

Project:

Cube 8x8x5 HD

Issued: 03/12/2024

Part	Qty	Unit Price (£'s)	Cost (£'s)	Supplier	Comments	Link
2mm x 10mm Steel Pozi Screws - silver	8	£0.03	£0.21	ebay	Can be re-used on other projects	Link
Button Switch 6x6x5mm 4 pin tactile	3	£0.03	£0.09	Amazon	Sunk cost	Link
DC Power Socket 5.5mm Ø2.1	1	£0.38	£0.38	ebay	Sunk cost	Link
Dotstar High Density 8x 8 Matrix 64 Bit Rgb Led Pixel Screen	5	£3.28	£16.40	AliExpress	Sunk cost	Link
ESP32 C3 Zero Mini Development Board	1	£3.30	£3.30	PiHut	Can be re-used on other projects	Link
BH1750 Light Sensor I2C	1	£1.39	£1.39	Amazon	Can be re-used on other projects	Link
MAX4466 microphone GY-4466	1	£3.00	£3.00	Amazon	Can be re-used on other projects	Link
MPU-6050 3-axis accelerometer GY-521	1	£2.00	£2.00	Amazon	Can be re-used on other projects	Link
Pin Header Strips Male 1 x 40	1	£0.80	£0.80	ebay	Sunk cost	Link
Resistors 1/4 W	1	£0.03	£0.03	RS Components	Sunk cost	
1.75mm PLA Filament 1kg reel - Voxelab +/- 0.02mm	0.1	£14.00	£1.40	Amazon	Sunk cost	Link
2-part epoxy glue 30ml tubes - No Nonsense Epoxy	0.4	£3.90	£1.56	ScrewFix	Sunk cost	Link
Wire wrapping wire, 30AWG 8 colours, 250m spools	0.05	£8.00	£0.40	Amazon	Sunk cost - cost per spool	Link
			Total:	£30.95		
			Re-use:	£6.59	Can be re-used on other projects	
			Sunk:	£24.35	Sunk cost	

Notes:
Prices are indicative, postage not included. Bulk purchases may be required to achieve figures. ie. LEDs, screws, etc
Web links are used as a product search guide, may not be available long term
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 easily do the job.