

Stewart Connector's SS-60300 Series CAT6a jacks are designed for use in CAT6a patch panels and wall outlets in premise wiring systems. Engineered to meet the 500 MHz requirements of the CAT6a specifications, the SS-60300 jacks provide a higher level of compensation to reach defined performance levels.

Stewart's patented design utilizes a flexible circuit board placed in close proximity to the modular plug/jack interface which provides capacitive compensation. Having the compensation close to the plug/jack interface helps to cancel the NEXT introduced to the jack from the modular plug. This makes further compensation to CAT6a on the main PCB much easier. The Stewart design incorporating the flex circuit board still enables our jacks to maintain standard modular connector contact designs ensuring mechanical reliability.

## Features & Benefits

- Easily compensated to CAT6a performance levels through an integrated flexible circuit board design (patented)
- Flexible PCB design helps cancel Near End Cross Talk (NEXT) at the plug/jack interface
- Design utilizes unique features to meet technical requirements of CAT6a
- 45 degree, 90 degree, and 180 degree shielded and unshielded versions available
- Minimal secondary compensation required due to the jack's construction
- Selectively plated contacts with 50 micro-inches of gold
- Designed for use in 10Gigabit Ethernet applications
- UL 94-V0 plastic components
- Wave solder compatible
- RoHS compliant

Part Number	Orientation	Shield Type
SS-60300-014	180 Degree	Panel Grounds
SS-60300-016	180 Degree	No Panel Grounds
SS-60300-017	180 Degree	Unshielded
SS-60300-002	90 Degree	Panel Grounds
SS-60300-004	90 Degree	No Panel Grounds
SS-60300-021	90 Degree	Unshielded
SS-60300-023	45 Degree	Panel Grounds
SS-60300-024	45 Degree	No Panel Grounds



45 degree, 90 degree, and 180 degree designs available in shielded and unshielded versions.

# CAT6a Jack Application Performance

