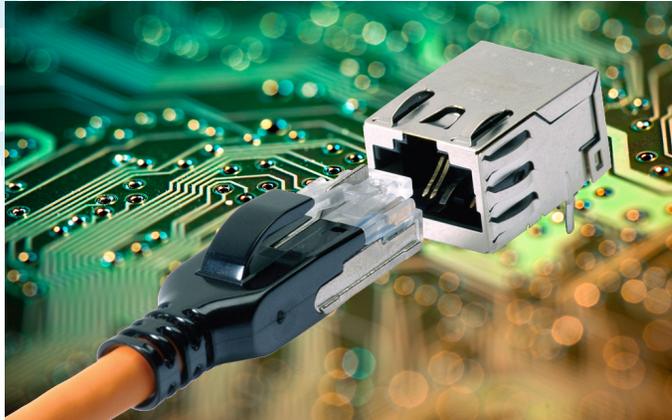


ARJ45® Category 7a Connectors



The ARJ45® is Stewart's family of connectors for Category 7 and Category 7a premise wiring systems deployed in 10GBase-T Ethernet and higher speed data transmission environments. This connector family consists of a cable-mounted plug and a single-port, PCB-mounted jack designed to meet Category 7a performance standards up to 1000 MHz as defined by the IEC60603-7-71. Additionally, the ARJ45® can be used as a high speed connector replacement for closed loop applications currently using less economical connector types.

Stewart's ARJ45® connector systems provide a competitive advantage in that they are built on the proven reliability of standard RJ45 interface mechanics which have been enhanced to support increased Category 7a data speeds. In addition, the ARJ45® connectors are interface-compatible with the Nexans' GG45 connector system. This makes the ARJ45® / GG45 connector system a proven intermatable connector solution for Category 7 and Category 7a that is commercially available today from two independent manufacturing sources.

Key Features & Benefits

- Meets IEC 60603-7-71 standard for Category 7a performance up to 1000 MHz
- Meets IEC 60603-7-7 standard for Category 7 performance up to 600 MHz
- Performance capability up to 3GHz
- Meets the industry standard mechanical interface as defined by IEC 61076-3-110
- Interface compatible with the Nexans' GG45 connectors
- Right angle PCB jack available for Category 7a patch panel designs and high speed active equipment applications
- Uses data transmission pair isolation techniques to achieve high frequency performance
- Plug design includes a built-in strain relief boot as well as an anti-srag feature for plug tab protection

ARJ45® Jack

Part Number	Description
SS-77100-004	Single port, horizontal, and shielded

ARJ45® Cable Assemblies

Part Number	Description
CA77-010M0-2	10 meter cable assembly
CA77-007M0-2	7 meter cable assembly
CA77-005M0-2	5 meter cable assembly
CA77-003M0-2	3 meter cable assembly
CA77-002M0-2	2 meter cable assembly
CA77-001M0-2	1 meter cable assembly

