

Reference	Quantity	Value	Price per unit	Total cost	Footprint	Datasheet	Mouser/Lazada - Price/Stock
C28 C18 C17 C2 C15 C14 C8 C10 C9 C11 C6 C12 C1	13	1uf	₱8.90	₱115.70	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~	https://www.mouser.ph/ProductDetail/Murata-Electronics/GRM033R61A105ME15J/?qs=sGAEpiMZZMsh%252B1woXyUXP%252BPOAS4JE4Y%252BMpNUQBSYG4w%3D
C19	1	1nf	₱22.75	₱22.75	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~	https://www.mouser.ph/ProductDetail/KEMET/CAN06C102KARACTU/?qs=sGAEpiMZZMukHu%252BjC5i7YXWJ9xh2dCmVQAYydUpjDNE%3D
C20 C21	2	22uf	₱19.71	₱39.42	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~	https://www.mouser.ph/ProductDetail/Murata-Electronics/GRT188R61A226ME13D/?qs=rrS6PyT74d5NIMXLIYh8Q%3D%3D
C23 C24 C27 C26 C13 C7 C4 C22 C25	9	0.1uf	₱17.59	₱158.31	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~	https://www.mouser.ph/ProductDetail/AVX/I06033C104J4Z2A/?qs=sGAEpiMZZMukHu%252BjC5i7Yb5oPaw27JT5RcrfMVHbVeA%3D
C3	1	100uf	₱12.49	₱12.49	Capacitor_SMD:CP_Elec_8x10	~	https://www.mouser.ph/ProductDetail/Panasonic/EEU-FR1V101/?qs=tZGHB2PWd1L0siUY3G7%252Bg%3D%3D
C5 C16	2	10uf	₱18.20	₱36.40	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	~	https://www.mouser.ph/ProductDetail/Murata-Electronics/GRM188R61E106KA73D/?qs=sGAEpiMZZMukHu%252BjC5i7YUSokBdopA2i0LnqXmaUho%3D
D1 D7	2	SS34-E3_57T	₱29.32	₱58.64	SS34-E3_57T:DIOM7959X262N	https://www.mouser.ph/datasheet/2/427/ss32-1768383.pdf	https://www.mouser.ph/ProductDetail/Vishay-General-Semiconductor/SS34-E3-57T/?qs=%2Fha2pyFaduJn9Ru9GzPjJbEJablF1BueF88kD9Ne7vUU1NLQPyQHEQ%3D%3D
D2	1	GREEN_LED	₱15.97	₱15.97	LED_THT:LED_D3.0mm	~	https://www.mouser.ph/ProductDetail/Broadcom-Avago/HLMP-Y502-F0000/?qs=R5enTUWY33pgniDlu8Farw%3D%3D
D3	1	RED_LED	₱18.20	₱18.20	LED_THT:LED_D3.0mm	~	https://www.mouser.ph/ProductDetail/Broadcom-Avago/HLMP-Y601-J0000/?qs=eQsPqqG3NqZisxOZsiOI8g%3D%3D
D4	1	LED	₱7.33	₱7.33	LED_SMD:LED_0603_1608Metric	~	https://www.mouser.ph/ProductDetail/OSRAM-Opto-Semiconductors/LS-Q976-NR-1/?qs=K5ta8V%252BWhtbwdFgXKu1OIw%3D%3D
D5	1	15400394F3590	₱20.22	₱20.22	LED_THT:LED_D3.0mm	https://www.mouser.ph/datasheet/2/445/15400394F3590-1878459.pdf	https://www.mouser.ph/ProductDetail/Wurth-Elektronik/15400394F3590/?qs=%2Fha2pyFaduJn9Ru9GzPjJbEJablF1BueF88kD9Ne7vUU1NLQPyQHEQ%3D%3D
D6	1	1540031EC4590	₱31.85	₱31.85	LED_THT:LED_D3.0mm	https://www.mouser.ph/datasheet/2/445/1540031EC4590-1838841.pdf	https://www.mouser.ph/ProductDetail/Wurth-Elektronik/1540031EC4590/?qs=GedFDFlaBXHXkN%2FFjmt5hA%3D%3D
J1	1	5V_power_conn	₱0.00	₱0.00	Connector_PinSocket_1.27mm:PinSocket_1x02_P1.27mm_Vertical	~	
J2	1	PICkit_conn	₱0.00	₱0.00	Connector_PinHeader_1.27mm:PinHeader_1x06_P1.27mm_Vertical	~	
J3	1	47352-1001	₱180.96	₱180.96	SamacSys_Parts:47352-1001	http://www.mplex.com/pdm_docs/sd/473521001_sd.pdf	https://www.mouser.co.uk/ProductDetail/Molex/47352-1001?qs=c2CV6XM0DweyUS%2F9IG4Ycg%3D%3D
