













Designator	Description	Comment	Manufacturer_Na me	Manufacturer_Par t_Number	Footprint	Quantity
C1, C2, C3, C5, C6	Capacitor	10uF	Samsung Electro- Mechanics	CL32B106KMVNN WE	CAPC3225X280N	5
C4	Capacitor Polarised	100uF	Panasonic	8TPE100MAZB	CAPPM3528X200N	1
C7	Capacitor	10nF	Kemet	C0805C103J3GACT U	CAPC2012X88N	1
C8, C9, C10, C11, C12, C33, C34	Capacitor	100nF	Vishay	VJ0603Y104JXJAC	CAPC1608X97N	7
CL1, CL2	Capacitor	4pF	Samsung Electro- Mechanics	CL10C040CB8NNN C	CAPC1608X90N	2
D11	Diode	BAS3010A03WE6327H TSA1	Infineon	BAS3010A03WE63 27HTSA1	SOD2513X110N	1
FB1	Ferrite Bead	220 Ohm	TDK	MPZ1608S221ATA 00	BEADC1608X75N	1
IC1	Integrated Circuit	LMZ36002RVQT	Texas Instruments	LMZ36002RVQT	LMZ36002RVQR	1
IC2	Integrated Circuit	USBLC6-2SC6	STMicroelectronic s	USBLC6-2SC6	SOT95P280X145-6N	1
IC3	Integrated Circuit	AP2114H-3.3TRG1	Diodes Inc.	AP2114H-3.3TRG1	SOT230P700X180-4N	1
IC4	Integrated Circuit	MAX3394EEBL+T	Maxim Integrated	MAX3394EEBL+T	BGA8C50P3X3_160X1 60X67	1
IC11	Integrated Circuit	ISO1044BDR	Texas Instruments	ISO1044BDR	SOIC127P600X175-8N	1
J1	Connector	SWD	Harwin	M50-3600542R	HUSSP10W40P127_2X 5_635X340X420P	1
J2	Connector	Micro-USB	TE Connectivity	1981584-1	19815841	1
J3, J7	Connector	8_PIN	Hirose	DF13A-8P- 1.25H(21)	DF13A8P125H21	2
J4	No Description Available	TSW-107-08-G-T-RA		TSW-107-08-G-T- RA	TSW-107-08-T-T- RA_SAI	1
J8, J9, J10, J12	Connector	DF13A-4P-1.25H_21_	Hirose	DF13A-4P- 1.25H(21)	DF13A4P125H21	4
LED1, LED2, LED3	LED	Green	OSRAM	LG Q396-PS-35	LGQ396PS35	3
MCU1	Integrated Circuit	STM32G474RBT6	STMicroelectronic s	STM32G474RBT6	QFP50P1200X1200X16 0-64N	1
P1, P2		PowerPad			POWER_PAD_S	2
R1, R2, R13, R21, R22	Resistor	10k	Vishay	MCT06030C1002F P500	RESC1608X55N	5
R3, R4, R5	Resistor	1k	Vishay	MCT06030C1001F P500	RESC1608X55N	3
R17	Resistor	120R	Panasonic	ERJPA3J121V	RESC1608X55N	1
RADJ1	Resistor	5.05k	Yageo	RT0805BRD075K0 5L	R0805	1
RT1	Resistor	49.9k	Panasonic	ERJ-6ENF4992V	R0805	1
S1	Switch	CAS-D20A1	Copal Electronics	CAS-D20A1	CASD20A1	1
SB1, SB2	Solder Bridge	Solder Bridge		RC0603JR-070RL	SOLDER- BRIDGE_R0603-0R	2
SW2	Switch	RST	C & K COMPONENTS	PTS 647 SK38 SMTR2 LFS	PTS647SK38SMTR2LFS	1
Y1	Crystal or Oscillator	ABM8W-16.0000MHZ- 8-B1U-T3	ABRACON	ABM8W- 16.0000MHZ-8- B1U-T3	ABM8W160000MHZ8 B1UT3	1