
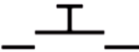
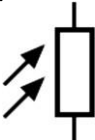











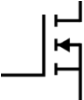




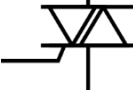




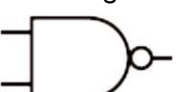

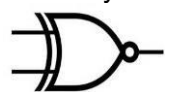

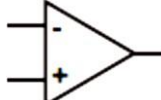







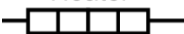

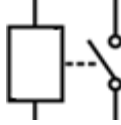


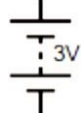

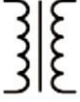


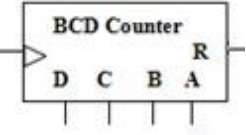
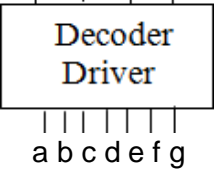
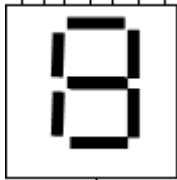
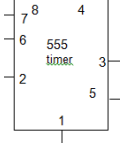
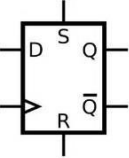
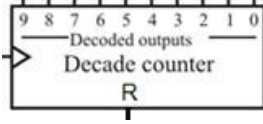
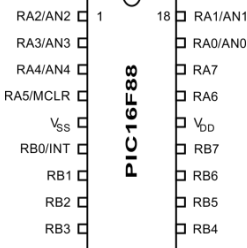
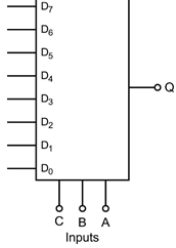
APPENDIX C

Electronic symbols


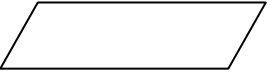

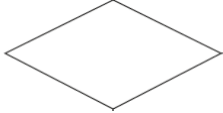
Learners should recognise and be able to use the following electronic symbols:

Switch (latching) 	Switch (non-latching) 	Light dependent resistor 	Thermistor 
Photodiode 	Microphone 	Variable resistor 	Potentiometer 
Resistor 	Capacitor 	Electrolytic capacitor 	Inductor 
NPN transistor 	PNP transistor 	N channel MOSFET 	Thyristor 
Diode 	Zener diode 	Diac 	Triac 
AND gate 	OR gate 	XOR gate 	NOT gate 
NAND gate 	NOR gate 	XNOR symbol 	Schmitt inverter 
Op-amp 	Ammeter 	Voltmeter 	Buzzer 
Light emitting diode 	Signal lamp 	Filament lamp 	Speaker 

<p>Heater</p> 	<p>Motor</p> 	<p>Relay</p> 	<p>Earth</p> 
<p>Cell</p> 	<p>Battery</p> 	<p>AC supply</p> 	<p>Transformer</p> 

<p>Binary counter</p> 	<p>Decoder driver</p> <p>A B C D</p> 	<p>7 segment display</p> 	<p>555 timer</p> 
<p>D type flip flop</p> 	<p>Decade counter</p> 	<p>Microcontroller</p> 	<p>Multiplexer</p> 

Circles can be put on S and R inputs for D types, and on CK and R inputs for counters (or bars over the letters) when inverted.

<p>Terminator</p> 	<p>Input/output</p> 	<p>Process</p> 	<p>Decision</p> 
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