LIN	RD	Q	Part	MPN	DPN	DN
1	U1	1	ESP32 mod	ESP-WROOM-32D		
2	J2	1	LCD connector	ER-CON30HB-1		
3	U5	1	Boost converter 3.3V TSOT-23-6	AAT1217ICA-3.3-T1		digikey
4	L1	1	Inductor 0805	MLZ2012M4R7HT000		digikey
5	U2	1	usb micro qfn48	ATSAMD21G16B-MUT		
6	D1 D3 D4 D5 D6 D7	6	RGB LED, common anode 0606			
7	D2	1	IR emitter	APTD3216F3C-P22		digikey
8	U6	1	Opamp SOT-23-5	MCP6001T-I/OT		digikey
9	U3	1	LDO 3.3V SOT223	AZ1117EH-3.3TRG1		digikey
10	J1	1	USB connector	10118193-0001LF		digikey
11	C3 C6	2	100n cap 0603	06033C104KAT4A		digikey
12	C1 C2 C4 C5 C7 C8 C9	7	10u cap 0603	GRM188R61A106KE69D		digikey
13	R1 R2 R3 R14	4	330R 0603 resistor	RC0603FR-07330RL		digikey
14	R4 R16	2	2k 0603 resistor	ERJ-3EKF2001V		digikey
15	R5	1	1k 0603 resistor	RMCF0603FT1K00		digikey
16	R6 R7 R11 R12 R13 R15	6	100k 0603 resistor	RMCF0603FT100K		digikey
17	R8 R9 R10	3	4.7k 0603 resistor	CRG0603F4K7		digikey
	TOTAL	40				