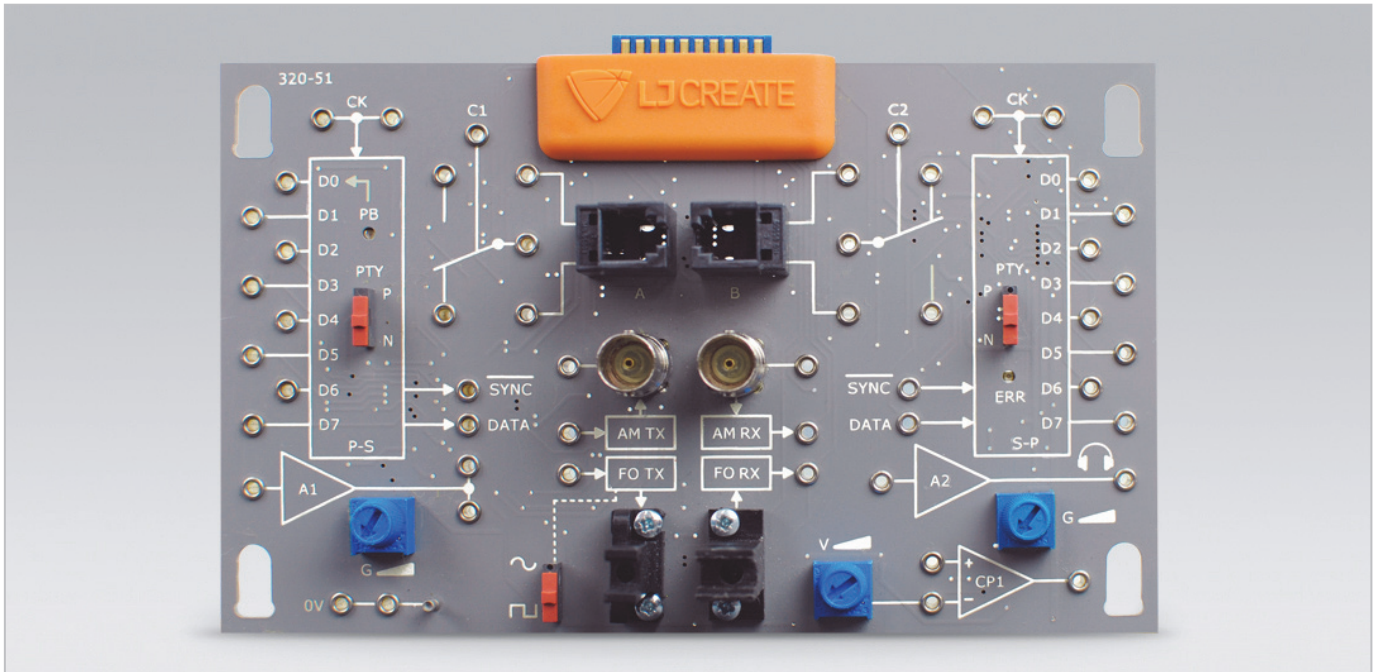


# Product Information Sheet

## Electronic Communications Card



This practical resource introduces students to the principles of electronic communication systems through a range of practical activities.

The card is designed for use with the Electronics Study Trainer (320-00).

Practical activities based around this card are available within the digital curriculum materials provided with the Electronics Study Trainer.

The card may also be used with our optional cloud-based software. This contains theory presentations, investigations, and assessments, which link directly to the practical activities carried out using this resource.

### The Card Includes the Following:

- AM transmitter/receiver
- Fibre optic transmitter/receiver
- Parallel/serial and serial/parallel converters
- Parity generation and detection
- Voltage amplifier, audio amplifier and voltage comparator
- Analogue switches
- UTP, coaxial and fibre optic cables and connectors
- Switched faults for fault-finding activities

### Practical Tasks Include the Following:

- AM transmission
- Optical transmission
- Simplex and duplex transmission
- Digital data transmission
- Transmission protocols
- Handshaking and flow control
- Fault-finding electronic systems

### Items Included:

- Circuit Card and Cables

### Other Items Required:

- Electronics Study Trainer (320-00)
- Digital Multimeter
- Dual Trace Oscilloscope

### General Information:

Card Dimensions:  
160 x 100 x 35 mm (W, H, D)

Packaging:  
Orders for multiple 320-series cards are shipped in storage boxes.

Shipping Volume:  
Single card: 0.001 m<sup>3</sup>  
Storage box: 0.015 m<sup>3</sup>

Shipping Weight:  
Single card: 0.3 kg  
Storage box: 0.5 kg

Please contact LJ Create for estimated shipping volume and weight for your specific order requirements.

**Order Code: 320-51**

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**For more information visit [www.ljcreate.com](http://www.ljcreate.com)**