

#	COMPONENT_CL	SPECIFICATION	STATE	QTY	Ref Designator
1	Thick film resistor	294ohm,0603,1/10W,1%	A	1	R50
2	Thick film resistor	82ohm,0603,1/10W,1%	A	2	R240,R241
3	Thick film resistor	100ohm,0402,1/16W,5%	B	1	R52
4	Thick film resistor	1Kohm,1/16W,1%,SMD,0402	A	12	R1,R34,R36,R58,R109,R
5	Thick film resistor	610Kohm,0402,1/16W,1%	A	1	R242
6	Thick film resistor	10Kohm,1/16W,1%,SMD,0402	A	2	R38,R40
7	Thick film resistor	33ohm,1/16W,5%,SMD,0402	C	15	R39,R41,R87,R88,R90,R
8	Thick film resistor	0ohm,1/16W,1%,SMD,0402,RC0402FR-070RL	C	15	R2,R4,R37,R42,R43,R8
9	Thick film resistor	22ohm,0402,1/16W,1%	A	8	R6,R8,R83,R86,R92,R9
10	Thick film resistor	4.7Kohm,0402,1%,1/16W	A	2	R15,R77
11	Thick film resistor	100Kohm,0402,1%,1/16W	A	5	R5,R98,R146,R244,R25
12	Thick film resistor	330ohm,0402,1/16W,1%	A	1	R95
13	Thick film resistor	1Kohm,0402,1/16W,1%	A	1	R207
14	Thick film resistor	4.99Kohm,1/16W,1%,0402,SMD,0.5mm	A	3	R81,R82,R205
15	Thick film resistor	47Kohm,1/16W,1%,0402,SMD,0.35mm,RC0402FR-0747KL,YAGEO	B	1	R110
16	Thick film resistor	68Kohm,1/16W,1%,0402,SMD,0.35mm	A	3	R23,R25,R208
17	Thick film resistor	24.3Kohm,1/16W,1%,200ppm,0402	A	1	R147
18	Thick film resistor	1Mohm,1/16W,1%,200PPM,0402,SMD	A	1	R75
19	Thick film resistor	3.3Kohm,0402,1/16W,1%	A	2	R46,R76
20	Thick film resistor	49.9Kohm,0402,1/16W,1%	A	1	R148
21	Thick film resistor	18Kohm,0402,1/16W,1%	A	1	R145
22	Thick film resistor	30Kohm,0402,1/16W,1%	A	4	R49,R51,R53,R243
23	Thick film resistor	200Kohm,1/16W,1%,200ppm,0402,SMD	A	1	R84
24	Thick film resistor	3Kohm,0402,1/16W,1%	A	1	R3
25	Thick film resistor	4.22Kohm,0402,1/16W,1%	A	1	R116
26	Thick film resistor	7.5Kohm,0402,1/16W,1%	A	8	R10,R22,R24,R26,R29,R
27	Thick film resistor	12Kohm,1/16W,1%,100ppm,0402,SMD,0.35mm	A	1	R118
28	Thick film resistor	14Kohm,1/16W,1%,100ppm,0402,SMD,0.35mm	A	1	R238
29	Thick film resistor	6.2ohm,1/16W,1%,0402,SMD,0.4mm	A	1	R204
30	Thick film resistor	390K,1/16W,1%,100ppm,C,0402,SMD,0.4mm	A	2	R211,R213
31	Ceramic capacitor	X7R,2200pF,50V,±10%,0402,0.55mm,SMD,GRM155R71H222KA01D,muRata	A	2	C43,C71
32	Ceramic capacitor	X7R,1000pF,50V,±10%,0402	A	3	C75,C76,C116
