



Cambridge Assessment
International Education

Electrical and electronic symbols list

Cambridge IGCSE® and Cambridge IGCSE® (9–1) Design & Technology 0445, 0979

For examination from 2020.



Primary or secondary cell	Terminal	ac supply	Ammeter	Voltmeter	Motor
Junction of conductors	Double junction	Crossing of conductors with no electrical connection	Frame	Earth	Fuse
Coil Together make an SPDT relay	Single pole double throw switch	Switch	Break contact	Make contact spring return	Capacitor
Resistor	Variable resistor	Potentiometer	Thermistor	Light dependent resistor (LDR)	Polarised capacitor
Semiconductor diode	Light emitting diode (LED)	Photodiode	NPN transistor	PNP transistor	Operational amplifier
AND	NAND	OR	NOR	NOT (inverter)	Schmitt inverter
Microphone	Bell	Buzzer	Loudspeaker	Lamp	Heating element