

UN638-V3.2

Date : 2022-

ID	Package	Specification	QTY	Position	Supplier	Cost	M.Q.Q	PCB board	Remark
Main Board V3.2									
1	SMT	1/10W-0.0 ± 5%-0003	1	R57				Main	
2	SMT	1/4W-0.0 ± 5%-1206	1	R50				Main	
3	SMT	1/16W-0.0 ± 5%-0402	2	R54,R71				Main	
4	SMT	1/16W-16.0 ± 5%-0402	6	R5, R11, R20, R22, R25, R74				Main	
5	SMT	1/16W-10K.0 ± 5%-0402	7	R10, R12, R25, R27, R73, R75, R88				Main	
6	SMT	1/16W-100K.0 ± 5%-0402	9	R3, R23, R47, R49, R58, R53-R54, R82, R87				Main	
7	SMT	1/16W-2K.0 ± 5%-0402	1	R53				Main	
8	SMT	1/16W-22.0 ± 5%-0402	23	R16, R18-R21, R24-R26, R28-R29, R33-R38, R40-R41, R51-R52, R75-R77				Main	
9	SMT	1/16W-33.0 ± 5%-0402	2	R55-R56				Main	
10	SMT	1/16W-4.7K.0 ± 5%-0402	7	R13-R14, R22, R43, R48, R50, R53				Main	
11	SMT	1/16W-65.9.0 ± 1%-0402	1	R70				Main	
12	SMT	1/16W-68K.0 ± 1%-0402	1	R59				Main	
13	SMT	1/16W-18K.0 ± 1%-0402	7	R4, R31, R42, R44, R41, R50-R51				Main	
14	SMT	1/16W-510K.0 ± 1%-0402	1	R59				Main	
15	SMT	1/16W-680K.0 ± 5%-0402	1	R50				Main	
16	SMT	1/16W-4.99.0 ± 1%-0402	1	R72				Main	
17	SMT	1/16W-169K.0 ± 1%-0402	1	R52				Main	
18	SMT	1/16W-64.9K.0 ± 1%-0402	1	R27				Main	
19	SMT	16V-0.1uF ± 10%-178-0402	14	C7, C13-C14, C24, C29, C31, C34, C45, C51-C52, C58, C86, C97, C110				Main	
20	SMT	50V-10uF ± 5%-NPO-0402	1	C89				Main	
21	SMT	50V-22uF ± 5%-NPO-0402	2	C43, C48				Main	
22	SMT	50V-33uF ± 5%-NPO-0402	2	C32-C35				Main	
23	SMT	25V-0.01uF ± 10%-178-0402	4	C5, C56, C64, C71				Main	
24	SMT	16V-0.1uF-40V/-20%-178-0402	23	C7, C5, C35-C38, C38, C41-C42, C53, C55, C66-C67, C68, C73, C75-C76, C81-C83, C88, C90, C98				Main	
25	SMT	50V-18uF ± 5%-NPO-0402	2	C49-C47				Main	
26	SMT	50V-11F ± 10%-178-0603	1	C100				Main	
27	SMT	16V-11F-10%-178-0402	9	C39-C27, C35, C37, C39-C40, C40, C45, C47				Main	
28	SMT	6.3V-10uF ± 20%-158-0402	14	C2, C25, C32, C49-C50, C54, C57, C61, C65, C68, C70, C72, C84, C99				Main	
		0105A105M020N(Samsung)		Main					
		6.3V-10uF ± 20%-158-0402		Main					
29	SMT	25V-330uF ± 10%-178-0402	1	C79				Main	
30	SMT	10V-10uF ± 20%-158-0402	1	C113				Main	
31	SMT	10uH ± 20%-0.75A-2.5x2.5x1.2mm-SMT(N252012-100H)	1	L4				Main	
32	SMT	12.000MHz ± 10PPM-18uF-3225	1	X3				Main	
33	SMT	32.768kHz ± 20PPM-12.5uF-3215-2910	1	X2				Main	
34	SMT	802553071G-30V-S0323	7	D1, D2, D10-D11, D13, D17, D22				Main	
35	SMT	ESD-12V-0402 (ESDPS50402V12/Semitecl)	3	D18, D23-D24				Main	
36	SMT	ESD-5V-0402 (D1006V05C0058T)	2	D15, D38				Main	
37	SMT	RS419H-40V-1A-S03-123	1	D37				Main	
38	SMT	ESD-3.3V-0402 (D1006V03C0038T)	22	D3-D9, D12, D19-D20, D25-D36				Main	
39	SMT	S8013-NPN-Transistor-40V-0.3W-0.5A-MPE-B-S0323	1	Q7				Main	
40	SMT	01C1148E-NPN-S0323	2	Q10-Q11				Main	
41	SMT	CJ201P-P-Channel MOSFET 20Wds-S0723 (JCST)	1	Q1, Q4-Q5, Q8-Q9				Main	
		Z001P-Channel MOSFET 20Wds-S0723 (H105)		Main					
42	SMT	CJ210-40V-3A-5-Channel-MOSFET-S0723 (JCST)	3	Q2-Q3, Q6				Main	
43	SMT	IC20106-1V	1	DA71				Main	
44	SMT	VS1-11123-SMD-5pin-5kg	1	S2				Main	
47	SMT	SCM2028-3.3VDS0-3.3V-500mA-LDO-S0T-23-LS5801C303	3	D12-D14				Main	
		LP3807B-3385F-3.3V-600mA-LDO-S0T-23-5		Main					
46	SMT	SCM7281TMO- LED Driver-20W Input-15V23-4 (S081C303)	1	D15				Main	
47	SMT	W6116C2385G-3.3V-400mA-LDO-S0T23-5 (Microsemi)	1	D1				Main	
48	SMT	M15903-4GA169 (NEUGEBAERT)	1	D7				Main	
49	SMT	MP6404E-200P-40V-S07P (powerxy)	1	D11				Main	
50	SMT	PT2542280A-500-1T-500MS (Pesa Semiconductor)	2	D8-D9				Main	
51	SMT	DS28S50Q-TDFN12 (Maxim)	1	D4				Main	
52	SMT	ATEC3088B-SSB0A-T (Microchip)	1	D10				Main	
53	SMT	8R22001EC58-RLCSP-58 (AMNUC)	1	D5				Main	
54	SMT	MAX2520-8NS-T-TQFN32 (Maxim)	1	D5				Main	
55	SMT	241N	1	J1				Main	
56	SMT	241N	1	J1				Main	
57	SMT	10P1N	1	J3				Main	
58	SMT	60P1N-0.5mm-2.5mm-SMD-0077-SMT345-0525-501	1	J12				Main	
59	SMT	1P1N-Antenna RF Spring-2.5x1.2x2.6mm-SMD	4	J5-J7, J9				Main	
60	SMT	MicroSD	1	J12				Main	
		MicroSD		Main					
61	DIP	UN638-MainPro-V3.1	1					Main	

