

Item	Qty	Ref Des	Part Description	Value	Tolerance	Rating	Dielectric	Pop/Unpop	Manufacturer	Part Number
1	3	C28, C49, C53	0603 (1608 Metric) SMD Capacitor	22u	±20%	6.3V	X5R	Populated	Murata	GRM188R60J226MEA0
2	1	U1	Leopard WLCSP168	DA9066				Populated	Dialog Semiconductor	DA9066
3	1	R30	0603 (1608 Metric) SMD Resistor	0R	Jumper	0.1W		Populated	Yageo	RC0603JR-070RL
4	2	R1, R3	0402 (1005 Metric) SMD Resistor	10K	±1%	0.063W		Populated	Yageo	RC0402FR-0710KL
5	1	R5	0402 (1005 Metric) SMD Resistor	100K	±1%	0.063W		Populated	Yageo	RC0402FR-07100KL
6	1	R4	0402 (1005 Metric) SMD Resistor	220K	±1%	0.063W		Populated	Yageo	RC0402FR-07220KL
7	4	L2-5	1008 (2520 Metric) SMD Inductor	2u2	±20%	Isat=1.8A		Populated	TDK	VLS252012T-2R2M1R3
8	3	L1, L6, L12	1008 (2520 Metric) SMD Inductor	1u	±30%	Isat=2.2A		Populated	TDK	VLS252012ET-1R0N
9	2	C74-75	0603 (1608 Metric) SMD Capacitor	100p	±10%	50V	X7R	Populated	TDK	C1608X7R1H101K
10	2	C32-33	0402 (1005 Metric) SMD Capacitor	12p	±5%	50V	COG/NPO	Populated	Murata	GRM1555C1H120J201D
11	1	C77	0402 (1005 Metric) SMD Capacitor	4n7	±10%	50V	X7R	Populated	Murata	GRM155R71H472KA01D
12	2	C67, C69	0402 (1005 Metric) SMD Capacitor	100n	±10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
13	1	C34	0402 (1005 Metric) SMD Capacitor	470n	±10%	10V	X5R	Populated	Murata	GRM155R61A474KE15D
14	1	C54	0603 (1608 Metric) SMD Capacitor	4u7	±10%	6.3V	X5R	Populated	Murata	GRM188R60J475ME19D
15	27	C10-15, C18-24, C29, C55, C60-66, C71-72, C76, C78-79	0402 (1005 Metric) SMD Capacitor	1u	±10%	10V	X5R	Populated	Murata	GRM155R61A105KE15D
16	12	C40-48, C50-52	0603 (1608 Metric) SMD Capacitor	10u	±20%	6.3V	X5R	Populated	Murata	GRM188R60J106ME47D
17	1	C35	1206 (3216 Metric) SMD Capacitor	47u	±20%	6.3V	X5R	Populated	Murata	GRM31CR60J476ME19L
18	1	C36	0402 (1005 Metric) SMD Capacitor	220n	±10%	16V	X7R	Populated	Murata	GRM155R71C224KA12D
19	2	C68, C70	0402 (1005 Metric) SMD Capacitor	4u7	±20%	6.3V	X5R	Populated	Murata	GRM155R60J475ME47D
20	2	J11, J18	2x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-D				Populated	Samtec	TSW-103-07-G-D
21	1	J27	2x5 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-105-07-G-D				Populated	Samtec	TSW-105-07-G-D
22	1	J7	2x7 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-107-07-G-D				Populated	Samtec	TSW-107-07-G-D
23	1	J9	2x15 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-115-07-G-D				Populated	Samtec	TSW-115-07-G-D
24	4	J10, J13-15	1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-102-07-G-S				Populated	Samtec	TSW-102-07-G-S
25	10	J1-6, J16-17, J23, J28	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S
26	2	J22, J25	1x4 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-104-07-G-S				Populated	Samtec	TSW-104-07-G-S
27	3	J63-65	2x17 2.54mm pitch PCB Female Socket VERTICAL (10mm tail)	SSQ-117-03-G-D				Populated	Samtec	SSQ-117-03-G-D
28	4	GND1-4	SMT PCB Test Terminal	SMT				Populated	Harwin	S1751-46
29	1	Y1	XTAL 32.768kHz 9.0pF SM FC-135	32.768kHz				Populated	EPSON TOYOCOM	FC-135 32.768KHZ 20PPM.9.0PF
30	19	C6-9, C16-17, C25-27, C39, C56-59, C1-5	0402 (1005 Metric) SMD Capacitor	2u2	±20%	6.3V	X5R	Populated	Kemet	C0402C225M9PACTU
31	1	C31	0402 (1005 Metric) SMD Capacitor	100p	±5%	50V	COG/NPO	Populated	Murata	GRM1555C1H101JA01D
32	2	RT1-2	0402 (1005 Metric) SMD NTC Thermistor	10K	±5%	-40°C to +125°C		Populated	Murata	NCP15XH103J03RC
33	5	LNK2-6	Jumper Link Open Blue					Populated	Rapid	22-3555
34	5	LNK1, LNK7, LNK28, LNK30-31	Jumper Link Open Red					Populated	Rapid	22-3565
35	1	J62	3x16 2.54mm pitch PCB Female Socket VERTICAL (4.93mm tail)	SSQ-116-02-G-T				Populated	Samtec	SSQ-116-02-G-T
Unpop										
36	1	R2	0402 (1005 Metric) SMD Resistor	0R	Jumper	0.063W		Unpop	Yageo	RC0402JR-070RL
37	1	C30	0603 (1608 Metric) SMD Capacitor	10u	±20%	6.3V	X5R	Unpop	Murata	GRM188R60J106ME47D
38	2	FB1-2	0603 (1608 Metric) SMD Inductor	220R	±25%	40-300MHz		Unpop	TDK	MPZ1608S221ATA00