



AT LJ 2001, AT LJ 2002 : Specifications

This product meets the requirement of ISO standard & consequently the technical specification laid down by the **BRITISH STANDARDS**. This standard specifies requirements for Dimensions, Mechanical & Electrical performance and Tests for plugs suitable for connecting telecommunications apparatus to telecommunications system through a socket. Compatibility between the Plug & the BT jack & to ensure that access by hand to the electrical connections is prevented when plug and socket have made electrical contact.

Ordering Specification	British Standard Spec
Description	Single Master Line Jack Unit / Single Secondary Line Jack Unit
Part number	AT LJ 2001 / AT LJ 2002
Overall dimension	86 X 86 X 30 in mm {L X W X H}

The Single Master Line Jack & Single Secondary Line Jack Unit has two primary parts

- Female connector unit called the Line Jack Unit Socket to BT 601 A specification
- Telephone cord connector with BS6312 – 1985 plug

Single Master Line Jack Unit consists of a to f & Single Secondary Line Jack Unit consists of d to f

The unit comprises of printed circuit board made up of Glass Epoxy on which electronic components are mounted.

- Capacitor – 1.8 Micro farad
- Resistor – 470 K Ohms
- Surge voltage protection device to K – 12 Internal Specification
  - Screw type terminal block – 5.08 mm Pitch (2 nos)
- Socket outlet enabling the unit to be connected to a telephone or other equipment
- Contact material Phosphor Bronze wire 0.45 mm X 0.65 mm with Gold plating – 1.27 Microns

ABS plastic front cover assembly which contains a spring loaded shutter assembly to prevent ingress of dust and insects. To complete the assembly, a back box is provided enabling the unit to be mounted on a wall or other suitable fixture.

Mechanical Properties	Features
•Plug Retention Strength – More than 76 Newtons (7.7 Kgs)	•Anty slip connection •Flush & Surface mounting

<ul style="list-style-type: none"> <li>•Mating Force – Less than 750 grams</li> <li>•Contact Pressure – More than 100 Grams</li> <li>•Sliding Door: More than 2000 operations functions normal</li> <li>•Effectiveness of the Contact: 1000 Insertions &amp; Extraction Voltage Drop across the contacts is less than 100 mv</li> </ul>	<ul style="list-style-type: none"> <li>•Termination with anti – slip arrangement</li> <li>•Spring Loaded Shutter</li> </ul>
<b>Electrical Properties</b> <ul style="list-style-type: none"> <li>•Insulation Resistance: Greater than 100 M Ohms</li> <li>•Dielectric strength: should withstand 11 KV rms</li> <li>•Contact Resistance: less than 100 m Ohms</li> </ul>	<b>Environmental Conditions</b> <ul style="list-style-type: none"> <li>•Storage : - 40 to + 90° C</li> <li>•Operational : - 20 to + 80° C</li> <li>•Humidity : - 95 % Relative Humidity</li> </ul>



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