

Embedding Sensors and Motors Specialization (MS-EE on Coursera) Hardware and Parts List

Vendor is Digikey, www.digikey.com

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Quantity	Part Number	Description	Unit Price USD	Extended Price USD	Supplier
1	428-3390-ND	PSOC 5LP PROTOTYPING KIT	14.96	14.96	Digikey
1	NHD-0216BZ-RN-YBW-ND	LCD MOD CHAR 2X16 NO REFL	8.75	8.75	Digikey
1	570-1229-ND	NTC THERMISTOR 10K OHM 10% DISC	1.04	1.04	Digikey
1	A105970CT-ND	RES 10.0K OHM 1/4W 0.1% AXIAL	0.68	0.68	Digikey
1	P14355-ND	STANDARD MOTOR 11605 RPM 5VDC	3.22	3.22	Digikey
1	FQU13N10LTU-ND	MOSFET N-CH 100V 10A IPAK	0.92	0.92	Digikey
3	N107-ND	AA BATTERIES, ALKALINE	0.50	1.50	Digikey
1	1N5393-E3/54GICT-ND	DIODE GEN PURP 200V 1.5A DO204AL	0.23	0.23	Digikey
1	RNF14FTD1K00CT-ND	RES 1K OHM 1/4W 1% AXIAL	0.10	0.10	Digikey
1	P0.62W-1BK-ND	RES 0.62 OHM 1W 5% AXIAL	0.27	0.27	Digikey
1	987-1188-ND	ENCODER 11MM ROTARY SW TOP ADJ	1.22	1.22	Digikey
2	CF14JT22K0CT-ND	RES 22K OHM 1/4W 5% AXIAL	0.10	0.20	Digikey
1	CF14JT100KCT-ND	RES 100K OHM 1/4W 5% AXIAL	0.10	0.10	Digikey
1	TAL221	Mini-load cell - 100g, straight bar	8.95	8.95	Sparkfun
2	493-15371-ND	CAP ALUM 4.7UF 10% 25V RADIAL	0.26	0.52	Digikey

Total Cost

42.14