

No	Q. Ty	References	Design P/N	Description	Unit Cost	Sub-Cost	Link
1	6	C1, C3, C12, C21, C26, C27	CC0805ZKYSV6BB226	CAP CER 22UF 10V Y5V 0805	VND 1,120	VND 6,720	https://www.thegioic.com/products/tu-gom-0805-22uf-16v
2	16	C4, C5, C6, C7, C9, C10, C11, C13, C14, C15, C16, C17, C19, C20, C24, C25	CC0603JRX7R78B104	CAP CER 0.1UF 16V X7R 0603	VND 218	VND 3,488	https://www.thegioic.com/products/tu-gom-0603-100nf-0-1uf-25v
3	2	C8, C23	TMCMB0J227MTRF	CAP TANT 220UF 20% 6.3V 1411	VND 3,400	VND 6,800	https://www.thegioic.com/products/tu-tantalum-220uf-6-3v-1210-f930j227mba
4	3	C2, C18, C22	CC0603JRX7R78B105	CAP CER 1UF 16V X7R 0603	VND 280	VND 840	https://www.thegioic.com/products/tu-gom-0603-1uf-50v
5	5	R1, R10, R14, R23, R26	AC0603JR-071KL	RES SMD 1K OHM 5% 1/10W 0603	VND 46	VND 230	https://www.thegioic.com/products/dien-tro-1-kohm-0603-1
6	5	R2, R3, R6, R9, R22	RT0603FRE0710KL	RES SMD 10K OHM 1% 1/10W 0603	VND 46	VND 230	https://www.thegioic.com/products/dien-tro-10-kohm-0603-1
7	3	R4, R5, R11	AC0603JR-074K7L	RES SMD 4.7K OHM 5% 1/10W 0603	VND 32	VND 96	https://www.thegioic.com/products/dien-tro-4-7-kohm-0603-5
8	1	R8	RC0603FR-0740K2L	RES SMD 40.2K OHM 1% 1/10W 0603	VND 46	VND 46	https://www.thegioic.com/products/dien-tro-40-2-kohm-0603-1
9	2	R7, R13	RC0603FR-0775KL	RES SMD 75K OHM 1% 1/10W 0603	VND 46	VND 92	https://www.thegioic.com/products/dien-tro-75-kohm-0603-1
10	1	R24	AC0603JR-072K2L	RES SMD 2.2K OHM 5% 1/10W 0603	VND 32	VND 32	https://www.thegioic.com/products/dien-tro-2-2-kohm-0603-5
11	1	U1	AP2210N-3.3TRG1	IC REG LINEAR 3.3V 300MA SOT23-3	VND 6,900	VND 6,900	https://www.thegioic.com/products/mcp1700r-3302e-ic-on-ap-3-3v-250ma
12	1	U2	MCP9700T-H/LT	SENSOR ANALOG -10C-125C SOT23-3	VND 6,000	VND 6,000	https://www.thegioic.com/products/mcp9700at-e-ti-cam-bien-nhiet-dq
13	1	U3	SST25VF040B-50-4C-SAF	IC FLASH 4MBIT SPI 50MHZ 8SOIC	VND 23,887	VND 23,887	https://store.rpc.vn/sst25vf040b-80-4l-s2ae?search=SST25VF040
14	1	U4	RV-3028-C7 32.768KHZ 1PPM-TA-QC	IC RTC CLK/CALENDAR 12C 8-SMT	VND 72,485	VND 72,485	https://www.digikey.com/en/products/detail/micro-crystal-ag/RV-3028-C7-32-768KHZ-1PPM-TA-QC/10431070
15	1	U5	MP1470GJ-2	IC REG BUCK ADJ 2A TSOT23-6	VND 4,000	VND 4,000	https://banlinhkien.com/mp1470-sot23-ic-buck-2a-16v-adigadie-p6648672.html
16	1	U6	PIC32MM0064GPM028-I/M6	IC MCU 32BIT 64KB FLASH 28UQFN	VND 52,186	VND 52,186	https://www.digikey.com/en/products/detail/microchip-technology/PIC32MM0064GPM028-I-M6/8037777
17	1	U7	74AVC2145DC-125	IC TRNSLTR BIDIRECTIONAL BVSSOP	VND 12,791	VND 12,791	https://www.digikey.com/en/products/detail/newperia-usa-inc/74AVC2145DC-125/1692558
