



Item	Description	Footprint	Qty	Location	Part Number	Vender
RES						
1	RES-0402-Thermal, 100K $\Omega$ , 1%	0402	1	R610	NCP15WF104F03RC	MURATA
2	RES-0201-0 $\Omega$ , 5%, 1/20W	0210	4	R706, R922, R460, R461	RC0201JR-070RL	YAGEO
3	RES-0402-0 $\Omega$ , 5%, 1/16W	0402	19	R324, R410, C630, R704, R709, C711, R719, R720, R903, R904, R1007, R1011, R1012, R1014, R1022, R1023, R1406, R1407	RC0402JR-070RL	YAGEO
4	RES-0805-1.3 $\Omega$ , 5%, 1/8W	0805	1	R915	RC0805JR-071R3L	YAGEO
5	RES-0402-27 $\Omega$ , 5%, 1/16W	0402	5	R535, R733, R737, R1414, R1415	RC0402JR-0727RL	YAGEO
6	RES-0402-33 $\Omega$ , 5%, 1/16W	0402	2	R405, R406	RC0402JR-0733RL	YAGEO
7	RES-0402-36 $\Omega$ , 1%, 1/16W	0402	1	R746	RC0402FR-0736RL	YAGEO
8	RES-0402-51 $\Omega$ , 5%, 1/16W	0402	3	R723, R730, R731	RC0402JR-0751RL	YAGEO
9	RES-0402-243 $\Omega$ , 1%, 1/16W	0402	2	R501, R502	RC0402FR-07243R	YAGEO
10	RES-0402-510 $\Omega$ , 5%, 1/16W	0402	5	R308, R407, R408, R1403, R1404	RC0402JR-07510RL	YAGEO
11	RES-0402-1k $\Omega$ , 5%, 1/16W	0201	13	R316, R403, R438, R507, R508, R713, R714, R715, R1408, R1411, R1413, R1501, R1606	RC0402JR-071KL	YAGEO
12	RES-0402-1.5k $\Omega$ , 1%, 1/16W	0402	2	R203, R404	RC0402FR-071K5L	YAGEO
13	RES-0201-2K $\Omega$ , 1%, 1/20W	0201	1	R617	RC0201FR-072KL	YAGEO
14	RES-0402-3.3k $\Omega$ , 5%, 1/16W	0402	15	R207, R208, R210, R212, R215, R216, R217, R218, R305, R306, R309, R311, R331, R906, R330	RC0402JR-073K3L	YAGEO
15	RES-0201-5.1K $\Omega$ , 1%, 1/20W	0201	1	R201	RC0201FR-075K1L	YAGEO
16	RES-0402-10K $\Omega$ , 1%, 1/16W	0402	15	R209, R211, T301, R320, R321, R322, R323, R325, R326, R534, R703, R916, R917, R1015, R1611	RC0402FR-0710KRL	YAGEO
17	RES-0402-24K $\Omega$ , 5%, 1/16W	0402	2	R409, R717	RC0402JR-0724KRL	YAGEO
18	RES-0402-33k $\Omega$ , 5%, 1/16W	0402	1	R401	RC0402JR-0733KL	YAGEO
19	RES-0402-39K $\Omega$ , 5%, 1/16W	0402	2	R318, R351	RC0402JR-0739KL	YAGEO
20	RES-0201-47K $\Omega$ , 5%, 1/20W	0201	2	R459, R831	RC0201JR-0747KL	YAGEO

21	RES-0402-47K $\Omega$ , 1%, 1/16W	0402	8	R527, R528, R529, R530, R531, R532, R533, R536	RC0402FR-0747KL	YAGEO
22	RES-0402-68K $\Omega$ , 1%, 1/16W	0402	1	R402	RC0402FR-0768KRL	YAGEO
