

Project:

Talking Head

Issue: 14/05/2018

Part	Qty	Unit Price (£'s)	Cost (£'s)	Supplier	Comments
1N4006 Rectifier Diode 800V	7	£0.10	£0.69	ebay	Sunk cost
32 GB Micro SD Card Class10	1	£4.59	£4.59	DX	Can be re-used on other projects
47uF 16V Capacitors	4	£0.50	£1.98	ebay	Sunk cost
470uF 16V Capacitors	1	£0.10	£0.10	ebay	Sunk cost
8 ohm Speaker	1	£2.68	£2.68	ebay	Can be re-used on other projects
6mm Conductive copper tape, 20m	0.2	£0.28	£0.06	ebay	Sunk cost
Arduino MEGA	1	£6.71	£6.71	Amazon	Can be re-used on other projects
Batteries AA Rechargeable	6	£1.38	£8.28	Amazon	Can be re-used on other projects
Battery Box - 6 x AA	1	£0.99	£0.99	Amazon	Can be re-used on other projects
IR Receiver Module - TL1838	1	£0.99	£0.99	ebay	Can be re-used on other projects
LM386 Adjustable Audio Amplifier	1	£1.58	£1.58	ebay	Can be re-used on other projects
LED - Blue	1	£0.02	£0.02	ebay	Sunk cost
MG90S Metal Gear Servo	1	£1.91	£1.91	ebay	Can be re-used on other projects
SG90S Nylon Gear Servo	2	£1.10	£2.19	ebay	Can be re-used on other projects
Micro SD card reader, SPI interface	1	£1.47	£1.47	ebay	Can be re-used on other projects
Nylon M3 x 30mm C-Sunk screws	32	£0.07	£2.19	RS Components	Can be re-used on other projects
Resistors 1/4 W	1	£0.03	£0.03	RS Components	Sunk cost
RGB LED - WS2812B NeoPixel	7	£0.13	£0.88	ebay	Sunk cost
Ribbon Cable N-ways	10	£0.05	£0.50	ebay	Sunk cost
Ultrasonic Sensor HC-SR04	1	£1.62	£1.62	ebay	Can be re-used on other projects
Universal TV IR Remote	1	£1.00	£1.00	Poundland	Can be re-used on other projects
Veroboard, small piece	1	£0.99	£0.99	ebay	Sunk cost
Soft-melt Glue	1	£0.30	£0.30	Wilko	Sunk cost
1.75mm PLA Filament 1kg reel	0.5	£19.99	£10.00	ebay	Sunk cost
PVA Glue	1	£0.20	£0.20	Boys	Sunk cost
		Total:	£51.94		
		Re-use:	£36.20	Can be re-used on other projects	
		Sunk:	£15.74	Sunk cost	

Note:

use of ribbon cable for wiring is an estimate

consumeables like solder, flux, hook-up wire, etc are not included here, but are needed.

3-D printer is an estimate, but 1kg reel will do the job.