J4	1	i2c_lcd	₱0.00	₱0.00	Connector_PinSocket_1.27mm:PinSocket_1x06_P1.27mm_Vertical	~	
L1 L3	2	1mH		₱0.00	Inductor_SMD:L_1206_3216Metric	~	
L2	1	L_ant	₱0.00	₱0.00		~	
L4	1	22uH		₱0.00	Inductor_SMD:L_10.4x10.4_H4.8	~	

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LS1	1	CMI-1295IC-0585T	₱63.69	₱63.69	SamacSys_Parts:CMI1295IC0585T	https://www.cuidevices.com/product/audio/buzzers/audio-indicators/cmi-1295ic-0585t	https://www.mouser.co.uk/ProductDetail/CUI-Devices/CMI-1295IC-0585T?qs=OIC7AqGiEDkuskN%2Fok3iNw%3D%3D
Q1	1	BCW66HVL	₱9.10	₱9.10	SamacSys_Parts:SOT95P230X110-3N	https://assets.nexperia.com/documents/datasheet/BCW66X_SER.pdf	https://www.mouser.co.uk/ProductDetail/Nexperia/BCW66HVL?qs=vLWxofP3U2z7uZiWal.1KRw%3D%3D
R1	1	0	₱1.47	₱1.47	Resistor_SMD:R_0603_1608Metric	~	https://www.mouser.ph/ProductDetail/Vishay-Dale/CRCW0603000020EAC/?qs=E3Y5ESvWgWPiXY%2FehlK.3A%3D%3D
R11 R15 R14	3	1.2k	₱20.07	₱60.21	Resistor_SMD:R_0603_1608Metric	~	https://www.mouser.ph/ProductDetail/Panasonic/ERA-3VEB1201V/?qs=sGAEpiMZZMukHu%252BjC5i7YT5uox2dNmEjMk%2FHAhZ6fw%3D
R13	1	10k	₱7.58	₱7.58	Resistor_SMD:R_0603_1608Metric	~	https://www.mouser.ph/ProductDetail/Panasonic/ERJ-UP3J103V/?qs=GedFDfLaBXEhCQ7XYsRS5A%3D%3D
R16	1	2.2k	₱11.17	₱11.17	Resistor_SMD:R_0603_1608Metric	~	https://www.mouser.ph/ProductDetail/Panasonic/ERJ-UP3F2201V/?qs=GedFDfLaBXGYoMnK3xyAWw%3D%3D
R18	1	330	₱5.71	₱5.71	Resistor_SMD:R_0603_1608Metric	~	https://www.mouser.ph/ProductDetail/Bourns/CMP0603-FX-3300ELF/?qs=TIOZkKH1s2TCw5ua2N2Jg%3D%3D
R19	1	560	₱11.17	₱11.17	Resistor_SMD:R_0603_1608Metric	~	https://www.mouser.ph/ProductDetail/Panasonic/ERJ-UP3F5600V/?qs=GedFDfLaBXHitv%252BDZoJ5XQ%3D%3D
R21 R22 R20	3	4.7k	₱20.07	₱60.21	Resistor_SMD:R_0603_1608Metric	~	https://www.mouser.ph/ProductDetail/Panasonic/ERA-3VEB4701V/?qs=OIC7AqGiEDnSeEB4EATO2Q%3D%3D
R5 R7 R8 R12 R3 R6 R10 R9 R4 R2 R17	11	1k	₱14.86	₱163.46	Resistor_SMD:R_0603_1608Metric	~	https://www.mouser.ph/ProductDetail/Panasonic/ERJ-UP3D1001V/?qs=GedFDfLaBXFYia6GNGzEQ%3D%3D
RV1	1	100k	₱164.28	₱164.28	Potentiometer_THT:Potentiometer_Bourns_3266W_Verical	~	https://www.mouser.ph/ProductDetail/Bourns/3266W-1-104LF/?qs=QKnmoPQUINC%2FrcDYk%2F5jw%3D%3D
SW1	1	PB_1	₱19.97	₱19.97	Button_Switch_THT:SW_PUSH_6mm	~	https://www.mouser.ph/ProductDetail/CK/PTS645SK50JSMTR92-LFS/?qs=TIOZkKH1s2TK7%252B%2F5hXb%252Bw%3D%3D
SW2	1	PB_2	₱19.97	₱19.97	Button_Switch_THT:SW_PUSH_6mm	~	
SW3	1	PB	₱19.97	₱19.97	Button_Switch_THT:SW_PUSH_6mm	~	
SW4	1	PB_MCLR	₱19.97	₱19.97	Button_Switch_THT:SW_PUSH_6mm	~	
U1	1	MFRC52201HN1,115	₱270.43	₱270.43	SamacSys_Parts:QFN50P500X500X100-33N-D	https://media.digikey.com/pdf/Data%20Sheets/NXP%20PDFs/MFRC522.pdf	https://www.mouser.co.uk/ProductDetail/NXP-Semiconductors/MFRC52201HN1115?qs=cbprxTG2Yg8gosQeFVBvCQ%3D%3D
