

Comment	Description	Designator	Footprint	LibRef	Quantity
LED	Typical RED GaAs LED	1, 2, 3.3v, 5v, 24V, v usb	SMD _LED	LED1	
ad8210		ad8210	ad8210	Component_1	
Buzzer	Header, 2-Pin	BUZZER	BUZZER	Header 2	
3n3F	Capacitor (Semiconductor SIM Model)	C1	CC3225-1210	Cap Semi	
100nF	Capacitor (Semiconductor SIM		CC2012-0805	Cap Semi	1
	Model) Capacitor	C27, C28			
20pF	(Semiconductor SIM Model)	C6, C7	CC2012-0805	Cap Semi	
10uF	Capacitor (Semiconductor SIM Model)	C9, C12, C20, C21, C22	CC3225-1210	Cap Semi	
10nF	Capacitor (Semiconductor SIM Model)	C10, C11	CC2012-0805	Cap Semi	
470uF	Polarized Capacitor (Surface Mount)	C13, C24	470UF/50V	Cap Pol3	
SMD 470uF	Polarized Capacitor (Axial)	C14	SV-G	Cap Pol2	
220nF	Capacitor (Semiconductor SIM Model)	C15, C16	CC2012-0805	Cap Semi	
4.7uF	Polarized Capacitor (Surface Mount)	C17, C18	CR3216-1206	Cap Pol3	
CONNOM	Header, 4-Pin	CAN1, CAN2,	LOCKEDHDR-4W	Header 4	
1N4148	High Conductance	D1, D2, D3, D4, D5,	MURS120	Diode 1N4148	1
D Schottky SS84	Fast Diode Schottky Diode	D6, D7, D8, D9, D10 D11	sch_diode	D Schottky	
Header 5	Header, 5-Pin	Encoder	lockedHDR-5W	Header 5	
20A Fuse	Fuse	F1	FUSE SOCKET	Fuse 1	
HIP4081	ruse	HIP4081	PCBComponent 1	Component_1	
10pin		JTAG	10_pin_jtag	Component 1	
	Industor	L1			
Inductor	Inductor 800mA Low-Dropout		MSS1260	Inductor	
LM1117MP-3.3	Linear Regulator	LIVITIT7	MP04A_N	LM1117MP-3.3	
lm2596		LM2596	lm2596	Component_1	
LTC1263	5V to 12V	MAX662	SO-8	MAX662A	
POWER	Connector	Power	LOCKEDPWRHDR	CON2	
RLR3705Z	HEXFET N-Channel Power MOSFET	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	TO-252AA	IRLR3705	
33R	Resistor, Semiconductor Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R23	CR2012-0805	Res2, Res Semi	
100k	Resistor, Semiconductor Resistor	R9, R10, R12, R13, R15, R16, R17, R18	CR2012-0805	Res2, Res Semi	
10R	Resistor	R11	CR2012-0805	Res2	
1k	Resistor	R14, R21, R22	CR2012-0805	Res2	
330R	Resistor	R19, R20	CR2012-0805	Res2	
10k	Resistor	R24	CR2012-0805	Res2	
2k	Semiconductor Resistor	R25	CR2012-0805	Res Semi	
0.007R	Resistor	R26	CR6332-2512	Res2	
RESET	Single-Pole, Single-	RESET	PUSH SWITCH	SW-SPST	
STM32F103CBT6	Throw Switch STM32 ARM-based 32-bit MCU with 128 Kbytes Flash, 48-pin LQFP, Industrial Temperature		LQFP48_N	STM32F103CBT6	
BC847	NPN Bipolar Transistor	T1	SO-G3/C2.5	QNPN	
tja1050		TJA1050	ad8210	tja1050	
SN74LS02D	Quadruple 2-Input Positive-NOR Gate	U1	D014	SN74LS02D	
ARMP	Header, 3-Pin	USB, Vref	HDR1X3	Header3	
			BCY-W2/E4.7	XTAL	
8.000MHz	Crystal Oscillator	X1	DUT-VV2/E4./		