Main Board V3.2								
1	SMT	1/16W-0.0 ± 5%-0402	2	R10-R11				PORT
2	SMT	1/16W-33K.0 ± 5%-0402	1	R2				PORT
3	SMT	1/16W-120K.0 ± 5%-0402	1	R1				PORT
4	SMT	1/16W-5.1K ± 1%-0402	2	R12, R13				PORT
5	SMT	16V-0.1uF ± 10%-178-0402	1	C4				PORT
6	SMT	50V-22uF ± 5%-NPO-0402	1	C5				PORT
7	SMT	16V-11F-10%-158-0402	2	C1-C2				PORT
8	SMT	6.3V-10uF ± 20%-158-0402 (C105A105M020N)	1	C6				PORT
		6.3V-10uF ± 20%-158-0402		PORT				
9	SMT	ESD-5V-0402 (D1006V05C0058T)	1	D11				PORT
10	SMT	ESD-12V-0402 (ESDPS50402V12/Semitecl)	1	D9				PORT
11	SMT	ESD-3.3V-0402 (D1066V03C0038T)	2	D2-D3				PORT
12	SMT	8S2222-6.8V-40V-40K2x2-4L (8S2222-6V)	1	D1				PORT
13	SMT	241N-USB3.0-TYPE-C-SMD-032401050316-14	1	J1				PORT