

Sheet1

Description	Rapid electronics part number
Battery – 9 Volt PP3	18-4230
Breadboard – type with power strips top and bottom	34-0650
Battery Clip	18-0084
Bulb – wire ended, 12V 0.08A	41-0190
Insulated solid core wire	
100k resistor	62-0418
10k resistor	62-0394
1k resistor	62-0370
220R resistor	62-0354
Red LED 80mcd	56-0250
Diode 1N4178	47-3309
2N3704 Transistor	81-0272
100uF axial capacitor (15V or more)	11-2947
10uF axial capacitor (15V or more)	11-2941
22k resistor	62-0402
4k7 resistor	62-0386
47k resistor	62-0410
8 Ohm speaker	35-0130
470pF ceramic disk capacitor	08-0180
100nF ceramic disk capacitor	08-0235
10nF ceramic disk capacitor	08-0230
4017 Decade counter IC	83-0340
Soft Pencil	
Salt	

Resistors should be ¼ watt. Try and get ones with “four band” markings, not “five band”

Quantity per person

1
1
1
2

2
2
2
5
4
1
4
2
2
2
2
2
1
1
1
2
1
1

' (ie not from Maplin!)