

Bill of Materials of KT618

Items	Comment	Materials Description	Footprint	Bit Code	Stand-alone Dosage	Part NO.
Capacitor						
2	3pF_+/-0.25pF_0402	0402 3PF ±0.25PF DC50V	402	C104,C105,C106,C108	4	C0402COG3R0C500NT
3	6.8pF	0402 6.8PF ±0.25PF DC50V	402	C125	1	C0402COG6R8C500NT
4	8.2pF	0402 8.2PF ±0.25PF DC50V	402	C129	1	C0402COG8R2C500NT
5	10pF	0402 10PF ±0.25PF DC50V	402	C507	1	C0402COG100D500NT
6	12pF	0402 12PF ±0.5PF DC50V	402	C101,C102	2	C0402COG120D500NT
7	15pF	0402 15PF ±0.25PF DC50V	402	C114	1	C0402COG150J500NT
8	18pF	0402 18PF ±5% DC50V	402	C211,C212	2	C0402COG180J500NT
9	22pF	0402 22PF ±5% DC50V	402	C805	1	C0402COG220J500NT
12	39pF	0402 39PF ±5% DC50V	402	C508	1	C0402COG390J500NT
13	47pF	0402 47PF ±5% DC50V	402	C115	1	C0402COG470J500NT
14	68pF	0402 68PF ±5% DC50V	402	C414,C714	2	C0402COG680J500NT
15	270pF	0402 270PF ±10% DC50V	402	C123	1	C0402COG271J500NT
16	470pF	0402 470PF ±10% DC50V	402	C117	1	C0402COG471J500NT

17	1nF	0402 1NF ±10% DC50V	402	C222,C431,C432	3	C0402X7R102K500NT
19	6.8nF	0402 6.8NF±10% DC25V	402	C226	1	C0402X7R682K250NT
20	0.01uF	0402 0.01UF ±10% DC6.3V	402	C407,C408,C417,C418,C727	5	C0402X5R103K6R3NT
21	22nF	0402 22NF±10% DC25V	402	C726	1	C0402X7R223K250NT
22	33nF_10%	0402 33NF±10% DC25V	402	C420	1	C0402X7R333K250NT
23	47nF_10%	0402 47NF ±10% DC10V	402	C215	1	C0402X7R473K100NT
24	100nF	0402 100NF ±10% DC10V	402	C223,C224,C227,C201,C219,C301, C410,C412,C421,C424,C633,C801, C808,C127,C802,C803	16	C0402X5R104K100NT
25	220nF	0402 220NF ±10% DC6.3V	402	C720,C210,C429,C430	4	C0402X5R224K6R3NT
26	1uF	0402 1UF ±10% DC10V	402	C423,C722,C213,C214,C216,C205, C206,C207,C208,C209	10	C0402X5R105K100NT
27	1uF(16V)	0603 1UF ±10% DC16V	603	C806	1	C0603X5R105K160NT
28	2.2uF	0603 2.2UF ±10% DC6.3V	603	C807,C204,C221	3	C0603X5R225K6R3NT
29	4.7uF	0603 4.7UF ±10% DC6.3V	603	C409,C425,C721,C804	4	C0603X5R475K6R3NT
30	10uF	0805 10UF ±15% DC6.3V	805	C413,C724	2	C0805X5R106M6R3NT
31	47uF	47UF ±20% DC6.3V	47U	C509	1	F930J476MAA
Resistor						
1	0	0402 0 Ω ±5% 0.063W	402	R102,R107,R201,R708,R422	5	RC0402JR-070RL

