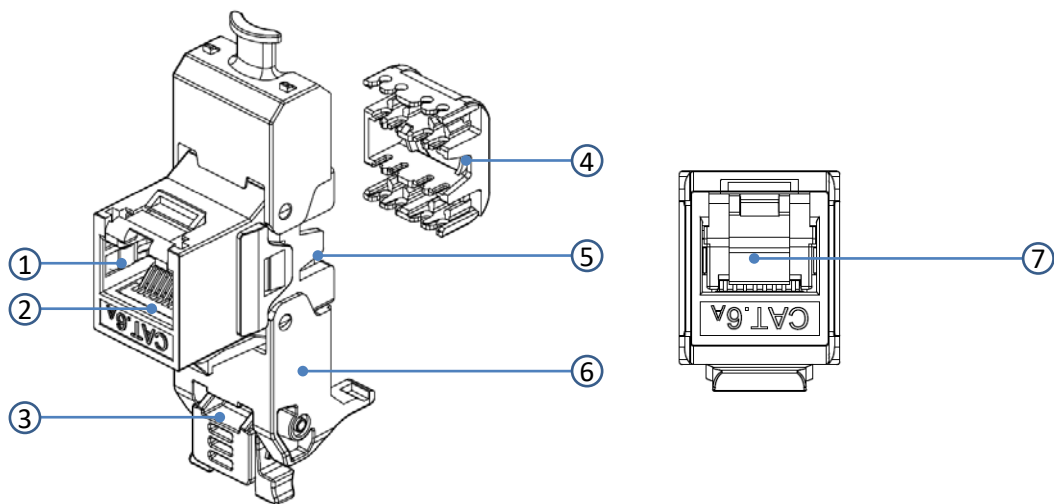
Unit: mm

Tolerance: ±0.3mm



Technical Data Sheet

180 ° STP Connecting-Hardware Keystone Jack, Dust-Cap, Cable-Clamper



Material Specifications

Parts

- 1. Grounding contacts
- 2. RJ45 jack
 - 2-1. Housing
 - 2-2. Contacts bracket
 - 2-3. Contacts material
 - 2-4. Contacts gold plating
- 3. Cable-Clamper
- 4. Wire management cap(IDC-Cap)
- 5. IDCs
 - 5-1. Housing
 - 5-2. Terminals
- 6. Caps
- 7. Dust-Cap
- 8. PCB

Specifications

Stainless steel

Zinc Die-Casting with nickel plating

Polycarbonate, UL94V-2, transparent color

Phosphor bronze with nickel plating

50 micro-inch gold plating on surface of plug contact area

Polycarbonate, UL94V-2, transparent color

Polycarbonate, UL94V-2, white color for 23-26 AWG, grey color for 22-24 AWG

Polycarbonate, UL94V-2, grey color

Phosphor bronze with tin plating

Zinc Die-Casting with nickel plating

ABS/PC, UL94V-2, white color

FR4, UL94V-0

Mechanical Characteristics

- Life (Mating cycles) ≥ 750 cycles
- Mating / Un-mating force ≤ 30 N
- Retention strength 7.7 kg between jack and plug

Installation Information

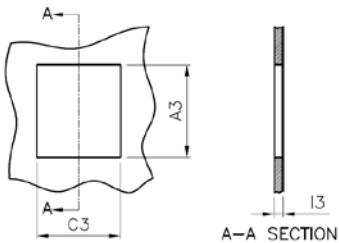
- Wire conductor range Solid and stranded, Type 1 23-26 AWG or Type 2 22-24 AWG
- Cable OD range 5.0 mm to 8.5 mm
- IDC re-installing cycles ≥ 20 cycles
- Installing temperature 0°C to 50°C (32°F to 122°F)
- Storage temperature -40°C to 70°C (-40°F to 158°F)
- Operating temperature -10°C to 60°C (14°F to 140°F)
- Humidity 10% to 90% RH

Electrical Characteristics

- Contact resistance ≤ 20 m Ω , from initial
- Insulation resistance ≥ 500 M Ω at 100 Vdc, for 60 s
- Voltage proof contact to contact 1000 Vdc, contact to shield 1500 Vdc, for 60 s
- Current carrying capacity 1.0 A at 60°C (140°F)
- UL voltage rating 150 V
- PoE 60 Vdc, IEEE 802.3bt Type 4 PoE++ (4PPoE) 100 W