23	RES-0402-390k $\Omega$ , 5%, 1/16W	0402	4	R458, R1020, R1410, R1412	RC0402JR-07390KL	YAGEO
24	RES-0402-330k $\Omega$ , 5%, 1/16W	0603	1	R315	RC0402JR-07330KL	YAGEO
25	RES-0402-1M $\Omega$ , 1%, 1/16W	0402	1	R214	RC0402FR-071ML	YAGEO
26	RES-0402-5. 1M $\Omega$ , 1%, 1/16W	0402	1	R213	RC0402FR-075M1L	YAGEO
27	RES-0603-0 $\Omega$ , 5%, 1/16W	0603	2	R122, R702	RC0603JR-070RL	YAGEO
28	RES-0805-0. 02 $\Omega$ , 1%, 1/8W	0805	1	R366	RL0805FR-070R02L	YAGEO
CAP						
1	CAP-0402-1uF, 10%, X5R, 6. 3V	0402	46	C107, C116, C118, C120, C132, C134, C135, C160, C207, C213, C314, C315, C316, C325, C327, C328, C331, C332, C333, C340, C410, C411, C412, C422, C424, C426, C428, C547, C631, C632	GRM155R60J105KE19D	MURATA
2	CAP-0402-470nF, 20%, X5R, 10V	0402	8	C623, C627, C628, C629, C649, C654, C1047, C1055	C0402X5R474M100NT	Eyang
3	CAP-0201-100nF, 20%, X5R, 6. 3V	0201	5	C434, C812, C813, C1004, C409	GRM033R60J104KE19D	MURATA
4	CAP-0402-100nF, 10%, X5R, 10V	0402	89	C104, C105, C106, C108, C109, C110, C111, C113, C114, C115, C121, C122, C123, C124, C125, C126, C127, C128, C131, C138, C139, C140, C142, C143, C144, C145, C146, C148, C149, C150	GRM155R71C104KA88D	MURATA
5	CAP-0402-47nF, 20%, X5R, 16V	0402	7	C310, C436, C437, C438, C439, C440, C441	C0402X5R473M160NT	Eyang
6	CAP-0402-1nF, 10%, X7R, 50V	0402	11	C344, C345, C346, C405, C406, C407, C427, C430, C431, C907, C1044	GRM155R71H102K	MURATA
7	CAP-0402-220pF, 10%, X7R, 50V	0402	1	C701	GRM155R71H221KA01D	MURATA
8	CAP-0402-100pF, 5%, COG, 50V	0201	7	C415, C421, C425, C452, C454, C458, C709	GRM1555C1H101JA01D	MURATA
9	CAP-0402-82pF, 5%, COG, 50V	0402	2	C719, C736	GRM1555C1H820JA01D	MURATA
10	CAP-0402-56pF, 5%, COG, 50V	0402	1	C710	GRM1555C1H560JA01D	MURATA

11	CAP-0402-33pF, 5%, COG, 50V	0402	16	C414, C416, C418, C420, C422, C428, C429, C432, C448, C449, C450, C451, C453, C457, L1011, C1040	GRM1555C1H330JA01D	MURATA
12	CAP-0402-18pF, 5%, COG, 50V	0402	10	C319, C324, C635, C639, C640, C712, C725, C728, C1005, C1030	GRM1555C1H180JA01D	MURATA
13	CAP-0402-10pF, 5%, COG, 50V	0402	3	C1002, C1048, C1051	GRM1555C1H100JA01D	MURATA
14	CAP-0402-4.7pF, 0.25pF, COG, 50V	0402	2	C616, C645	GRM1555C1H4R7CA01D	Murata
