

	#Column Name Error:Manufacturer No Quantity	Designator	Description	Footprint	Comment	LibRef
2	3 49	Analog, P_IN, RaceDAC C1_WS1, C1_WS2,	Hirose DF13-5P-1.25H(20) C 100nF 100V 0603 MLCC X7R	DF13-5P-1.25H(20) C0603H08_M	DF13-5P-1.25H(20) 100nF	Hirose DF13-5P-1.25H(20) C 100nF 100V 0603 MLCC
		C2_WS1, C2_WS2,	O TOOM TOOV GOOD WEEGO ATT	00003i l00_ivi	10011	X7R
		C3_WS1, C3_WS2,				
		C4_WS1, C4_WS2, C5_WS1, C5_WS2,				
		C6_WS1, C6_WS2,				
		C7_WS1, C7_WS2,				
		C8_WS1, C8_WS2,				
		C9_WS1, C9_WS2, C10_WS1, C10_WS2,				
		C11_WS1, C11_WS2,				
		C12_WS1, C12_WS2,				
		C13_WS1, C13_WS2, C14_WS1, C14_WS2,				
		C15_WS1, C15_WS2,				
		C16_WS1, C16_WS2, C17, C17_WS1, C17_WS2, C27,				
		C31, C33, C34, C35, C36,				
		C38, C46, C47, C48, C49,				
3	2	C50, C53, C55 C16, C52	C 220nF 50V 0805 MLCC Y5V	C0805H085_L	220nF	C 220nF 50V 0805 MLCC
		010, 032	0 22011 30V 0003 WEGG 13V	0000311003_E	22011	Y5V
4	1	C18	C 1µF 6.3V 0603 MLCC X7R	C0603H08_M	1µF	C 1µF 6.3V 0603 MLCC
5	8	C19, C20, C21, C22, C28,	C 4.7µF 6.3V 0603 MLCC X5R	C0603H08_L	4.7μF	X7R C 4.7μF 6.3V 0603 MLCC
	l "	C29, C30, C32	0 4.7 pi  0.3 V	00003100_E		X5R
6	2	C23, C24	C 6pF 50V 0603 MLCC C0G/NP0	C0603H08_L	6pF	C 6pF 50V 0603 MLCC
7	5	C25, C26, C37, C56, C58	C 2.2µF 6.3V 0603 MLCC X7R	C0603H08_M	2.2µF	C0G/NP0 C 2.2µF 6.3V 0603 MLCC
		220, 020, 007, 000, 000		53003i 100_W	-	X7R
8	1	C39		C0805H06_M	TO BE DEFINED!	_C 0805
10	2 2	C40, C41 C42, C43	CPT 100µF 6.3V 1210 Tantal	C1206H08_M C1210_TANTAL_M	10μF 16V Tantal 100μF	_C 1206 CPT 100µF 6.3V 1210
10		042, 040	Of 1 100µ1 0.39 1210 failtai	O1210_IANTAL_W	Тоорі	Tantal
11	2	C44, C45	C 10µF 6.3V 0603 MLCC X5R	C0603H08_L	10μF	C 10µF 6.3V 0603 MLCC
12	1	C51	CPT 47µF 16V 1210 Tantal	C1210_TANTAL_M	47μF	X5R CPT 100µF 6.3V 1210
12	'	651	O1 1 47 μ1 10 V 12 10 Fallical	O1210_IANTAL_W	-7 μ	Tantal
13	1	C54		C1210H125_M	22μF	_C 1210
14 15	1 2	C57 CAN1, CAN2	Hirose DF13-4P-1.25H(20)	C0603H08_M DF13-4P-1.25H(20)	10nF DF13-4P-1.25H(20)	_C 0603 Hirose DF13-4P-1.25H(20)
16	1	CMC1	WURTH ELEKTRONIK - 744232090 - SIGNALFILTER, SMD, 900HM, 370MA	Murata 1206 CMC	WURTH ELEKTRONIK - 744232090 -	USB CMC 1206 WE
					SIGNALFILTER, SMD, 90OHM, 370MA	
17	34	D1_WS1, D1_WS2,	WS2812B RGB LED	WS2812B	WS2812B	CommonMod Choke 1206 WS2812B
"	] 37	D2_WS1, D2_WS2,	WOZUIZD NOD EED	W02012B	W 02012B	W02012B
		D3_WS1, D3_WS2,				
		D4_WS1, D4_WS2, D5_WS1, D5_WS2,				
		D6_WS1, D6_WS2,				
		D7_WS1, D7_WS2,				
		D8_WS1, D8_WS2,				
		D9_WS1, D9_WS2, D10_WS1, D10_WS2,				
		D11_WS1, D11_WS2,				
		D12_WS1, D12_WS2,				
