



Specification :

Material :

1. RJ45 jack :
  - 1-1. Housing : Zinc die-casting with nickel plating.
  - 1-2. Contact bracket : PC, UL94V-2, transparent color.
2. RJ45 jack contacts :
  - 2-1. Material : Phosphor bronze with nickel plating.
  - 2-2. Gold plating : 50 micro-inch gold plating on surface of plug contact area.
3. Grounding contacts : Stainless steel.
4. Shutter : ABS+PC, UL94V-0, white color.
5. Cap A&B : Zinc die-casting with nickel plating.
6. IDC :
  - 6-1. Housing : PC, UL94V-2, grey color(RAL7035).
  - 6-2. Terminal : Phosphor bronze with tin plating.
7. Cap : PC, UL94V-2, white color.
8. PCB : FR4, UL94V-0.

Features & performance :

- a. Compliant with the ANSI/TIA-568.2-D Cat.6 requirement.
  - b. Compliant with the IEC60603-7-1 dimension & reliability requirement.
  - c. T568A & T568B wiring.
  - d. Life (Mating cycles): Min. 750 cycles.
  - e. Mating & un-mating force: Max. 30 N.
  - f. Retention strength: 7.7 kg between jack & plug.
  - g. Wire conductor range: Solid and stranded, 23-26 AWG.
  - h. Cable OD range: 5.0-8.5 mm.
  - i. IDC re-installing cycles: Min. 20 cycles.
  - j. Operating temperature: -10°C to+60°C.
- Note: The mated plug should compliant with the IEC60603-7-1 requirement.

|  |          |                        |        |                           |                          |
|--|----------|------------------------|--------|---------------------------|--------------------------|
| GENERAL TOLERANCE OF DIMENSIONS<br>X.XXX ±0.1<br>X.XX ±0.2<br>X.X ±0.3 | DRAWING  | 31.MAR.2023            | WENJUN |                           |                          |
|  | CHECK    | 31.MAR.2023            | JANE   |                           |                          |
|  | APPROVAL | 31.MAR.2023            | FRANK  |                           |                          |
|  | DATE     |                        | NAME   | ITEM NO.: TD6025          |                          |
| SCALE  |          | 1/1 (A4)               | UNIT   | mm                        | DES.: KJ66F-C6-FS-D(SA1) |
| HSF Spec.  |          | DRAWING NO.            |        | TD6025-KJ66F-C6-FS-D(SA1) |                          |
| ROHS   |          | DRAWING CLASSIFICATION |        | S                         | SHEET 1 OF 1             |