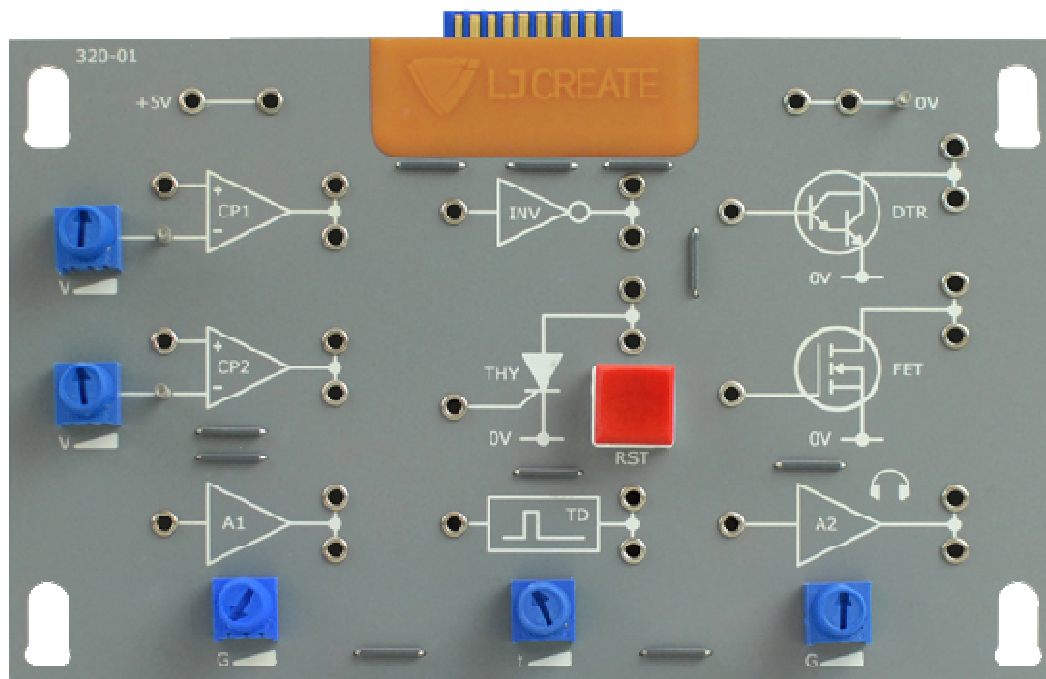


Product Information Sheet

320-01 Electronic Systems



This practical resource introduces students to the principles of electronic systems through the interconnection of a variety of input, process and output subsystems.

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

Practical activities based around this card are provided on the digital curriculum disk provided with the 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:

- Two comparators with adjustable reference voltages
- Voltage amplifier with adjustable gain
- Logic inverter
- Darlington transistor
- Thyristor
- Field effect transistor (FET)
- Adjustable time delay
- Audio amplifier
- Switched faults for fault-finding activities

Practical Tasks Include the Following:

- Investigation of sub-systems
- Darlington Pair and FET investigation
- Thyristor investigation
- Automatic lighting system project
- Baby alarm system project
- Intruder alarm system project
- Fire alarm system project
- Testing and fault-finding

Items Included:

- Circuit Card

Other Items Required:

- 320-00 Electronics Study Trainer
- 2 Digital Multimeters (2×DM1 or similar)

General Information:

Card Dimensions:
160 x 100 x 20 mm (W, H, D)

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

Shipping Volume:
Single card: 0.001 m³
Storage box: 0.015 m³

Shipping Weight:
Single card: 0.2 kg
Storage box: 0.5 kg

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

Order Code: 320-01

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For more information visit www.ljcreate.com