



Description

HCS DataLink 500A patented unshielded copper RJ-45 keystone jack series includes high performance Category 6A snap-in 8-position/8-contact (8P8C) jacks conforming to IEC 60603-7-41 (unshielded 500 MHz connectors).

HCS DataLink 500A jacks are designed for fast and easy snap-in and out of wall plates, patch panels and surface box outlets. All HCS DataLink 500A jacks are designed in a 90° formation and are available with back interconnection of 110 IDC blocks in universal pin/pair assignment.

All jacks fully conform to and provide a substantial margin above all ANSI/TIA-568.2-D and IEC 60603-7-41 component requirements, tested at the component level.

The HCS Logo and the DataLink 500A Trademark ensure long lasting high-performance and full support of all present and emerging applications, including 10GBASE-T (10 Gigabit-Ethernet).

Applications

HCS DataLink 500A unshielded copper RJ-45 keystone jacks are used in wall outlets, standard 16 Port 1U or staggered 24 Port 1U blank patch panels and surface box outlets and they fully support all presently available LAN applications, including the following protocols:

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|--|---|---|
| <input checked="" type="checkbox"/> 10GBASE-T 10 Gigabit Ethernet (IEEE 802.3an) | <input checked="" type="checkbox"/> 100BASE-T4 | <input checked="" type="checkbox"/> Token Ring 4 Mbps and 16 Mbps |
| <input checked="" type="checkbox"/> 1000BASE-T Gigabit Ethernet | <input checked="" type="checkbox"/> 100BASE-TX | <input checked="" type="checkbox"/> Broadband and Baseband Video |
| <input checked="" type="checkbox"/> ATM 155 | <input checked="" type="checkbox"/> Token Ring 100 Mbps | <input checked="" type="checkbox"/> ISDN Basic and Primary Access |
| <input checked="" type="checkbox"/> TP-PMD | <input checked="" type="checkbox"/> ATM 52 | <input checked="" type="checkbox"/> 1BASE-5 Starlan |
| <input checked="" type="checkbox"/> 100BASE-T Fast Ethernet | <input checked="" type="checkbox"/> ATM 25 | <input checked="" type="checkbox"/> ISALAN |
| <input checked="" type="checkbox"/> 100BASE-T2 | <input checked="" type="checkbox"/> 10BASE-T Ethernet | <input checked="" type="checkbox"/> ITU V.21 and X.11 |

Qualifications and Approvals

HCS DataLink 500A jacks are supported by the Century™ Lifetime Warranty and by the DoubleSafe™ QA program as a part of complete HCS cabling system. HCS DataLink 500A jacks are tested and verified at the component level. They comply to IEC 60603-7-41 (8-way, unshielded, free and fixed connectors, for data transmission with frequencies up to 500 MHz) and to the following standards:

TRANSMISSION	EMC	SAFETY
<input checked="" type="checkbox"/> ANSI/TIA-568.2-D	<input checked="" type="checkbox"/> EN-55022, Class B (Europa)	<input checked="" type="checkbox"/> UL94 V-0 rated plastic materials
<input checked="" type="checkbox"/> ISO/IEC-11801	<input checked="" type="checkbox"/> FCC Part 15, Subpart J, Class A (USA)	<input checked="" type="checkbox"/> Zero-halogen in LSOH constructions.

Benefits & Features

- Exceptional material properties and design - Providing a unique Century™ Lifetime Warranty.
- Patented 90° design - Providing easier access, better and faster wire connection.
- Detailed installation manual in English and Turkish - Providing clear and comprehensive instructions.
- Exceeding Category 6A performance - Providing full support to 10 Gigabit Ethernet.
- Robust and installer-friendly design - Providing reduced installation and operating costs
- Compatible with 22-26 AWG solid or stranded conductors - Providing support to a wider range of cabling types.
- Available in T568A, T568B or Universal pin/pair assignment - Providing a wider product range.
- Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

GENERAL PROPERTIES

Housing Material	High impact, Flame-retardant plastic compound, UL 94 V-0.
Jack Contacts Spring Material	High strength phosphor bronze or beryllium copper alloy.
Jack Contacts Plating	1.27 µm gold plating over 2.5 µm nickel or palladium nickel gold composite.
IDC Contacts Material	High strength phosphor bronze or beryllium copper alloy.
IDC Contacts Plating	Tin/lead composite, 5µm min. thickness.
Operating Environmental Conditions	0 to +60C at 5-95% RH (Non condensing)
Storage Environmental Conditions	-40 to +66C at 5-95% RH (Non condensing)
Packaging	75 units per box.
Plug to Jack Retention Force	49N min.
Plug to Jack Mating Force	9N max. for 8 wire jack.
Terminated Wire Retention Force	Axial pullout force: 9N min. Normal pullout force: 44N min
Insertion/Extraction Durability	750 mating cycles conforming to IEC 60603-7 Level A durability.
IDC Termination Durability	200 terminations min. acc to TIA/EIA 568B.2 requirements.
Conductor Compatibility Range	22 to 26 AWG, solid or stranded
Standard Color	White RAL 1013. Other colors available upon request.