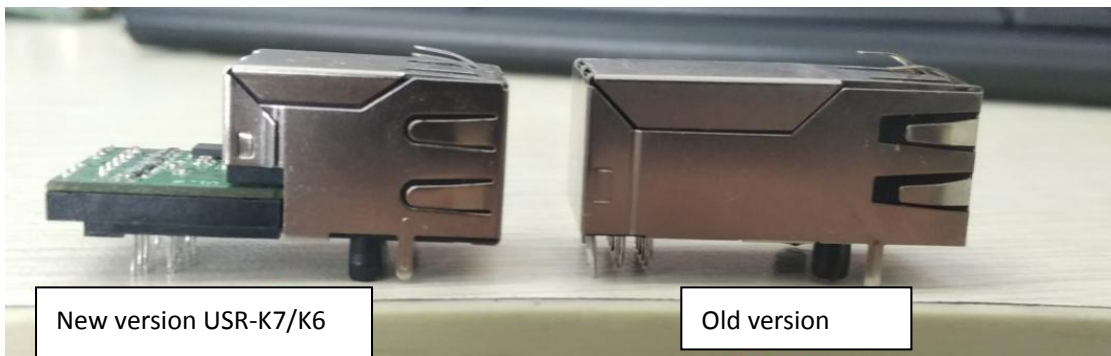


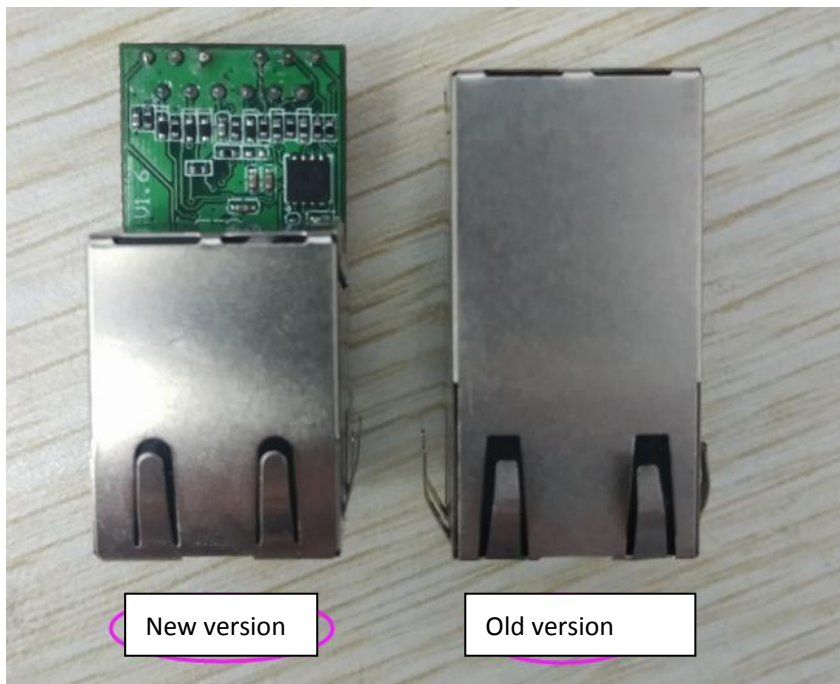
Difference between New version and Old version

1. Functions are totally compatible
New version: USR-K7, USR-K6
Old version: USR-K3, USR-K2
2. Main differences:
 - ① Appearance difference: as below pictures.
 - ② Size: New version is 2mm longer than old version.
 - ③ New version USR-K7 (Can replace USR-K3) deletes the Network interface indicator light pins. Other pins are compatible with original ones.
3. Appearance and size comparison

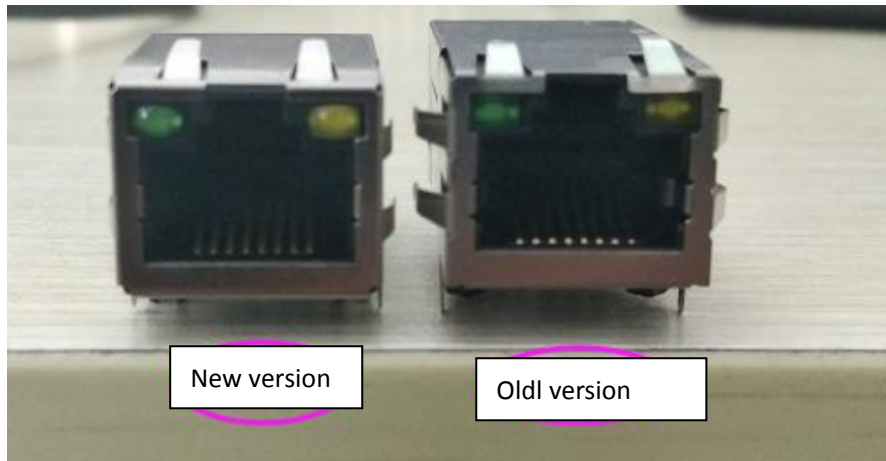
Side view:



