

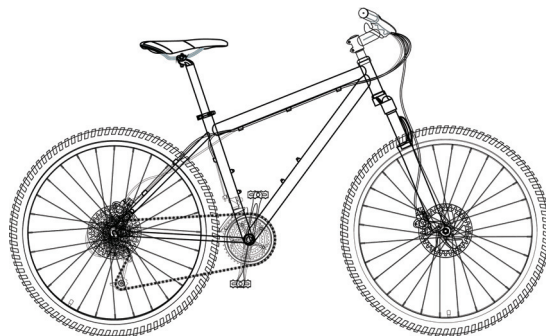








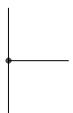


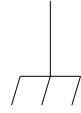


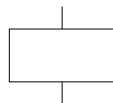
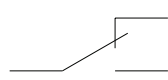



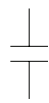

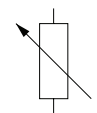
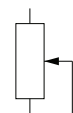
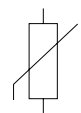
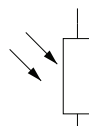
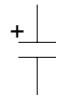
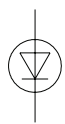
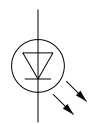
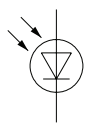
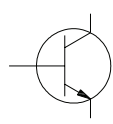
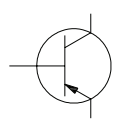
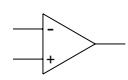
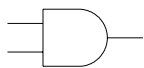
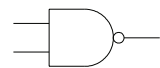

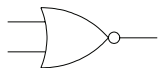
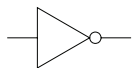
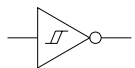
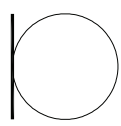
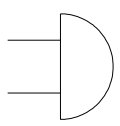
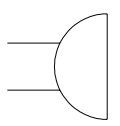
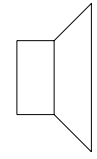
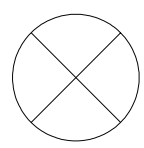

**Cambridge Assessment  
International Education**

# 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