











Comment	Quantity	Designator	LCSC Part #	Footprint	Description	LibRef
		C2, C10, C11, C14,				
100nF	16	C15, C16, C18, C20,	C14663	CAPC160X80X90L35N		capacitor
TOOTIF		C21, C26, C29, C32,	C 14003	CAL CTOOKOOK POESSIN		capacitoi
		C33, C34, C37, C41				
10k		R4, R9, R10, R12, R13,		RESC160X80X90L30N		
	13	R14, R15, R16, R17,	C25804			Resistor
		R19, R26, R27, R28				
22		C8, C13, C27, C30,	0.45700	CADC200V42FV440LF0NL		
22uF	,	C31, C35, C38, C39, C40	C45783	CAPC200X125X110L50N		capacitor
		C40 C4, C5, C6, C7, C17,				
10nF	7	C22, C24	C57112	CAPC160X80X90L35N		capacitor
180	F	R1, R2, R3, R11, R18	C22828	RESC160X80X90L30N		Resistor
1uF		C9, C12, C19, C23	C15849	CAPC160X80X90L35N		capacitor
1.8k		R5, R6, R7, R8	C4177	RESC160X80X90L30N		Resistor
0.033	2	R20, R22	C127689	RESC200X125X70L40N		Resistor
10uF	2	C28, C36	C15850	CAPC200X125X110L50N		capacitor
19-217/GHC-YR1S2/3T		DS1, DS3	C72043	LEDC160X80X60L30N	Green LED	LED
					GICCITEED	
20pf	2	C1, C3	C1648	CAPC160X80X90L35N		capacitor
100uH	2	L1, L2	C333986	INDC320X160X210L60N SOP10P50 300X490X110L55X22N	Inductor	Inductor
INA226AIDGSR		2 IC2, IC4	C49851	_	Integrated Circuit	INA226AIDGSR Switch
Switch TWO PADS for TEC		2 S1, S2 2 P3, P5		Tactile switch TWO PADS	Switch	TWO PADS for TEC
TWO PADS TOLLTEC		2 73, 73		IWO FADS	Aluminum	TWO PADS TOLLIEC
	1	I C25	C249771	PNSC-FP-V-C_V	Electrolytic	CMP-2000-06213-1
					Capacitor, 22 uF, +/-	
#NAME?						
					(Size Code C), -55 to	
					105 degC, RoHS, Tape	
					and Reel	
0.01		R24	C127689	RESC200X125X70L40N		Resistor
0.1		R23	C25334	RESC310X152X65L45N		Resistor
3.3uH		L4	C280586	INDM730X660X300L160X290N	Inductor	Inductor
8Mhz		Y1	C115962	5032	Crystal Oscillator	XTAL
68uH 75k		L3 R25	C169377	INDM1250X1250X800L290X540N	Inductor	Inductor
820		R21	C46216 C23253	RESC160X80X90L30N RESC160X80X90L30N		Resistor Resistor
EC11J0924411		U2	623233	EC11J0924411	Rotary encoder	EC11J0924411
FC-2012HRK-620D		DS2	C84256	LEDC200X125X110L30N	Red LED	RED LED
1 C-20121 II(K-020D		D32	004230	EEDG2GGAT2GATTGESGIN	Precision	KEDLED
LM4041C12IDBZR	1	1 U4	C133587	DBZ0003A_N	Micropower Shunt	CMP-0366-00994-2
					Voltage Reference,	
					0.5% accuracy, 1.2 V,	
					15 ppm / degC, 12	
					mA, -40 to 85 degC, 3-	
					pin SOT-23 (DBZ),	
					Green (RoHS & no	
					Sb/Br)	
MCP1703AT-	1	U3	C144183	SOT-23A-CB3_M		CMP-0136-00758-1
3302E/CB NTC	-	P4	 	TWO PADS	-	TWO PADS for NTC
PADS for BMP		P6		FOUR PADS		PADS for BMP
SSD1306 OLED_big		Q1	 	SSD1306 OLED	I2C display	SSD1306 OLED_big
	<u>'</u>	1	 		ARM Cortex-M4 32-	big
		l U1	C89403	STM-LQFP48_L	bit MCU, 256 KB	STM32F373CCT6
1					Flash, 32 KB Internal	
CTM 420F27200T/	-				RAM, 36 I/Os, 48-pin	
STM32F373CCT6	1	101				
STM32F373CCT6	1				LQFP, -40 to 85 degC,	
SWD	1	P1		SWD	LQFP, -40 to 85 degC, Tray	SWD port
SWD TPS54201DDCR	1	P1 IC1		SOT95P280X110-6N	LOFP, -40 to 85 degC, Tray Integrated Circuit	TPS54201DDCR_1
SWD	1 1	P1			LQFP, -40 to 85 degC, Tray	