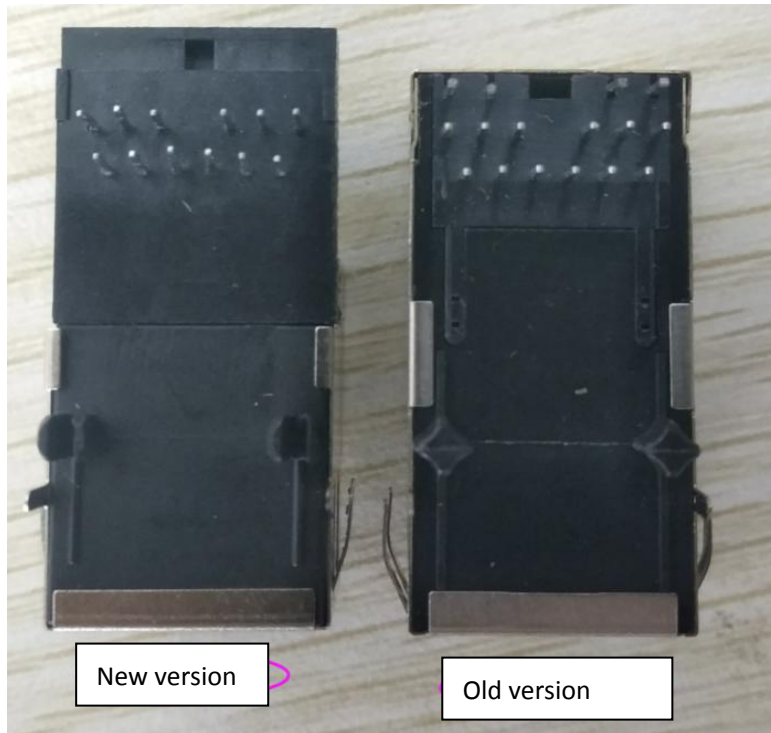
Top view:



Front view:

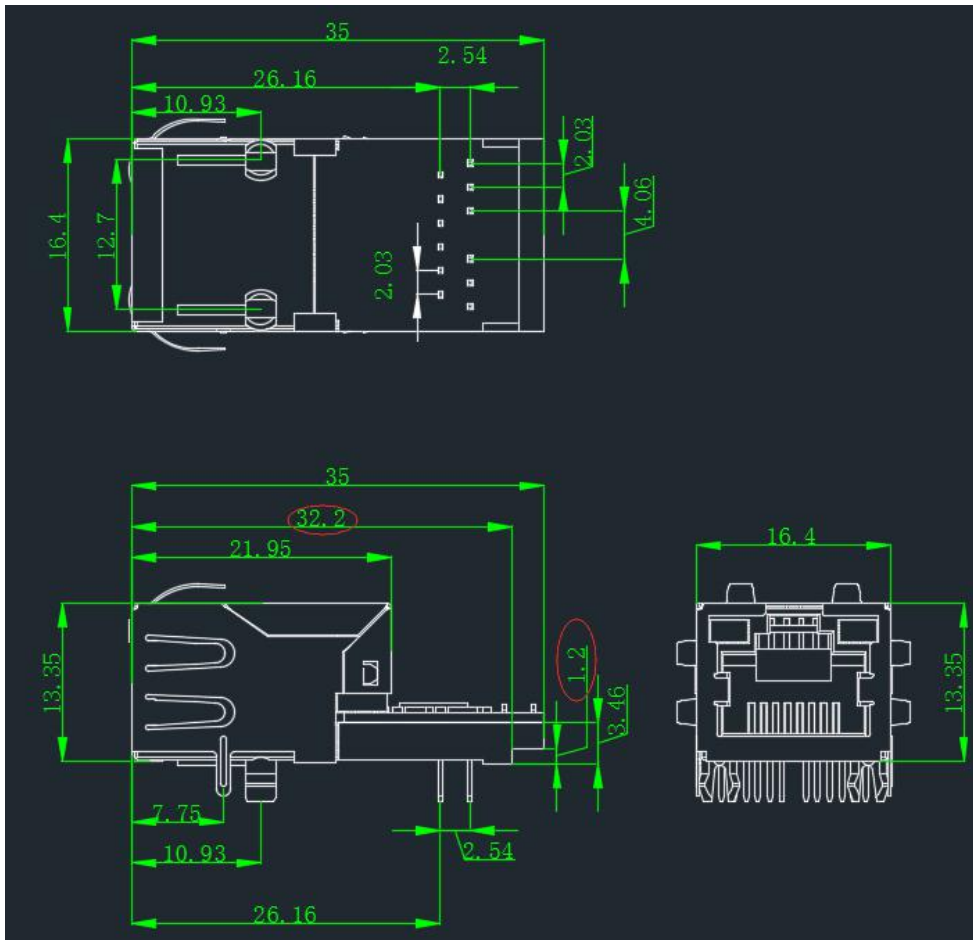


Bottom view:

