

Item	Q.ty	Reference	Part	Tech. Characteristics	Package
1	1	ON	Red LED	Chip-LED, Red	CASE 0805
2	2	100M, ACT	Green LED	Chip-LED, Green	CASE 0805
3	6	C1, C20, C37, C38, C45, C46	22uF/16V	Tantal CAP, B Size, 22uF/16V, +/-20%	EIA/IECQ 3528
4	12	C2, C3, C5, C8, C9, C10, C19, C28, C29, C39, C41, C44	0.1uF/50V	50V-10% Ceramic	CASE 0603
5	1	C4	22nF/50V	50V-10% Ceramic	CASE 0603
6	4	C6, C13, C14, C40	10nF/50V	50V-10% Ceramic	CASE 0603
7	2	C7, C12	6.8nF/50V	50V-10% Ceramic	CASE 0603
8	2	C11, C42	4u7F/16V	Tantal CAP, A Size, 4.7uF/16V, +/-20%	EIA/IECQ 3216
9	4	C16, C17, C18, C21	10nF/50V	50V-10% Ceramic	CASE 0805
10	2	C25, C26	18pF/50V	50V-10% Ceramic	CASE 0603
11	4	C27, C32, C43, C47	1uF/16V	16V-10% Ceramic	CASE 0603
12	2	C30, C31	22pF/50V	50V-10% Ceramic	CASE 0603
13	1	C33	47uF/16V	Aluminium CAN Type Capacitor	SMD
14	4	C48, C49, C50, C51	10uF/16V	Tantal CAP, A Size, 10uF/16V, +/-20%	EIA/IECQ 3216
15	1	CN2	SWD	1.27mm 2x5 Pin Header DIP, Male	DIP
16	1	D1	M7	1.0A 1000V Rectifier Diode	SMA
17	1	D2	CD1206-S0157	Switching Diode	CASE 1206
18	1	ETH2	RB1-145BG72A	RJ45 1x1 Tab Down, 10/100 Base-T, PoE	POE-RJ45
19	1	F1	FSMD050R	500mA Fuse	CASE 4532
20	5	FDX, L, LINK, RX, TX	Yellow LED	Chip-LED, Yellow	CASE 0805
21	1	IC1	W5500	TCP/IP Chip	TQFP48-7X7
22	1	IC3	MAX811TEUS	Supply Supervisors- Reset Controller	SOT-143
23	4	IC5, IC6, IC8, IC9	SN74LVC1G125DCKR	Single Bus Buffer Gate With 3-State Output	SC70-5
24	1	IC7	SAMD21G18A-A	Atmel D21 32bit ARM Cortex-M0 Microcontroller	TQFP48-7X7
25	1	IC10	LM1117S-5.0V(IL1117C-5.0)	5.0V/1A Voltage Regulator	SOT-223
26	1	IC11	LM1117S-3.3V(IL1117C-3.3)	3.3V/1A Voltage Regulator	SOT-223
27	1	JK1	POWER-SUPPLY	DC-JACK 2PHI	POWERSUPPLY_D
28	1	JP1	ICSP	2.54mm 2x3 Pin Header DIP, Male	DIP
29	9	L1, L2, L3, L4, L5, L6, L7, L8, L9	HCB2012KF-300T30	Chip Ferrite Bead	CASE 0805
30	1	PB2	YST1157(3.1)	Tact Switch, 6.2 x 6.5 SMD	TS42
31	1	Q2	25MHz(FTX25.000M18)	X-tal 25MHz, 3.2 x 2.5 SMD, CL=18pF	SMD3225, 4-PAD
32	8	R1, R3, R5, R11, R13, R35, R36, R37	10K	1/10W-5% SMD	CASE 0603
33	3	R2, R4, R6	10K	1/10W-5% SMD	Not Mount
34	1	R7	12k4 1%	1/10W-1% SMD	CASE 0603
35	2	R8, R42	330R	1/10W-5% SMD	CASE 0603
36	4	R9, R10, R14, R15	49R9 1%	1/10W-1% SMD	CASE 0603
37	1	R12	10R 1%	1/10W-1% SMD	CASE 0603
38	5	R20, R25, R30, R33, R34	0R	1/10W-5% SMD	CASE 0603
39	2	R31, R32	0R	1/10W-5% SMD	Not Mount
40	1	R26	1M	1/10W-5% SMD	CASE 0603
41	3	R38, R39, R41	100k	1/10W-5% SMD	CASE 0603
42	1	R40	52k3	1/10W-5% SMD	Not Mount
43	2	RN1, RN2	10k	1/10W-5% CHIP-ARRAY SMD	SMD3216
44	3	RN3, RN4, RN6	470R	1/10W-5% CHIP-ARRAY SMD	SMD3216
45	1	SD2	7MSDP-B0-1012	Micro SD Card Socket	SMD
46	2	TR1, TR2	PMV48XP	20 V, 3.5 A P-channel Trench MOSFET	SOT-23
47	1	TR3	2N7002	N channel FET - Field Effect Trasistor	SOT-23
48	1	TVS1	SMBJ12CA	Transient Voltage Suppressor	SMB
49	1	USB2	47346-0001	MICRO USB CONNECTOR	USB-MICRO-B(SN
50	1	Y1	32.768KHz(CM315)	X-tal 32.768KHz, 4.1 x 1.5 SMD, CL=22pF	SMD4115, 2-PAD
51	2	Z1, Z2	AVL5M 03 300	Chip varistor(ESD Protector), Vdc : 5.5V, Peak current : 30	Not Mount
52	2	J1, J3	2.54mm 1x8 Pin Header Socket DIP	2.54mm 1x8 Pin Header Socket DIP, Female	DIP
53	1	J2	2.54mm 1x6 Pin Header Socket DIP	2.54mm 1x6 Pin Header Socket DIP, Female	DIP
54	1	J4	2.54mm 1x10 Pin Header Socket DIP	2.54mm 1x10 Pin Header Socket DIP, Female	DIP
55	1	J5	2.54mm 1x6 HEADER SOCKET(5mm)	2.54mm 1x6 Pin Header socket Female 높이 낮은타입	DIP
56	1	J6	2.54mm 1x4 HEADER SOCKET(5mm)	2.54mm 1x4 Pin Header socker Female 높이 낮은타입	DIP