15	CAP-0402-3.9pF, 0.25pF, COG, 50V	0402	2	C632, C637	GRM1555C1H3R9C	Murata
16	CAP-0402-2.7pF, 0.25pF, COG, 50V	0402	2	C625, C626	GRM1555C1H2R7C	MURATA
17	CAP-0402-2.2pF, 0.25pF, COG, 50V	0402	2	C1042, C1046	GRM1555C1H2R2CA01D	Murata
18	CAP-0402-1.0pF, 0.25pF, COG, 50V	0402	1	C750	GRM1555C1H1R0C	MURATA
19	CAP-0402-0.5pF, 0.25pF, COG, 50V	0402	2	L623, C754	GRM1555C1HR50CZ01D	MURATA
20	CAP-0603-4.7uF, 10%, X5R, 6.3V	0603	21	C305, C306, C307, C323, C330, C509, C510, C511, C516, C517, C518, C523, C524, C525, C530, C531, C532, C533, C538, C539, C1401	GRM188R60J475KE19D	MURATA
21	CAP-0402-2.2uF, 20%, X5R, 6.3V	0603	8	C322, C901, C908, C911, C1001, C1008, C1019, C1028	GRM155R60J225ME15D	MURATA
22	CAP-0603-10uF, 20%, X5R, 6.3V	0603	11	C312, C320, C335, C338, C343, C544, C548, C703, C735, C1003, C1009	GRM188R60J106ME47D	MURATA
23	CAP-0603-22uF, 20%, X5R, 6.3V	0603	22	C132, C134, C341, C702, C129, C133, C135, C136, C147, C153, C301, C302, C303, C304, C311, C435, C455, C456, C459, C463, C903, C917	GRM188R60J226MEA0D	MURATA
24	CAP-0603-1uF, 10%, 50V	0603	6	C308, C367, C313, C902, C905, C906	C0603X5R105K500NT	EYANG
25	CAP-0805-10uF, 20%, X5R, 16V	0805	1	C309	C0805X5R106M160NT	Eyang
26	CAP-0805-22uF, 20%, X5R, 6.3V	0805	1	C1404	C0805X5R226M6R3NT	Eyang
Ind						
1	IND-0402-100nH, 5%	0402	1	L401	LQG15HSR10J02D	MURATA

2	IND-0402-33nH, 5%	0402	1	L618	LQG15HS33NJ02D	MURATA
3	IND-0402-27nH, 5%	0402	1	L1010	LQG15HS27NJ02D	MURATA
4	IND-0402-22nH, 5%	0402	1	L615	LQG15HS22NJ02D	MURATA
5	IND-0402-6. 8nH, 5%	0402	1	L1008	LQG15HS6N8J02D	MURATA
6	IND-0402-4. 7nH, +/-0. 3nH	0402	2	C641, C676	LQG15HS4N7S02D	MURATA
7	IND-0402-4. 3nH, 5%	0402	1	L631	LQG15HS4N3J02D	MURATA
8	IND-0402-3. 6nH, +/-0. 3nH	0402	1	L613	LQG15HS3N6S02D	MURATA
9	IND-0402-3. 3nH, +/-0. 3nH	0402	2	L635, C638	LQG15HS3N3S02D	MURATA
10	IND-0402-3. 0nH, +/-0. 3nH	0402	1	L653	LQG15HS3N0S02D	MURATA
11	IND-0402-2. 7nH, +/-0. 3nH	0402	2	L619, L638	LQG15HS2N7S02D	MURATA
12	IND-0402-1. 8nH, +/-0. 3nH	0402	4	C684, C708, C745, C685	LQG15HS1N8S02D	MURATA
13	IND-0402-1. 0nH, +/-0. 3nH	0402	1	C726	LQG15HS1N0S02D	MURATA
14	IND-1212 4. 7uH, 20%, Rdc=0. 13R, 1200mA 1. 5mm	1212	1	L901	NRH3012T4R7	TAIYO
