

ITEM	PART NUMBER	MFG OR URL	DESCRIPTION	QTY	UNIT COST	EXTENDED COST	NOTES	BG INV
1	Y10-2800069A	JLPCPB	Rev B PCB	1	\$1.55	\$1.55	10 more boards on order 4/15/25	5
2	ATMega328P	https://www.digikey.com/en/products/detail/microchip-technology/ATMEGA328P-PU/1914589	Microcontroller, 28 pin DIP	1	\$2.89	\$2.89	I also have 5 non-P versions -- slightly higher power but they work fine.	4
3	Socket, 28 pin	https://www.amazon.com/uxcell-2-54mm-7-62mm-Soldering-Adaptor/dp/B07H3RP3JV/ref=sr_1_5?crid=P1F1KCA A3MFD&dib=eyJ2IjoiaMSJ9.DGj6a3ASDNEA4uRRhYaTgvp1S64k6TqjWKKNmubzGCLRyj_PUdZM9j_Vlgud_hnO9JrMjMdtxZ_yO0G7nVi8M7vuxTB_UOo7qlwnlEn1ThlboPaV3COU4RK2hHrZodWnQ5sTgnGz4HQdhPUHfRxxw2KXfZdHgG2wrHfeWkLYs1MahEdmNyZkX5PDTyATmnODv6ZC8hCcJhAyFBERcQ0ddxnjp02lr vBw1igXlTKa5hQ_5xl5LLIRF56biPLH8kMX2m6P4R6xadVWV7l_malk6qSE&dib_tag=se&keywords=28+pin+DIP+socket&qid=1744761481&srefix=28+pin+dip+socket%2Caps%2C183&sr=8-5	28 pin DIP socket	1	\$0.33	\$0.33	URL is for 20 pcs	5
4	74HC14N	https://www.digikey.com/en/products/detail/texas-instruments/SN74HC14N/277223	Hex CMOS inverter	1	\$0.89	\$0.89		3
5	Socket, 14 pin	https://www.amazon.com/uxcell-2-54mm-Soldering-Socket-Adaptor/dp/B07H3WQYRQ/ref=sr_1_3?crid=1MOWU630B2XJ&dib=eyJ2IjoiaMSJ9.94T419qrZ3OG5Sb46EAL-aU3pVoE1LwHUuFkKhaxR6vCGmxijUArKusNRUKvnlA-VRir2UGHYDCarszrOfulmSiIf-tBcoGowjmH3BneBflw08VRZCU3p-qD1gH5IPZfksUx-Th7oCV-gRJOAkPr0ZbPxcMwBGcvB7RXs0kBuCuzdddkaqe6pv aMmh19lIpAqmxTK9S_RUCmzYH04ki61MlibgpgspTph-IE0pbwvUJ.icjYUkQsbgvTHvpMFriUBUUr-fxbnpt2abpGHPsOCUZE&dib_tag=se&keywords=14+pin+DIP+socket&qid=1744761619&srefix=14+pin+dip+socket%2Caps%2C251&sr=8-3	14 pin DIP socket	1	\$0.17	\$0.17	URL is for 40 pcs	10
6	RYLR988	https://www.amazon.com/dp/B099RM1XMG?ref=px_yo2ov_dt_b_fed_asin_title https://www.amazon.com/Female-Headers-2-54mm-Single-Connector/dp/B08T67RT8P/ref=sr_1_6?content-id=amzn1.sym.a076e7cd-4184-4b7f-a3aa-6a57a7570e58%3Aamzn1.sym.a076e7cd-4184-4b7f-a3aa-6a57a7570e58&dib=eyJ2IjoiaMSJ9.W0nolfqcsOvUCsRPRR-wNZXfyVjreQHL2MnQAJ4EujfEKHJPAUFYlhJwSAATQqw8tPRzNHcj0S_ZDAC5sETHQPYatDXWzzP7P4BgHGg5l8uANKXhAUtszp2dP-MSwPQGuekFJzxb9frhymrgfgJAWerDD5t4o_6dezPiPo7uDh6ar0UxLD-688zkDWwRoDLLgyDu0ViZzyx46xEN1_ptV63gkwGy0X4fQwhRq40kiDrP_8gAjmt33ILFC4DRuA97B2REgJVWvVZKhVm77EkzLjznpqx-FmnRxQLEIo.TXHj_w6KZu4A8kWZA_GLvX_sk5QCdvBXxqjOEC565O0&dib_tag=se&keywords=5+pin+female+pin+header&pd_rd_r=d9221ee6-2e27-42cb-b58c-ec69ec3b9ae2&pd_rd_w=HnIr6&pd_rd_wg=DlvLf&qid=1744762468&sr=8-6	LoRa module, 915 MHz	1	\$12.60	\$12.60		1
7	5 pin connector	https://www.adafruit.com/product/724	5 pin female header, 90 degree	1	\$0.16	\$0.16	URL is for 50 pcs	35
8	terminal block, 2 pin	https://www.amazon.com/dp/B0DR2DPW59?ref=px_yo2ov_dt_b_fed_asin_title&th=1	2 pin, 3.5 mm terminal block	2	\$0.59	\$1.18	URL is for 5 pcs	7