Mounting Dimensions

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

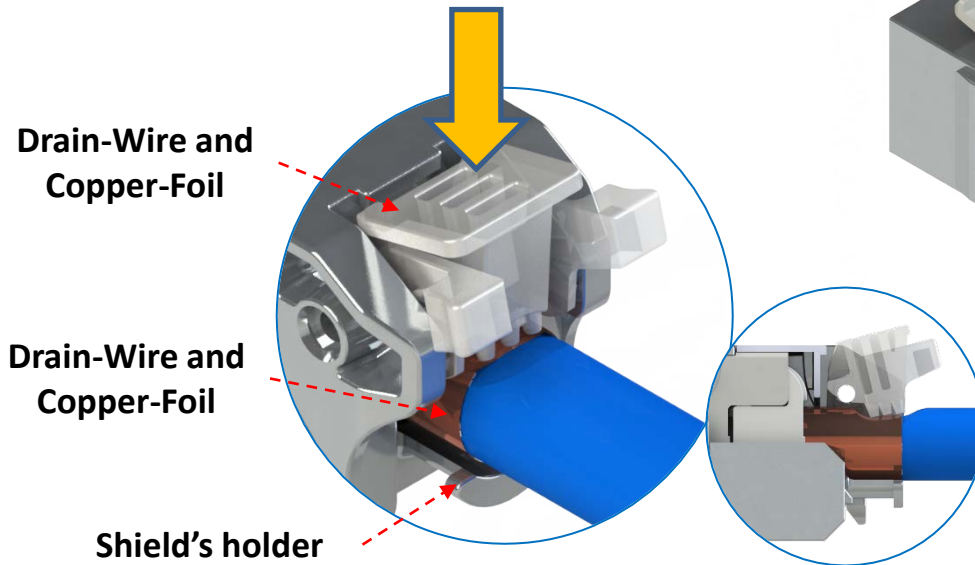


Technical Data Sheet

180 ° STP Connecting-Hardware Keystone Jack, Dust-Cap, Cable-Clamper

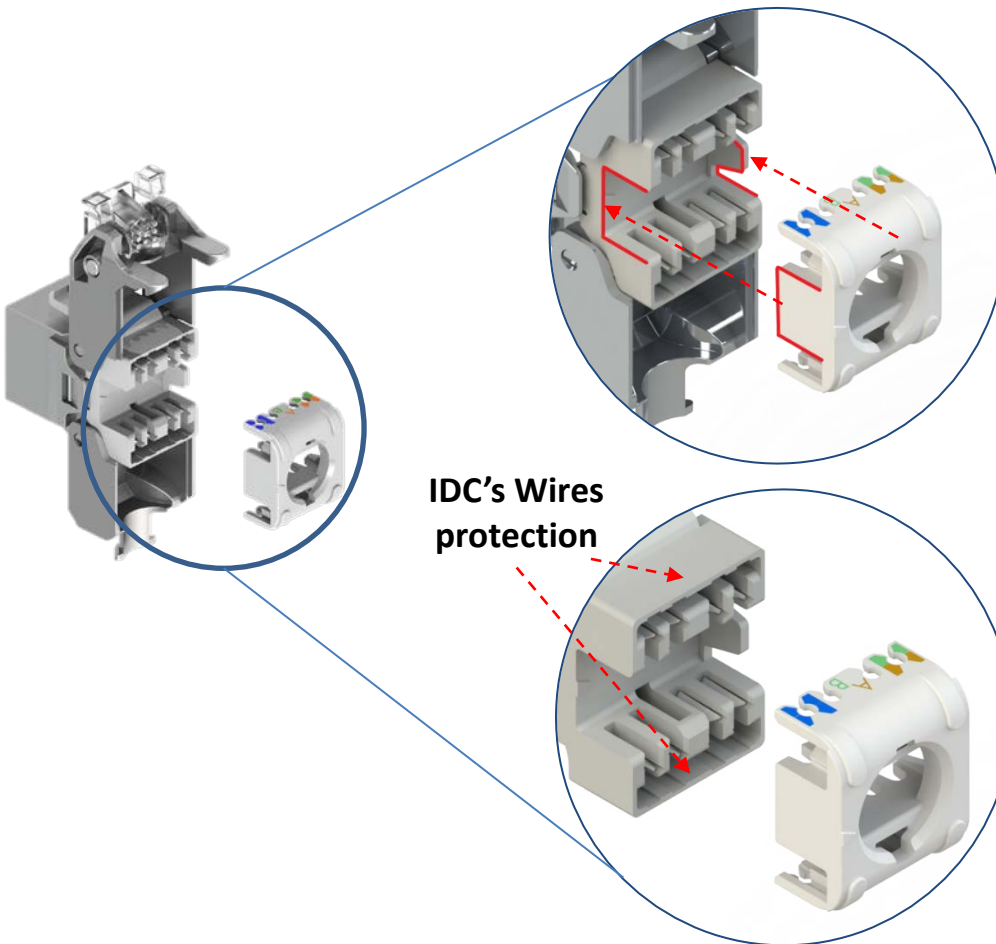
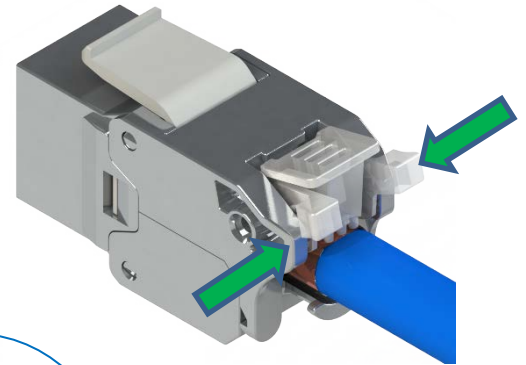
Cable-Clamper, for connecting the shield