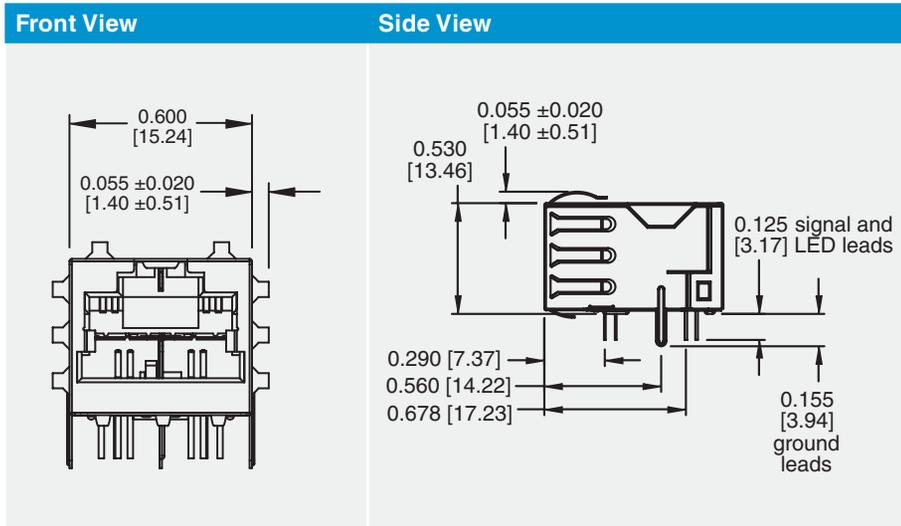


Stewart Connector
11118 Susquehanna Trail South
Glen Rock, PA 17327-9199 USA

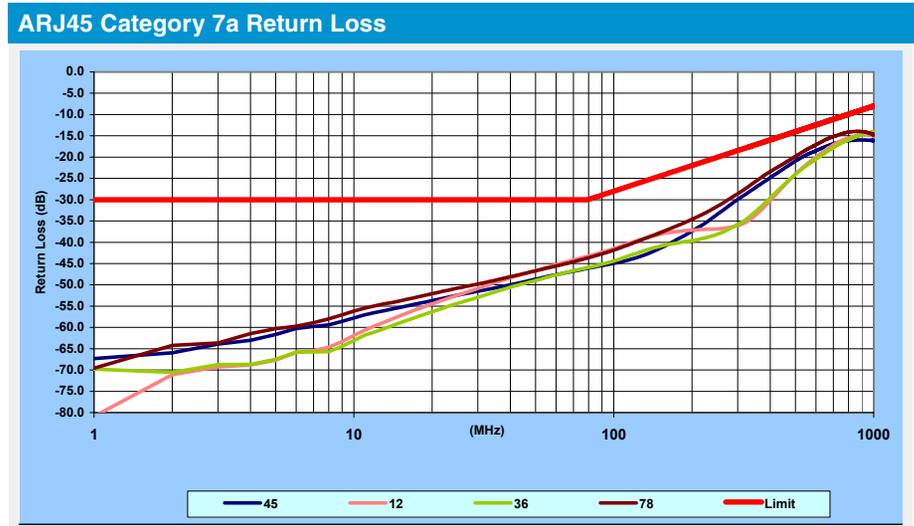
+1 717.235.7512
techhelp@belf.com
stewartconnector.com

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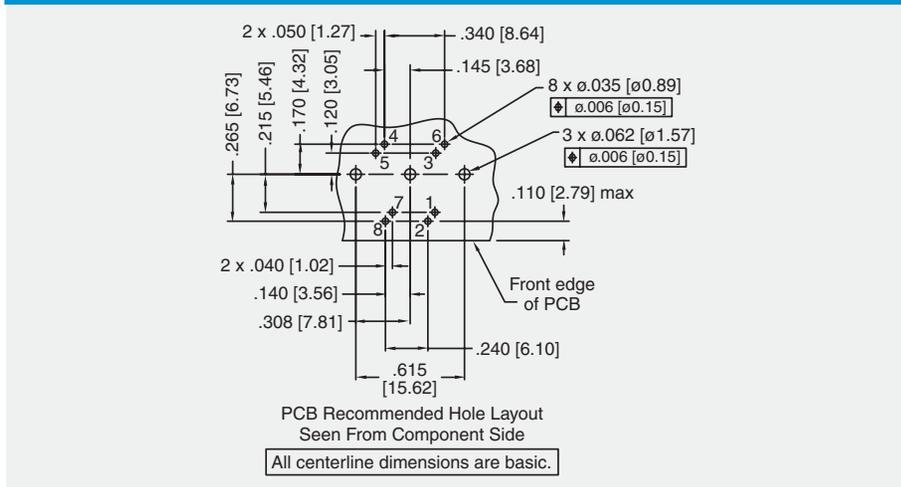
Typical Mechanical Dimensions of ARJ45® PCB Jacks



ARJ45® Category 7a Application Performance Data



PCB Recommended Hole Layout



ARJ45 Category 7a Mated NEXT