2	5.1	0402 5.1Ω ±5% 0.063W	402	R803	1	RC0402JR-075R1L
3	10	0402 10Ω ±5% 0.063W	402	R411	1	RC0402JR-0710RL
4	33	0402 33Ω ±5% 0.063W	402	R601	1	RC0402JR-0733RL
5	270	0402 270Ω ±5% 0.063W	402	R408	1	RC0402JR-07270RL
6	470	0402 470Ω ±5% 0.063W	402	R611	1	RC0402JR-07470RL
7	1K	0402 1K Ω ±5% 0.063W	402	R101,R409,R418,R610	4	RC0402JR-071KL
9	1.5K	0402 1.5KΩ ±5% 0.063W	402	R405	1	RC0402JR-071K5L
10	2.2K	0402 2.2KΩ ±5% 0.063W	402	R404,R427,R428	3	RC0402JR-072K2L
11	4.7K	0402 4.7KΩ ±5% 0.063W	402	R801,R802	2	RC0402JR-074K7L
12	10K_5%	0402 10KΩ ±5% 0.063W	402	R206,DNP_R809	2	RC0402JR-0710KL
13	20k	0402 20KΩ ±5% 0.063W	402	R419,R710,R712,R713	4	RC0402JR-0720KL
15	47K	0402 47KΩ ±5% 0.063W	402	R213,R421	2	RC0402JR-0747KL
16	100K	0402 100KΩ ±5% 0.063W	402	R504,R703	2	RC0402JR-07100KL
Inductance						
3	3.9nH	0402 3.9NH ±3% RoHS	402	L126	1	ELJRF3N9DFB
5	10nH	0402 10NH ±3% RoHS	402	L101	1	ELJRF10NDFB
6	18nH_+/-3%_0402	0402 18NH ±3%	402	L103	1	ELJRF18NJFB

		RoHS				
7	33nH	0402 33NH ±5%	402	L401,L402,L403,L404	4	ELJRF33NJFB
8	100nH	0402 100nH	402	L405,L406,L407,L701	4	ELJRFR10JFB
9	D312C	22uH	D312C	L801	1	SDRH2D11R-220NC
Others						
1	MONO_JACK	Earphone Jack	EARPHONE-1	CON500	1	PJ209
2	PMEG2010EJ	Diode, PMEG2010EJ	SOD323F	D401	1	RB161VA-20TR
3	RB521S-30	Diode, RB521S-30	RB521S-30	D801	1	SDM20U30
4	LED	LED Blue, BL-HB336G-TRB	LED(KEYBOARD)	DS601,DS602,DS603,DS604,DS605,DS606	6	BL-HB336G-TRB
5	VRS0402SR180100N	Sense Resistor	402	ESD403,ESD503,ESD519	3	B72890T8140S160
6	PBSS5120T	Dynatron, PBSS5120T	SOT23_PBSS5120T	Q409	1	2SB1197KT146R
7	UMT3904	Dynatron, MT01 UMT3904	SOT323	Q402,Q403,Q404,Q601	4	PMST3904
8	BATSE-01315-TP04	Battery Connector	BATSE-01315-TP04	JBAT	1	BATSE-01315-TP04
9	SIMCARD	SIM Card Connector, SIM0119A	SIM0119A-3	JSIM1,SIM2	2	SIM0119A
10	B39182_B9308_G110	Audio Filter	B39182_B9308_G110	U101	1	EFCH9418TCQ1
11	LMSP33AA-298	Antenna Switch, LMSP33AA-298	LMSP33AA-298	U102	1	LMSP33AA-298
12	PMB6293REV05	RF PA	PMB6293V05	U103	1	PMB6293
13	PMB7880_EGOLDVOICE	Base-band Control Chip, PMB7880	PMB7880	U201	1	PMB7880
14	SST34HF3284C	Flash 32+4M	SST34HF3284C	U301	1	SST34HF3244C-70-4E-L1PE
15	APA0712	Audio Amplifier	TLA09ZZA	U401	1	A2190
16	RDA5800	FM Receiver Chip	QFN24-RDA5800	U703	1	RDA5800C

17	LM4809MM	105mW Earphone Amplifier	MUA08A	U702	1	LM4809MM
18	MP1516DJ-LF-Z	White Light Driver Chip	SOT-26	U802	1	MP1516DJ-LF-Z
19	OSC32K	Crystal 32.768KHz MC-146	32768_OSC	XTAL1	1	MC-146
20	OSC26M	Crystal 26MHz TZ0820A	KSX-23-26000KAA-QA0R	XTAL2	1	X3S026000BA1H
21	FSA2467/STG3699/FSA2567	Switchs	MLP16B	U801	1	FSA2467
22	Shielding Bracket and Cover	C900 Shielding Cover			1	C900 Shield
23	PCB	K500_V03 PCB			1	K500_V03