Designator	Value / Comment	Description	Footprint	Library reference	Quantity
C1, C3, C11	100nF	Capacitor	C0603	Cap	3
C2	0.33uF	Capacitor Polarised	CAPPRD200W50D500H600		1
C4	47nF	Capacitor	C0603	Cap	1
C5	10uF	Capacitor Polarised	CAPPRD200W50D500H600	ECE-A1EKS100	1
C6	1nF	Capacitor	C0603	Cap	1
C7	4.7nF	Capacitor	MKS2C033301C00MI00	MKS2C033301C00MI00	1
C8, C9	33uF	Capacitor Polarised	CAPPRD200W50D500H600	ECE-A1EKS100	2
C10	0.1uF	Capacitor Polarised	CAPPRD200W50D500H600	ECE-A1EKS100	1
D1, D2, D3, D4, D5, D6,	U.IUF	Capacitoi Fotaliseu	CAPPND200W30D300H000	ECE-ATENSIOU	1
D7, D8, D10	LED_SMD	LED RED CLEAR 0603 SMD	0603_LED	LED_SMD	9
D9, D11	1N5817	Schottky Diode	DIOAD950W60L350D150	SD103A-TR	2
IC1	MAX734CSA+	Integrated Circuit	SOIC127P600X175-8N	MAX734CSA+	1
IC2	DG419DY	Integrated Circuit	SOIC127P600X175-8N	DG419DY	1
IC3, IC4, IC9	74HC595D	Integrated Circuit	SOIC127P600X175-16N	74HC595D	3
IC5, IC6, IC7, IC8	74HC257D,652	Integrated Circuit	74HC257D652	74HC257D,652	4
J1	691321300002	Connector	SHDR2W80P0X381_1X2_87 1X700X940P	691321300002	1
J2	M20-9990645	Connector	HDRV6W66P0X254_1X6_15 24X254X874P	M20-9990645	1
J3	54819-0519-v1	USB - mini B USB 2.0 OTG Receptacle Connector 5 Position Through Hole, Right Angle	MOLEX_54819-0519-v1	54819-0519-v1	1
L1	22uF	Inductor RF Molded Wirewound 22uH 10% 100KHz 27Q-Factor Ferrite 0.14A 2.65Ohm DCR 1210 Automotive T/R	INDC3225X210N	B82422A1223K100	1
PW1, PW3, PW4	87527-3	Conn Unshrouded Header HDR 3 POS 2.54mm Solder ST Thru-Hole Carton	TE_87527-3	87527-3	3
PW2	TSW-103-07-F-D		SAMTEC_TSW-103-07-F-D	TSW-103-07-F-D	1
Q1, Q2, Q4, Q5	2N2222A	High Speed Switch, 0.6 A IC, -65 to 175 degC, 3-Pin TO-18, RoHS, Bulk	STM-TO-18-3	CMP-2000-05381-1	4
Q3	2N2907A	Transistor BJT PNP	CENTRAL_TO18	2N2907A	1
Q0, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14,	BSS138BK	MOSFET (N-Channel)	TL431CDBZR215	BSS138BK	15
Q15, Q16, Q17, Q18,					
R1,R44,R52,R56	10k	Resistor	R0805	Res1	104
R2,R3,R4,R5,R6,R7,R8, R9,R18,R46,R48,R105, R106,R107,R108,R109, R110,R111,R112	1k	Resistor	R0805	Res1	104
R10,R11,R12,R13,R14, R15,R16,R17,R19,R20, R21,R22,R23,R24,R25, R26,R61,R62,R63,R64, R65,R66,R67,R68,R69, R70,R71,R72,R73,R74	1M	Resistor	R0805	Res1	104
R32,R33,R34,R35,R36, R37,R38,R39,R40,R41, R42	100k	Resistor	R0805	Res1	104
R43,R47,R59,R60	2k	Resistor	R0805	Res1	104
R45,R113	240	Resistor	R0805	Res1	104

Designator	Value / Comment	Description	Footprint	Library reference	Quantity
R49	220	Resistor	R0805	Res1	104
R50	820	Resistor	R0805	Res1	104
R51	3.3k	Resistor	R0805	Res1	104
R53,R54,R55,R57	4.7k	Resistor	R0805	Res1	104
R79,R80,R81,R82,R83, R84,R85,R86,R87,R88, R89,R90,R91,R92,R93, R94,R95,R96,R97,R98, R99,R100,R101,R102, R103,R104	2.2k	Resistor	R0805	Res1	104
S1, S2, S3, S4	418117270908	Switch	DIPS762W60P254L2132H6 95Q16N	418117270908	4
U1	M27C512-90F6	EPROM - UV Memory IC 512Kb (64K x 8) Parallel 90 ns 28-CDIP Frit Seal with Window	DIP254P1524X572-28	M27C512-90F6	1
U2	L7805CV	Positive Voltage Regulator, 5V, 3-Pin TO-220	TO220	CMP-0244-00483-1	1
U3	LMC6482IN	Operational Amplifiers - Op Amps CMOS Dual Rail- to-Rail Input and Output Operational Amplifier 8- PDIP -40 to 85	DIP254P762X508-8	LMC6482IN	1
U4	LM317T	Adjustable Voltage	TO-220	CMP-0244-00444-1	1
U5	STM32F103C6T6A _BLUE_PILL		TE_1-535541-8	STM32F103_BLUE_PILL	1
U6	74HC165D	8-bit serial or parallel- in/serial-out shift registers, 16-SOIC	SOIC127P600X175-16N	74HC165D	1
X1	1825910-6	Body Features: Product Orientation Vertical	18259106	1825910-6	1