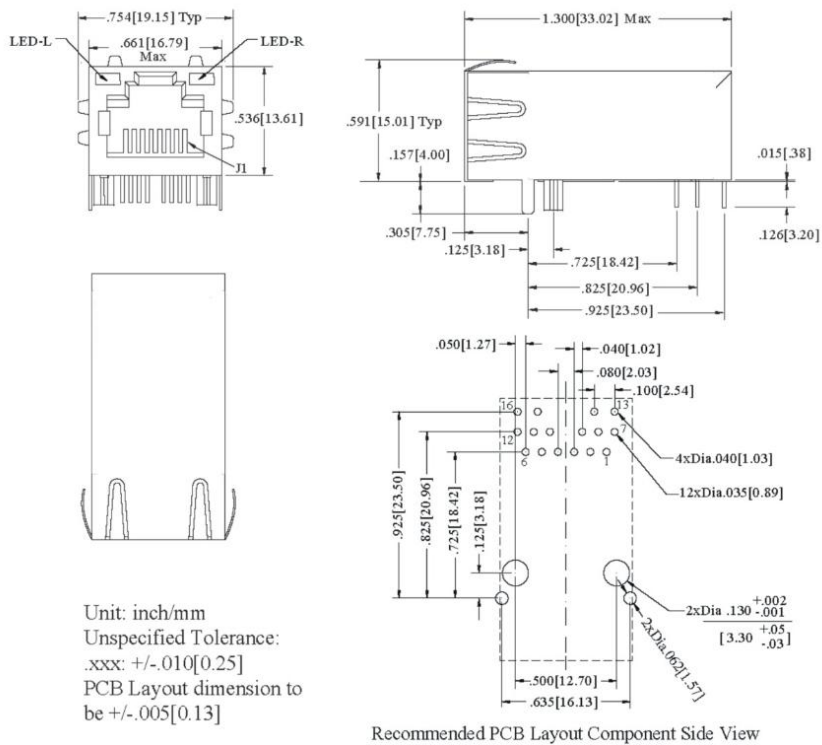


2mm longer than old ones

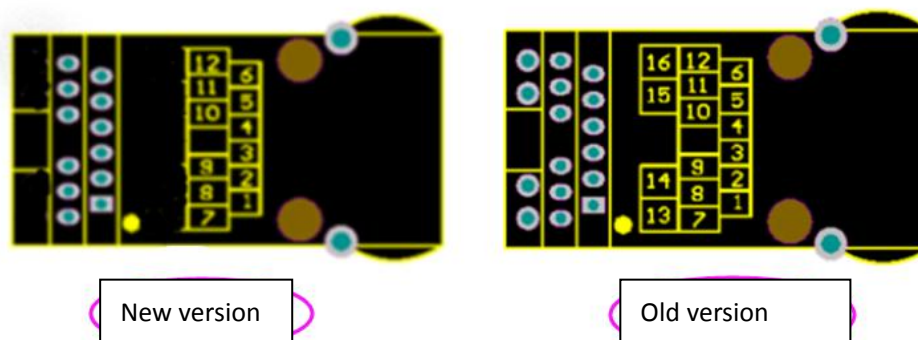
New version K7/K6 hardware design drawing:



Old version K3/K2 hardware design drawing:



4. Hardware pins comparison



Note: New version K7 deletes the pin 13, 14, 15, 16 ---the external power supply pins. It use internal power supply for the network indicator lights.

PIN	Name	Signal Type	Definition
1	NC	NC	Not available
2	NC	NC	Not available
3	CTS	I	Can be used as hardware flow control CTS pin (Clear to send). Default not available.
4	RST	I	Inputting low level over 300ms to reset the module
5	RTS	O	Can be used as hardware flow control RTS pin (request to send). Default is RS485 receive/send controlling pin, high level to send.
6	Reload	I	After module powering off, pulling down Reload pin to 0V, then powering up, keeping Reload pin 0V over five seconds and pull up Reload pin(3.3V), module will restore default settings. Reload pin connects to internal 10K Ohm pull-up resistor.
7	LED_DATA+	O	Ethernet interface LED_DATA+ pin
8	RXD	I	Serial port receiving pin(3.3V, TTL level)
9	TXD	O	Serial port transmitting pin(3.3V, TTL level)
10	GND	P	Power ground
11	VCC	P	3.3V VCC
12	LED_LINK+	O	Ethernet interface LED_LINK+ pin
13	LED_DATA-	O	Ethernet interface LED_DATA- pin
14	LED_3V3	P	Power supply pin for Ethernet interface LED
15	LED_3V3	P	Power supply pin for Ethernet interface LED
16	LED_LINK-	O	Ethernet interface LED_LINK- pin

Note:

P indicates power pin

I indicates input pin

O indicate output pin

I/O indicate input and output pin

- About LED1 and LED2, the module has add 1K resistor internally, so customer don't need to add extra current limiting resistor.
- Pin 7 and pin 12 both are Microcontroller signal foot lead
- Pin 13 and pin 16 are negative pole of LED.