- Press the Cable- Clamper from top side to connect the Drain-Wire and Copper-Foil with the Shield's holder.



Cable-Clamper, for connecting the shield

- Press the Cable-Clamper from both side to release the Cable.



Feature-Proofing

- Feature-Proofing IDC-Cap design guarantee the direction of IDC-Cap when installation, saving for the installing cost.

IDC's Wires protection

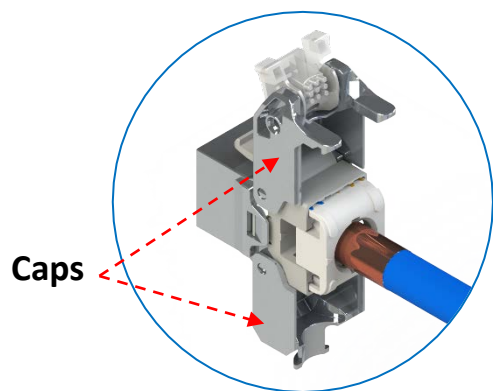
- Wires protection design for the IDC housing improved the Hi-Pot insulation performance.

Technical Data Sheet

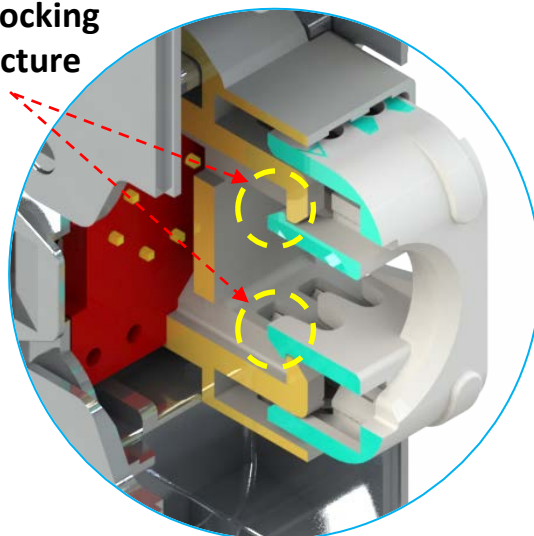
180 ° STP Connecting-Hardware Keystone Jack, Dust-Cap, Cable-Clamper

IDC-Cap Pre-Locking design

- Pre-Locking structure design between IDC-Cap and IDC housing, to ensure the IDC-Cap installed in right position when press and close these two Caps.



Pre-Locking structure



Compliances

- DELTA/FORCE verified the C6A connecting-hardware including the 4PPoE performance.
- UL1863 verified.





Compliance Statement

No. 2021-697

Connecting Hardware, Category 6A

Including 4 Pair Power over Ethernet (4PPoE)

(Un-mating connectors under electrical load of up to 2 A per conductor)

Company

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

Product description

Screened Category 6A RJ45 connector characterised up to 500 MHz, 100 Ω

Product identification

KJ68F-6A-F5

Generic cabling and cabling components standards - Category 6A connector requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 60603-7-51:2010
- EN 50173-1:2018 / EN 50173-2:2018
- TIA-568.2-D:2018
- IEC 60512-99-002:2019

Technical report

12133027-02, DANAK-19/22254

EC Cabling product ID

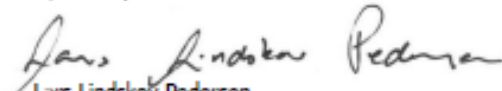
7278

CS valid until

1 October 2022

This product has been tested by FORCE Technology and complies with the electrical requirements of the above specified standards and "Terms and conditions for the EC VERIFIED programme for Generic and Coaxial Cabling", DQP231006. The testing included measurement of NEXT with a compliant test plug and calculation of all the 14 test cases in both measurement directions. The product takes part in a maintenance of certification schedule, which implies that FORCE Technology performs a quality audit of the manufacturer's production and QA sites. The maintenance testing of the product is performed on a sample basis once a year.

Hørsholm, 19 October 2021


Lars Lindskov Pedersen
Test Manager


Dennis Andersen
Head of Department



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