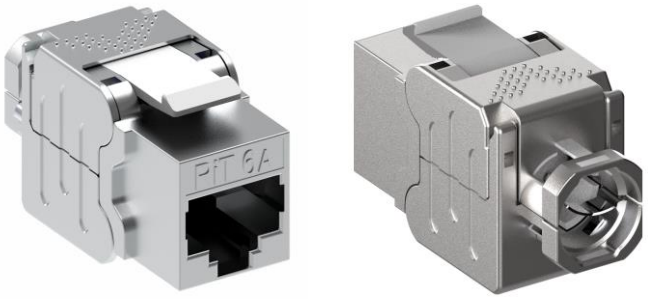
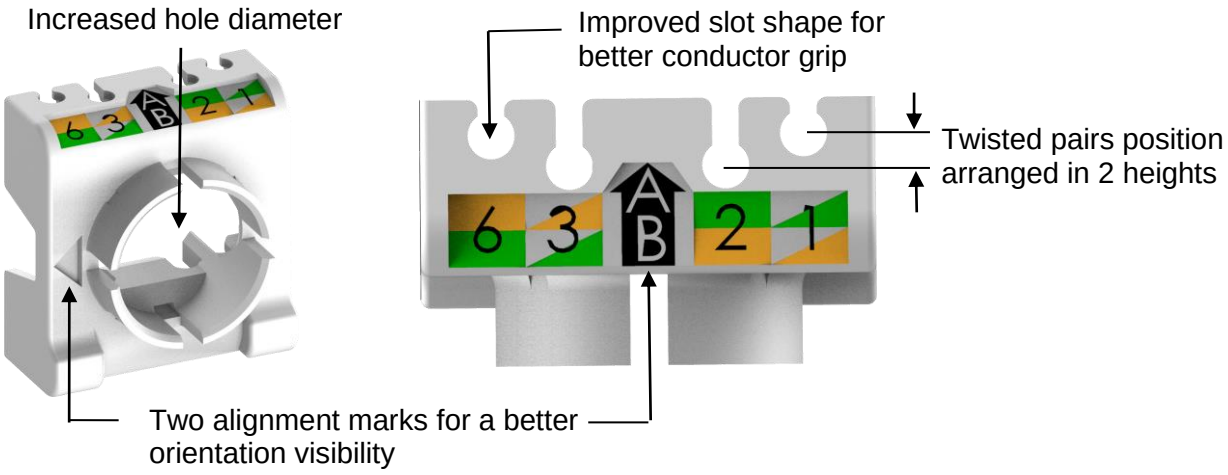
Tech Notes for the new CAT6A STP Keystone Jack RIT P/N R3110682D



The list below summarizes the new features and improvements implemented in the design of Rit's new CAT6A STP Keystone Jack RIT P/N R3110682D

1. The cup is optimized to fit 22-23 AWG solid cables with increased hole diameter to fit cables with up to 9.0mm outer diameter.
2. Improved slot shape for a better grip of conductors during twisted pair routing stage.
3. The cup color coding reduces the number of twisted pair crossover routing from 2 to 1.
4. 2 alignment marks on the cup for better cup orientation during the assembly process.



5. Ultra sharp IDC blades together with each twisted pair position arranged in 2 heights reduces the force needed for the final hand termination of the keystone.
6. For better protection against electric shortcuts between wires and the metal rear wings, two plastic protection walls were added to the IDC housing.
7. The new design reduces the force needed for the final hand termination of the keystone.
8. Adding an assembly step of pre-snapping the cup onto the IDC housing enables the installer to leave the jack in this position without the fear of cup and cable detachment.
9. Adding a slot opening for the cable-tie in the rear wings which is precisely sized to fit the cable-tie included in the keystone kit, prevents the cable-tie from falling out during assembly.
10. Both metal clamping wings have shield and strain relief flanges secured by a cable tie. This design prevents the wings from opening even when the cable is pulled strongly.
11. The special chamfers on the wings to enables an easy opening of the keystone for repair.
12. Performance tests conducted by third-party laboratories show that the new keystones offer significantly better performance.