15	IND-PWR-1008- 0. 68uH, 20%, 2500mA, Rdc=0. 04 6R 1. 0mm	1008	3	L301, L302, L303	VLS252010MNT-R68N	TDK
16	IND-PWR-1008- 1. 0uH, 20%, 2100mA, Rdc=0. 054 R 1. 0mm	1008	2	L304, L307	VLS252010MNT-1R0N	TDK
17	IND-PWR-1008- 2. 2uH, 20%, 1300mA, 1. 0mm	1008	3	L306, L308, L1001	LQM2HPN2R2MG0L	MARATA
18	IND-BEAD-0402- 120R/100MHZ, DCR=0. 25R, 500mA	0402	15	B401, B402, B403, B404, B417, R914, R918, R919, R920, R921 , B1001, B1002, B1003, R1607, R1609	BLM15AG121SN1D	MURATA
19	IND-BEAD- 0603, 220R@100MHz, , DCR=0. 1R 1400mA	0603	11	B406, B407, B411, B412, B413, B414, B415, B416, R722, B901 , B902	BLM18PG221SN1D	MURATA
20	IND-BEAD- 0603, 1K/100MHz, 0. 5DCR, 400mA	0603	1	B405	BLM18AG102SN1D	MURATA
21	IND-BEAD- 0603, 2. 5K@1GHz, 250mA	0603	3	B408, B409, B410	BLM18BD252SN1D	MURATA
Other						

1	IC-AP/BP, 1. 2G 4CORE, WCDMA	MT8389WK	1	U201	MT8389WK	MTK
2	IC-PMIC, MT6320GA	MT6320GA	1	U301	MT6320GA	MTK
3	IC-CHARGE IC, bq24196RGER	bq24196RGER	1	U304	bq24196RGER	TI
4	IC-TRANCEIVER, MT6167	MT6167	1	U601	MT6167	MTK
5	IC-QUAD-GSM EDGE PA, AP6690	AP6690	1	U702	AP6690	AIROHA
6	IC-DDR3, 4Gb, 16bit, 1. 5V, H5TQ4G63AFR-PBC	H5TQ4G63AFR-PBC	2	U502, U503	H5TQ4G63AFR-PBC	HY
7	IC-eMMC, 16GB, KE4CN4K6A	KE4CN4K6A	1	U501	KE4CN4K6A	Kingston
8	IC-WCDMA PA BAND1, RF7241	RF7241	1	U713	RF7241	RFMD
9	IC-WCDMA PA BAND5, RF7245	RF7245	1	U708	RF7245	RFMD
10	IC-SAW-UMTS2100, 2016, D6PE2G140P3AW	D6PE2G140P3AW	1	U616	D6PE2G140P3AW	TAIYO
11	IC-SAW-UMTS850, 2016, D5PE881M5P3EZ-ZA	D5PE881M5P3EZ-ZA	1	U607	D5PE881M5P3EZ-ZA	TAIYO
12	IC-SAW-GSM900 SAW, SFH942PQ102	SFH942PQ102	1	U604	SFH942PQ102	WISOL
13	IC-SAW-GSM1800/1900, B39202-B9513-L310	B39202-B9513-L310	1	U611	B39202-B9513-L310	EPCOS
14	IC-I/O-BLED, MAX=4S10P, 18V	EUP25860IR1	1	U903	EUP25860IR1	EUTECH
15	IC-MT6628QP, WIFI/BT/FM/GPS 4IN1 COB	MT6628QP	1	U1001	MT6628QP	MTK
16	IC-GPS-LNA, Airoha	AR8159	1	U1004	AR8159	Airoha

17	IC-SPDT, 2. 5G/1. 5G	MDPX22M1524P69-D01	1	U1007	MDPX22M1524P69-D01	microgate
18	IC-WIFI-SAW, 2. 5G	MGMB18H1-2450B12	1	F1001	MGMB18H1-2450B12	microgate
19	IC-SAW-1. 5G, GPS SAW	SFG1411GCBTOLF	1	F1002	SFG1411GCBTOLF	pilkorcnd
