

Designator	Mfg Part (MPN)	Brand	Value	Footprint
ANT1, ANT2	NN02-224	Ignion	NN02-224	NN02-224
C1, C2	CL10A475KP8NNNC	Samsung	4.7uF	CAP_0603_M
C6	C0603C105M4RAC7411	KEMET	1uF	CAP_0603_M
C10, C12, C39, C3, C4, C5, C7, C13, C:	C0603C104M4RAC7411	KEMET	100nF	CAP_0603_M
C11	GRM1885C1H101JA01D	Murata Electronic	100pF	CAP_0603_M
C15, C16, C22, C25, C29	CL21A226KQCLRNC	Samsung	22uF	CAP_0805_M
C18, C27	CC0603JRNPO9BN100	Yageo	10pF	CAP_0603_M
C21	CGA3E1X7R1E224K080AC	TDK	220nF	CAP_0603_M
C24, C31	CC0603JRNPO9BN100	Yageo	10pF	CAP_0603_M
C32	CL10C470JB8NNNC	Samsung	47pF	CAP_0603_M
C35	GRM188R61A226ME15D	Murata Electronic	22uF	CAP_0603_M
C36, C38, C40, C41, C45, C46, C9	CL10A106MQ8NNNC	Samsung	10uF	CAP_0603_M
C37	Do not populate	Rubycon	NC	CAPPRD500W60D1050H2200_AD6
C42	HS1625-3R8227-R	Eaton	220F 3.8V	CAPP-12.7/8.8x2.54
C43	GRM31CR60J107MEA8K	Murata Electronic	100uF	CAPP_1206_M
C44	HS1625-3R8227-R	Eaton	NC	CAPP-12.7/8.8x2.54
D1	150060RS73220	Würth Electronics	LED 0603 Red 632nm	DIO_0603_M
D2	SS34	GOODWORK	SS34	SMA
J2	FFC3B07-20-T	GCT	FFC3B07	FFC3B07-20-T
J3	USB4145-03-0230-C	GCT	USB4145	USB4145-03-0230-C
J4, J6	U.FL-R-SMT-1(01)	Hirose Electric Co	LoRa	HIROSE_U.FL-R-SMT-1
J5	B5B-XH-A	JST	DBM-r3	TB-1x5/2.54/13x7/Sc_H
J7		110990030 Seeed Studio	Grove I2C	1597-1082-ND
J8		110990030 Seeed Studio	Grove UART	1597-1082-ND
J9		61300311121 Würth Electronics	I2C	HDR-1x3
J10, J11		61300611821 Würth Electronics	SWD	HDR-1x6
J12, J1	U.FL-R-SMT-1(01)	Hirose Electric Co	GNSS	HIROSE_U.FL-R-SMT-1
J13	B2B-XH-A	JST	SOLAR	OST_TB-1X2_2.54_6X7_SC_H
J14	B2B-XH-A	JST	BATTERY	OST_TB-1X2_2.54_6X7_SC_H
J15	B2B-XH-A	JST	LiPo	OST_TB-1X2_2.54_6X7_SC_H
J16		61300311121 Würth Electronics		HDR-1x3
L1	LRC0603CJ68NGV001T	Johanson Techno	68nH	IND_0603_M
L2	LRC0603CJ33NGV001T	Johanson Techno	33nH/NC	IND_0603_M
L3	DFE252010F-100M=P2	Murata Electronic	10uH	INDC250X200X100L50M_AD1
L4	SRN3010C-2R2M	Bourns	2.2uH 1.5A	TDK_VLS3015E
M1	LC76GPAMD	Quectel	LC76G	LG76G
Q1	AO3400A	Alpha & Omega Semiconductor		SOT23-3P95_280X125L45X40N_AD1
R1, R21, R3, R6	ERJ3EKF1000V	Panasonic	100R	RES_0603_M
R2	ERJ3EKF10R0V	Panasonic	10R	RES_0603_M
R4, R5	ERJ3EKF5101V	Panasonic	5.1K	RES_0603_M
R7	ERJ3EKF1001V	Panasonic	1K	RES_0603_M
R10, R13, R8, R9	ERJ3EKF1002V	Panasonic	10K	RES_0603_M
R11, R12	ERJ3EKF4701V	Panasonic	4.7K	RES_0603_M
R14, R15	ERJ3EKF1003V	Panasonic	100K	RES_0603_M
R17	CRCW06032M67FKEA.	Vishay	2.67M	RES_0603_M
R18	ERJ3EKF1004V	Panasonic	1M	RES_0603_M
R19	ERJ-3EKF2943V	Panasonic	294K	RES_0603_M
R20	RMCF0603FT6M04	Stackpole Electroni	6.04M	RES_0603_M
R23	ERJ3GEY0R00V	Panasonic	0R	RES_0402_M
R25	ERJ3GEY0R00V	Panasonic	0R	RES_0603_M
S1, S2	B3F-1000	Omron	B3F	OMRON_B3F-1000
U1	MAX40200AUK+T	Analog Devices	MAX40200	SOT23-5P95_270X145L35X35M
U2	CP2102N-A02-GQFN28R	Silicon Labs	CP2102	QFN-28/5x5x0.5
U3	STM32WL5MOCH6TR	STMicroelectroni	STM32WL5MOC	STM32WL5MOC
U4, U5	XS3A1T3157GMX	Nexperia	XS3A1T3157	PSON6P50_145X100X55L30X20L
U6	MB85RC64TAPNF-G-BDERE1	Fujitsu	MB85RC64TA	SOIC8P127_485X600X175L71X41M
U7	W25Q16JVSNIQ	Winbond	W25Q16	SOIC8P127_485X600X175L71X41N
U8	IIS2MDC	STMicroelectroni	IIS2MDC	IIS2MDC
U10	SHTC3	Sensirion	SHTC3	SHTC3
U11, U9	TPS22919DCKR	Texas Instrument	TPS22919	SOT23-6P65_210X100L25X20M
U13	AEM10300-QFN	e-peas	AEM10300	AEM10300
U14	APX809S-23SA-7	Diodes Inc.	APX809S	SOT23-3P95_230X110L30X43M
U15	TPS63001DR	Texas Instrument	TPS63001	SON11P50_300X300X100L40X24TL_AT1
U16	STMP52161STR	STMicroelectroni	STMP52161	SOT23-5P95_270X145L35X35M
U17	NCP1117LPST33T3G	Onsemi	NCP1117-3.3	SOT223-4P230_700X180L62X74N_AD1
Z7	GJM1555C1H6R1WB01D	Murata Electronic	6.1pF	CAP_0402_M
Z9	GJM1555C1HR40WB01D	Murata Electronic	0.4pF	CAP_0402_M
Z10, Z1, Z4	ERJ2GE0R00X	Panasonic	0R	CAP_0402_M
Z11, Z8	LQW15AN1N3C80D	Murata Electronic	1.3nH	CAP_0402_M
Z12	LQW15AN15NG80D	Murata Electronic	15nH	CAP_0402_M
C33	Do not populate		10uF/NC	CAP_0603_M
C34	Do not populate		27pF/NC	CAP_0603_M
M2	Do not populate		EM2050	EM2050
R16	Do not populate		10R/NC	RES_0603_M
R22, R24	Do not populate		0R/NC	RES_0402_M
TP1, TP2, TP3			TH/Obr1.3x2.6_R0.8	
U12	MAX40200AUK+T	Analog Devices	MAX40200/NC	SOT23-5P95_270X145L35X35M
Z2, Z3, Z5, Z6	Do not populate		NC	CAP_0402_M