U10	1	BAT-HLD-001-THM	₱14.66	₱14.66	SamacSys_Parts:BATHLD001THM	http://www.mouser.com/datasheet/2/238/BAT-HLD-001-THM-20Diagram-1175214.pdf	https://www.mouser.co.uk/ProductDetail/Linx-Technologies/BAT-HLD-001-THM?qs=Z0V%2FpEI%252B0Gcluj3h2QTrDw%3D%3D

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U2	1	TP4056	₱25.00	₱25.00	Package_SO:SOP-8_3.9x4.9mm_P1.27mm	https://dlnmh9p6v2uc.cloudfront.net/datasheets/Prototyping/TP4056.pdf	https://www.lazada.com.ph/products/10pcs-tp4056a-tp4056-tp4056e-4056e-sop-8-i267854190-s379768342.html?spm=a2o4l.searchlist.35.766d75dfuQkPzz&search=1
U3	1	BK-18650-PC4	₱64.00	₱64.00	BK-18650-PC4:18650-PC4	https://www.memoryprotectiondevices.com/datasheets/BK-18650-PC4-datasheet.pdf	https://www.lazada.com.ph/products/2-cell-18650-battery-holder-series-parallel-221098161-s290086238.html?spm=a2o4l.searchlist.40.52366f33NQ4dGI&search=1
U4	1	MT3608	₱10.50	₱10.50	Package_TO_SOT_SMD:SOT-23-6	https://www.olimex.com/Products/Breadboarding/B-B-PWR-3608/resources/MT3608.pdf	https://www.lazada.com.ph/products/20pcs-mt3608-sot23-3608-sot23-6-silk-screen-b628-patch-sot23-6-5v12a-mobile-power-chip-1158582854-s6775086945.html?spm=a2o4l.searchlist.1.58555de4Id33h&search=1
U5	1	MLX90614ESF-DCI-000-SP	₱2,234.73	₱2,234.73	SamacSys_Parts:MLX90614ESFDCI000SP	https://componentsearchengine.com/Datasheets/1/MLX90614ESF-DCI-000-SP.pdf	https://www.mouser.co.uk/ProductDetail/Melexis/MLX90614ESF-DCI-000-SP?qs=KuGPmAKfKWa9YC%2E7FAqHQ%3D%3D
U6	1	PIC24FJ64GB002-I_SS	₱172.37	₱172.37	SamacSys_Parts:SOP65P780X200-28N	https://www.mouser.ph/datasheet/2/268/39940d-62412.pdf	https://www.mouser.ph/ProductDetail/Microchip-Technology/PIC24FJ64GB002-I-SS/?qs=mx2qy4LWRQ%2FcmbLBcCoakw%3D%3D
U7	1	ICL7673CBAZA	₱131.42	₱131.42	SamacSys_Parts:SOIC127P600X175-8N	https://www.mouser.ph/datasheet/2/698/IDT_ic7673_DST_19990405-1528685.pdf	https://www.mouser.ph/ProductDetail/Renesas-Intersil/ICL7673CBAZA/?qs=9fLuogzTs6LxOoWxgKnQA%3D%3D
U8	1	MAX31341CETB+	₱66.22	₱66.22	SamacSys_Parts:SON50P300X300X80-11N	https://www.mouser.de/datasheet/2/256/MAX31341B-MAX31341C-1855887.pdf	https://www.mouser.co.uk/ProductDetail/Maxim-Integrated/MAX31341CETB%2b?qs=7MVldsJ5Uazopesy%252BmLOMGQ%3D%3D
U9	1	LM317_SOT-223	₱44.48	₱44.48	Package_TO_SOT_SMD:SOT-223-3_TabPin2	http://www.ti.com/lit/ds/symlink/lm317.pdf	
Y1	1	ABM11AIG-27.120MHZ-3Z-T	₱36.39	₱36.39	SamacSys_Parts:ABM11AIG27120MHZ3ZT	https://componentsearchengine.com/Datasheets/1/ABM11AIG-27.120MHZ-3Z-T.pdf	https://www.mouser.co.uk/ProductDetail/ABRACON/ABM11AIG-27120MHZ-3Z-T/?qs=uwxL4vQweFOspfor%252B8pS7A%3D%3D
Y2	1	ECS-.327-9-34QN-TR	₱33.87	₱33.87	SamacSys_Parts:ECS327934QNTR	https://www.mouser.ph/datasheet/2/122/ECX-34Q-938174.pdf	https://www.mouser.ph/ProductDetail/ECS/ECS-327-9-34QN-TR/?qs=%2Fha2pyFadugiSpDUJkJ59lx6fTnm7hR5ftbglbJtEdxQh4z%252BVeBjI%2FFI2Jchym1
Total Cost				₱4,460.24			