33	Ceramic capacitor	X7R,0.01uF,50V,±10%,0402	A	2	C124,C125
34	Ceramic capacitor	22pF,50V,5%,SMD,0402	A	2	C50,C51
35	Ceramic capacitor	100PF,50V,NPO,5%,0402	A	1	C10
37	Ceramic capacitor	4.7uF,6.3V,10%,SMD,0603	B	14	C2,C3,C8,C9,C11,C27,C
38	Ceramic capacitor	GRM188R60,1H06ME47D,X5R,10uF,±20%,6.3V,0603,MURATA	C	2	C45,C158
40	Ceramic capacitor	1.0uF,10V,10%,X5R,0402,SMD,GRM155R61A106KE15D,muRata	A	7	C1,C5,C13,C15,C137,C
41	Ceramic capacitor	GRM155R71E473KA88D,0.047uF,25V,±10%,0402,X7R,Murata	A	1	C110
42	Ceramic capacitor	0.1uF,50V,10%,SMD,0402	B	1	C35
43	Ceramic capacitor	GRM155R81A474KE15D,0.47uF,10V,±10%,0402,X5R,Murata	B	2	C63,C157
44	Ceramic capacitor	GRM1555C1H100JA01D,NPO,10pF,5%,50V,0402,muRata	A	3	C102,C143,C144
46	Ceramic capacitor	22uF,6.3V,20%,X5R,0603,SMD	B	3	C12,C19,C135
49	Ceramic capacitor	X7R,0.047uF,50V,10%,0402,SMD	A	3	C84,C88,C89
52	Ceramic capacitor	X5R,0.22uF,25V,10%,0402,SMD	A	1	C7
55	Ceramic capacitor	NPO,82pF,50V,5%,0402,0.55mm,SMD	A	1	C161
56	Ceramic capacitor	CL05A106MP5NUNC,X5R,10uF,10V,20%,0402,0.8mm,SMD,Samsung	B	3	C6,C14,C160
57	capacitor	VTD1E101M0607V1,100uF,16V,20%,D6,3x7,7mm,7.9mm,SMD,LEAGUER	B	1	C31
58	capacitor	VTD1C221M0606V1,220uF,16V,20%,D8x6,2mm,6.4mm,SMD,LEAGUER	B	1	C100
60	inductance	LQM2MPN1R0M9HGL,功率1uH,20%,2.4A,31mohm,0.064ohm,60MHz,2016(2.0x1.6mm),0.9mm,SMD,muRata	C	1	L7
61	Magnetic beads	BLM15AX121SN1,0.13Ohm@680mA,0402,murata	A	4	FB2,FB3,FB4,FB5
62	Magnetic beads	BLM18HE102SN1,0.35Ohm@680mA,0603,murata	B	1	FB1
63	inductance	LQM2HPN4R7MG0L,4.7uH,20%,1.1A,0.11ohm,SMD,2520,MuRata	A	1	L1
64	inductance	NLV25T-270J-PF,27uH,5%,0.115A,6.3D,SMD,2520,TDK	A	1	L2
65	field effect tube	FDN304P,20V,2.4A,52mΩ,SSOT-3,Fairchild	B	1	Q5
66	diode	BAV199,75V,150mA,5mA,3us,250mW,SOT23,NXP	A	4	D3,D4,D5,D6
67	diode	NSR30CM3T5G,30V,200mA,2uA,5ns,SOT-723,ON	A	1	D8
68	triode	MMBTH10LT1G,NPN,25V,60/4mA,0.5V/4mA,0.95V,650MHz,SOT-23,1.1mm,SMD,ON	B	1	Q4
69	LED	2a,HL1209-4P001W,1.75(2.4V,IRED)/RED,895/660nm,SMD-3,2x2.7mm,1.2mm,SMD	B	1	LED1
70	diode	2a,HL1209-4PE64W,30V,1.3V,430 to 1100nm,SMD-3,2x2.7mm,1.2mm,SMD	A	1	D9
71	Passive crystal	5XBB12000202KF40Q2,12MHz,20ppm,20pF,-20~70°C,SMD5032	B	1	X1