20	OSC-32. 768KHz, 12. 5pF, +/- 20ppm, 1mm	EP. FC-135 32. 768K 12. 5	1	X301	EP. FC-135 32. 768K 1	EPSON
21	OSC-26MHz VX0, 2520, 0. 5PPM	ENG3216B	1	U1003	ENG3216B	NDK
23	OSC-26MHz CRYS, 3225, Cp=7. 5pF	EXS00A-CS03170	1	X601	EXS00A-CS03170	NDK
24	IC-I/O-D_PA, 1. 4W, AW8145CSR	AW8145CSR	2	U402, U403	AW8145CSR	AIWEI
25	DIO- 0402, VF<0. 5V, ttr<5ns, <0. 2A	RB520G-30	2	D1402, D1404	RB520G-30	ROHM
26	DIO- SOD923, VF<0. 35V, VR=30V, Idc=0. 1A	RB521CS-30-30T2R	3	D301, D303, D304	RB521CS-30-30T2R	ROHM
27	DIO- UMD2, VF<0. 57V&1A, VRDC=40V	WSB5503W-2/TR	2	D310, D901	WSB5503W-2/TR	WILL
28	EMI&ESD- ESD, B_TVS, 0402, 5V, 3-6pF, 10KV	ESD9B5VL-2/TR	15	T405, T406, T302, T403, T404, T1404, T1412, T1413, T1414, T1415, T1417, T1501, T1502, T1503, C1504	ESD9B5VL-2/TR	willsemi
29	MOSFET-NMOS, 2SK3541	2SK3541	1	Q901	2SK3541	JCST
30	IC-I/O-SWITCH, PI5A4684GAE	PI5A4684GAE	1	U901	PI5A4684GAE	PERICOM
31	IC-GSENSOR, 1. 8-3. 3V, 10bit AD, BMA250E	BMA250E	1	U1601	BMA250E	BOSCH
32	DIO-Io>1A, VS=5. 1v,	MMSZ5231BT1G	1	D306	MMSZ5231BT1G	On semi
33	EMI&ESD- ESD, 10PIN, 0. 3pF, 12KV, 4CHAN	RCLAMP0524PA	1	EMI1105	RCLAMP0524PA	SEMTECH
34	EMI&ESD- EMI, 4PIN, 1CHANNEL, 90R	DLPONSN900HL2	10	EMI901, EMI902, EMI903, EMI904, EMI905, EMI906, EMI907, EMI908, EMI909, EMI910	DLPONSN900HL2	MURATA
35	IC-I/O- DRIVER, SGM7227YUWQ10G/TR	SGM7227YUWQ10G/TR	1	U1402	SGM7227YUWQ10G/TR	SGMC

36	CON-SIM, SIM-PUSH, S1SP-150006-12G	S1SP-150006-12G	1	SIM1501	S1SP-150006-12G	XINR
37	CON-BTA, 32P, AA07A-S032VA1	AA07A-S032VA1	1	J901	AA07A-S032VA1	JAE
38	CON-FPC, 6PIN-ZIF, ECF051006GLB-3	ECF051006GLB-3	2	J904, J1401	ECF051006GLB-3	YKX
39	CON-BTB 30P, BBR43-30KB533	BBR43-30KB533	1	CAM801	BBR43-30KB533	LZH
40	CON-BTB 24P, BBR43-24kb533	BBR43-24kb533	3	CAM802, J1404, J1601	BBR43-24kb533	LZH
41	CON-RF SMB, 50R	ECRC003151	2	P701, P1001	ECRC003151	YKX
42	SLD-QP78, BB-SLD	QP78-BB-SLD	1	BB-SLD	QP78-BB-SLD	WEIT
43	SLD-QP78, RF-SLD	QP78-RF-SLD	1	RF-SLD	QP78-RF-SLD	WEIT
44	SLD-QP78, 4IN1-SLD	QP78-4IN1-SLD	1	4IN1-SLD	QP78-4IN1-SLD	WEIT
45	OTHER-818009999	818009999	2	J1, J2	818009999	ECT
46	OTHER-PTC3121N	PTC3121N	7	SLD2, SLD4, SLD6, SLD8, SLD10, SLD12, SLD14	PTC3121N	POCONS
50	PCB-QP78MAIN, V1. 1	QP78MAIN-PCB V1. 1	1		QP78MAIN-PCB V1. 1	