9	pcb switch	https://www.amazon.com/dp/B01CGMP9GY/ref=sr_1_3?crid=1BT75HD7EH7HV&dib=eyJ2IjoiaMSJ9.JRdu5IlhRb13BSG3-	pcb slide switch	1	\$0.09	\$0.09	URL is for 80 switches	50
10	pushbutton switch	https://www.digikey.com/en/products/detail/stackpole-electronics-inc/CF14JT1M00/1741316	SPDT slide switch, 0.1 mm pitch	2	\$0.05	\$0.11	URL is for 100 pcs	30
11	male pin header	https://www.amazon.com/dp/B07R5QDL8D?ref=pp_x_yo2ov_dt_b_fed_asin_title	breakable male pin header, 40 pins, 2.54 mm	1	\$0.27	\$0.27	URL is for 20 strips, 40 pins each	10
12	resistor, 1 Mohm	https://www.digikey.com/en/products/detail/stackpole-electronics-inc/CF14JT1M00/1741316	1 Mohm, 1/4W, through hole resistor	1	\$0.10	\$0.10		5
13	resistor, 1 Kohm	https://www.digikey.com/en/products/detail/stackpole-electronics-inc/CF14JT1K00/1741314	1 Kohm, 1/4W, through hole resistor	1	\$0.10	\$0.10		40

	https://www.amazon.com/Diode-Lights-120Pcs-Emitting-Assorted/dp/B0BY28J7FC/ref=sr_1_3?crid=2B2NH0X87I7YB&dib=eyJ2ljoIJSJ9.8WP1nVzJPzDG(I7SNo1R80SaHOSEvImMOirUDrT-EwgddgNGQo4I_sllb-NFi8uv2Dh1srICfXzBWHq1kvGX4tpEbnjZXDxZiU8eeVkp-s4ikE12tjY0yF9U90AnTv6m9tkWqCMe8F2cgYOQu5T5sBXjVYDNLY-SFkwYlQ-vDdHWdIT6CYg4kvRYuNBcZLI-cU0hRjYm3nSuWYLFpttlyTpxvkG3-yLnN6QtUinsVpc.4ApmabSVR-ZXlwQNI7db_pofeolZTkj5VvqVkJDeO-vY&dib_tag=se&keywords=red%2Bled%2B3mm&qid=1744762661&sprexif=red%2Bled%2B3mm%2Caps%2C200&sr=8-3&th=1	Red LED, 3 mm Green backlit pushbutton switch, panel mount	1	\$0.04	\$0.04	URL is for 120 pcs	20
14 Red LED							
15 Backlit pushbutton	https://www.adafruit.com/product/1440		1	\$1.50	\$1.50		1
16 resistor, 330 ohm	https://www.digikey.com/en/products/detail/stackpole-electronics-inc/CF14JT330R/1741399	330 ohm, 1/4W, through hole resistor	2	\$0.10	\$0.20		11
17 capacitor, 100 uF	https://www.digikey.com/en/products/detail/rubicon/35YXJ100M6-3X11/3563127	100 uF electrolytic capacitor, 10 volt	1	\$0.20	\$0.20		20
18 capacitor, 0.1 uF	https://www.adafruit.com/product/753	0.1 uF ceramic capacitor, PCB	10	\$0.20	\$1.95	URL is for 10 pcs	11
19 battery holder	https://www.amazon.com/10Pcs-Battery-Holder-CR123A-Lithium/dp/B08RD1KQN3/ref=sr_1_1_pp?crid=1DO6I4W36NXP8&dib=eyJ2ljoIJSJ9.teHdlYV0axGtFP-cP1avPf7h8IDV440b4QXLsWiSEETKEKrtUkrK-HpRDwN4jXITBBLA0GRjkE35PV4vQvUpebKi3fuRVbeH0mKlAfZkvZeiQh5MNyY9QoTH6TeCB9N3-LZTDB4RAYLVbzILai-Lr8yBbOeQdnmwxl3hHAXRxzI58-XKznDxIBYJF7HNMNiy2viXwkWCiiVrFQpaQjilYxe83z9kGSFdi18mduijg.MOh2SZFfu496f5C8bGMVPcgCGmM5MKoxda1s8jlcvs&dib_tag=se&keywords=123A+battery+holder&qid=1744762563&sprexif=123a+battery+holder%2Caps%2C188&sr=8-1	PCB battery holder for 123A battery	1	\$0.80	\$0.80	URL is for 10 pcs	5
20 battery, 3 volts	https://www.amazon.com/dp/B08YJQYD5Z?ref=ppx_yo2ov_dt_b_fed_asin_title&th=1	CR123A lithium 3 volts battery.	1	\$1.97	\$1.97	URL is for 4 batteries	1
TOTAL =				\$27.10			