

Project:

Cube 8x8

Issued: 06/05/2021

Part	Qty	Unit Price (£'s)	Cost (£'s)	Supplier	Comments
1N4006 Rectifier Diode 800V	1	£0.08	£0.08	ebay	Sunk cost - cost per cm
2mm x 10mm Steel Pozi Screws	27	£0.03	£0.70	Amazon	Can be re-used on other projects
BH1750 Light Sensor I2C	1	£1.39	£1.39	ebay	Can be re-used on other projects
Button Switch 6x6x5mm 4 pin tactile	3	£0.02	£0.07	ebay	Multi-buy 100 pcs price
DC Power Socket 5.5mm Ø	1	£0.15	£0.15	ebay	Sunk cost
ESP32 Dev Kit ESP-WROOM-32S	1	£4.79	£4.79	ebay	Can be re-used on other projects
MAX4466 microphone GY-4466	1	£2.70	£2.70	ebay	Can be re-used on other projects
MPU-6050 3-axis accelerometer GY-521	1	£1.88	£1.88	ebay	Can be re-used on other projects
Pin Header Strips Female 1 x 40	3	£0.28	£0.02	ebay	Sunk cost
Pin Header Strips Male 1 x 40	1	£0.30	£0.01	ebay	Sunk cost
Resistors 1/4 W	2	£0.03	£0.05	RS Components	Sunk cost
Universal 5v power adapter 3A	1	£10.99	£10.99	Amazon	Can be re-used on other projects
WS2812B RGB LED	1	£0.99	£0.99	Amazon	Sunk cost
WS2812B 8x8 panel	5	£1.97	£9.85	AliExpress	Postage not included in price shown
Soft-melt Glue	1	£0.30	£0.30	Wilko	Sunk cost
1.75mm PLA Filament 1kg reel	0.125	£24.00	£3.00	3DPrintz	Sunk cost
2-part Epoxy glue	1	£1.00	£1.00	Poundland	Sunk cost
		Total:	£37.97		
		Re-use:	£22.48		Can be re-used on other projects
		Sunk:	£15.49		Sunk cost

Notes:

Prices are indicative. Bulk purchases may be required to achieve figures. ie. LEDs, screws, etc
 Consumables 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.