18	1	U8	PIC16F18876-I/PT	IC MCU 8BIT 28KB FLASH 44TQFP	VND 43,233	VND 43,233	https://www.digikey.com/en/products/detail/microchip-technology/PIC16F18876-I-PT/6192935
19	1	U9	MICS504-3.3YM5-TR	IC REG LINEAR 3.3V 300MA SOT23-5	VND 3,600	VND 3,600	https://www.thegioic.com/products/r19193-33ab-ic-on-ap-3-3v-300ma
20	2	Q1, Q2	SSM3J378R,LF	MOSFET P-CH 20V 6A SOT23F	VND 500	VND 1,000	https://www.thegioic.com/products/s12301ds
21	1	D1	150060BS75000	LED BLUE CLEAR 0603 SMD	VND 290	VND 290	https://www.thegioic.com/products/led-xanh-duong-0603-dan-smd-trong-suot
22	2	D2, D5	150060SS75000	LED RED CLEAR 0603 SMD	VND 180	VND 360	https://www.thegioic.com/products/led-do-0603-dan-smd-trong-suot
23	1	D3	150060VS75000	LED GREEN CLEAR 0603 SMD	VND 290	VND 290	https://www.thegioic.com/products/led-xanh-la-0603-dan-smd-trong-suot
24	1	D4	150060YS75000	LED YELLOW CLEAR 0603 SMD	VND 200	VND 200	https://www.thegioic.com/products/led-vang-0603-dan-smd-trong-suot
25	1	D6	1N4148WSTR	DIODE GEN PURP 75V 300MA SOD323	VND 510	VND 510	https://www.thegioic.com/products/1n4148ws-diode-chinh-luu-0-15a-75v
26	1	D7	SK26_R1_00001	Schottky Diodes & Rectifiers PJ/SK26/TR/7/HF/0.8K/SMB/SMD/SSM-20H/SSM20-QI01/PJ///	VND 960	VND 960	https://www.thegioic.com/products/ss24-sma
27	2	BT1, BT2	PTS810 SJG 250 SMTR LFS	SWITCH TACTILE SPST-NO 0.05A 16V	VND 800	VND 1,600	https://www.thegioic.com/products/nut-nhan-4-2x3-3mm-cao-2-5mm-4-chan-smd-v2
28	1	F1	OZCG0050AF2C	PTC RESET FUSE 30V 500MA 1812	VND 3,500	VND 3,500	https://www.thegioic.com/products/mf-msmf075-24-2-cau-chi-tu-phuc-hoi-1812-24v-0-75a
29	1	J1	10118192-0002LF	CONN RCPT USB2.0 MICRO B SMD R/A	VND 800	VND 800	https://www.thegioic.com/products/cong-usb-micro-b-2-0-dau-cai-5-chan-smd-v3
30	0.50	J2, J6	RS1-10-G	RECEPTACLE STRIP 10P 2.54MM PITCH	VND 2,000	VND 1,000	
31	0.18	J4	RS1-07-G	RECEPTACLE STRIP 7P 2.54MM PITCH	VND 2,000	VND 350	https://www.thegioic.com/products/hang-rao-cai-doi-2-54mm-40-chan-1-hang-rao-cai-11-8mm-xuyen-lo
32	0.20	J7	RS1-08-G	RECEPTACLE STRIP 8P 2.54MM PITCH	VND 2,000	VND 400	
33	0.25	J8	HRS-2B-10-GA	RECEPTACLE STRIP, 1.27MM,VERTICA	VND 10,800	VND 2,700	https://www.thegioic.com/products/hang-rao-cai-doi-1-27mm-80-chan-2-hang-rao-cai-4-3mm-xuyen-lo
34	1	L1	SDE0604A-6R8M	FIXED IND 6.8UH 3A 80 MOHM SMD	VND 2,400	VND 2,400	https://www.thegioic.com/products/cuon-cam-dan-smd-cd53-5852-6r8-6-8uh-2-2a
35	1	PCB	SAMM-7x-FRT.PCB	FR4, 1OZ, 1.6MM, BLACK/WHITE, HASL, 69x54MM	VND 24,000	VND 24,000	
36	1	PCBA			VND 71,004	VND 71,004	
Sum	70					VND 355,020	