72	The field effect tube	2N7002K-T1-E3,0.3A,2D,SOT-23,VISHAY	A	3	Q3,Q6,Q8
73	Logic circuit	XSN74AHC1T1G08DBVTR,与门,le=8mA,SOT23-5,SMD,TI	A	2	U10,U11
74	IC	3,TL431CDBZTR,基准源,正压,2.55V to 36V,2.495V,2%,1mA to 100mA,SOT23-3,1.3mm,SMD,TI	B	1	U8
75	BT	3,FSC-BT821AN,Bluetooth V4.2(Dual Mode),支持IOS/安卓系统,UART/I2C/PCM,15.7x12mm,2mm,SMD	B	1	U5
76	IC	3,RH6015C,1通道,2.3-5.5V,2.5uA,SOT23-6,1.15mm	B	3	U15,U19,U20
77	IC	3,SGM4871YS8/TR,4ohm/8ohm,1.9W/4ohm,2.5 to 5.5V,SO-8,1.75mm,SMD,SGMICRO	B	1	U1
78	Analog switch	3,SGM4875YTS16G/TR,3CH,3CH SPDT, 2.5V to 5.5V,TSSOP-16,1.1mm,SMD,SGMICRO	B	1	U2
79	IC	3,SGM2033-3,3XN5G/TR,正压,4.3 to 5.5V,3.3V,1.5%,250mA,180mV,22uA,94dB,SOT23-5,1.25mm,SMD,SGMICRO	B	3	U7,U12,U18
80	Op amp	3,SGM863CXTS14G/TR,4CH,6MHz,1pA,12nV/rool(Hz),0.8mV,2.5V to 5.5V,TSSOP-14,1.20mm,SMD,SGMICRO	B	3	U3,U4,U17
81	Analog switch	3,SGM306CXMS10G/TR,2通道,SPDT,15MHz,1.8-5.5V,MISOP-10,1.10mm,SMD,SGMICRO	A	1	U16
82	The handler class	3,GD32F303CCT6,CortexM4,256KB/48KB,32bit,120MHz,3x12bit ADC,2x12bit DAC,3xUSARTs,2xUARTs,LQFP48,SMD,GigaDevice	B	1	U9
83	The power IC	SGM6603-ADJYN8G/TR,Boost,0.9V to 5.5V,VFB,0.5V,1100mA,SOT23-6,1.25mm,SMD,SGMICRO	B	1	U6
84	The power IC	3,SGM2033-5,0XN5G/TR,正压,5.2 to 5.5V,5.0V,1.5%,250mA,155mV,13.5uA,73dB,SOT23-5,1.25mm,SMD,SGMICRO	B	1	U23
85	Analog switch	SGM4157YC8/TR,1通道,SPDT,0.8ohm,1uA,SC70-6,1.10mm,SMD,SGMICRO	B	1	U21
89	Electronic module	LCD-01.16.045327,支架01.51.413430,SD2使用	A	1	LCD1

Value	ERP
294ohm	
62ohm	
100ohm	
1Kohm	
910Kohm	
10Kohm	
33ohm	
0ohm	
22ohm	
4.7Kohm	
100Kohm	
330ohm	
13Kohm	
4.99Kohm	
47Kohm	
68Kohm	
24.3Kohm	
1Mohm	
3.3Kohm	
49.9Kohm	
18Kohm	
30Kohm	
200Kohm	
3Kohm	
4.22Kohm	
7.5Kohm	
12Kohm	
14Kohm	
6.2ohm	
390K	
2200pF	
1000pF	
0.01uF	
22pF	
100pF	
4.7uF	
10uF	
1uF	
0.047uF	
0.1uF	
0.47uF	
10pF	
22uF	
0.047uF	
0.22uF	
82pF	
10uF	
100uF	
220uF	
0.35ohm/680mA	01.06.016295
FDN304P	
BAV199	01.08.020163
NSR30CM3T5G	
MMBT110LT1G	
HL1209-4P001W	
HL1209-4PE64W	
12MHZ	
2N7002K-T1-E3	
SN74AHCT1G08DBVR	
TL431CDB2R	
BM77SPP03MC2	
RH6015C	
SGM4871YS8/TR	
SGM48753YTS16G/TR	
SGM2033-3.3XNSG/TR	
SGM8634CXTS14G/TR	
SGM3005CXMS10G/TR	
GD32F303CCT6	
SGM6603-ADJYN8G/TR	
SGM2033-5.0XNSG/TR	
SGM4157YC6/TR	