

Comment	Description	Designator	Footprint	LibRef	Quantity
2.2 uF		C1, C4	TANT-A	Capasitor_Tantalum	2
0.1 uF		C2, C3, C6, C10, C14, C19, C20, C22, C23	C0603	Capasitor	9
0.01 uF		C5, C7, C11, C15	C0603	Capasitor	4
100 pF		C8, C12, C16	C0603	Capasitor	3
4.7 uF		C9, C21	C0603	Capasitor	2
1 uF		C13	C0603	Capasitor	1
15 pF		C17, C18	C0603	Capasitor	2
PMEG2010AEB	Schottky Barrier Diodes, 1A to 1.5A, Nexperia	D1	SOD-523	Diode Schottky	1
TPS73033DBVR	IC REG LINEAR 3.3V 200MA SOT 23-5	DA1	SOT-23-5	TPS73033DBV	1
120R@100MHz		L1, L2, L3	IND1206	Inductivity	3
100 uH		L4	IND1206	Inductivity	1
Header 6	Header, 6-Pin	P1	HDR1X6	Header 6	1
2N7002	MOSFET N-Channel 60V 115mA (Ta) 200mW (Ta) Surface Mount SOT-23 (TO- 236AB)	Q1	SOT-23-3	2N7002	1
MMBFJ201	JFET N-Channel 40V 350mW Surface Mount SOT-23-3	Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9	SOT-23-3	MMBFJ201	8
430 1%	Rext.	R1	R0603	Resistor	1
10 k		R2, R3, R4, R5, R6, R7	R0603	Resistor	6
200 R		R8, R9, R10, R11, R12, R13, R14, R15	R0603	Resistor	8
Button	SWITCH TACTILE SPST- NO 0.05A 32V	SF1, SF2	KMR221GLFS	Button	2
STM32F030F4P6	IC MCU 32BIT 16KB FLASH 20TSSOP	U1	TSSOP-20	STM32F030F4P6	1
AD8601WDRTZ-REEL7	IC OPAMP GP 1 CIRCUIT SOT23-5	U2	SOT-23-5	AD8601	1
LM3900	IC OPAMP GP 4 CIRCUIT 14SOIC	U3, U4	SOIC-14	LM3900	2
TCRT5000	SENSOR OPTO TRANS 15MM REFL PCB	U5, U6, U7, U8, U9, U10, U11, U12	TCRT5000	TCRT5000	8
24.0000MHZ	CRYSTAL 24.0000MHZ 9PF SMD	Y1	TSX-3225	Crystal	1