		D13_WS1, D13_WS2, D14_WS1, D14_WS2,				
		D15_WS1, D15_WS2,				
		D16_WS1, D16_WS2,				
18	1	D17_WS1, D17_WS2 D16	Schottky Rectifier, 500mA, 40V	SOD123_H	LS MBR0540	LS MBR0540
19	4	D17, D19, D22, D24		CD 0603	LS CD0603	LS CD0603
20	1	D18	WURTH ELEKTRONIK - 824015 - DIODENARRAY, TVS	SOT95P255X116-6N	WURTH ELEKTRONIK - 824015 -	USB TVS Dioden Array
21	3	D20, D21, D23	Schottky Rectifier, 2A, 60V	SOD-123W	DIODENARRAY, TVS LS PMEG6020ER	824015 LS PMEG6020ER
22 23	1	D25	Control Notified Britain	SOT95P245X110-3N	Diode Array BAT_54C	Diode Array BAT_54C
23	1	DISP	240x128	DOGXL240*-7 + LED	EA DOGXL240-7	EA DOGXL240-7
24 25	3 2	GPS, ISP, RF-868P_LR IC1, IC2	Hirose DF13-6P-1.25H(20)  EMC-OPTIMIZED HIGH SPEED CAN TRANSCEIVER	DF13-6P-1.25H(20) SOIC127P600X175-8N	DF13-6P-1.25H(20) CAN Transceiver SN65HVD1040A	Hirose DF13-6P-1.25H(20) CAN Transceiver
20		101, 102	Ellio di Timbes Tilori di Ees di il Tidilosen en	00101211 0000110 014	O, II TIAI BOOK O CHOOL V B TO TO.	SN65HVD1040A
26	3	L1, R2, R3	F	R0805H05_M	Resistor	.Resistor
27	1	L2	Ferrit Bead 0603 1000Ohm 300mA	R0603H05_L	742792515	Ferrit Bead 0603 1000Ohm 300mA
28	3	Q1, Q2, Q4	Enhanced single channel power switches	SOT-23-5	Enhanced single channel power	HSS STMPS2151 High
	1				switches	Side Switch 500mA
29	1	Q3	N-Channel Enhancement Mode Field Effect Transistor	SOT95P245X110-3N	2N7002	(2151)/1000mA (2161) 2N7002
30	25	R1, R4, R5, R6, R8, R9,	Emiliones moder one Ends (Idiosau)	R0603H05_M	.Resistor	.Resistor
	1	R10, R11, R12, R17, R18,				
		R19, R20, R21, R22, R24, R25, R26, R29, R30, R31,				
		R32, R33, R34, R35				
31	1	R7	WURTH ELEKTRONIK - 82550040 - SMD VARISTOR POWER 0805 4VRMS	Varistor 0805	Varistor 0805 4V WE 82550040	Varistor 0805 4V WE
32	2	R13, R14		R0402H04_M	22R	82550040 .Resistor
33	3	R15, R16, R23		R0603H05_M	1k	.Resistor
34	2	R27, R28	Link Efficient AN ED Doort Country	R0603H05_M	10k	.Resistor
35 36	1 1	U1 U2	High Efficiency 10 LED Boost Converter  ARM Cortex-M4 32-bit MCU+FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 51 I/Os, 64-	SOT-23-5 STM-LQFP64_N	CAT4238 STM32F405RGT6	STU CAT4238 STM32F405RGT6
			pin LQFP, -40 to 85 degC, Tray			
37	2	U3, U4	LDO 5V 1.5A, EN, ERR	5-Pin TO-263	MIC29151-5.0	LDO MIC29151 5V 1.5A
	1					26VIN Enable Error Flag TO- 263-5
38	1	U5	LDO 5V High-Voltage 450mA Enable	TSOP65P640X120_HS-21N	TPS7B6750	LDO TPS7B6750 5V High-
		110				Voltage 450mA Enable
39	1	U6	200mA, Low Quiescent Current, Ultra-Low Noise, High PSRR Low Dropout Linear Regulator	SOT-23-5	LDO TPS799xx Ultra Low Noise, HIGH PSRR, 200mA	LDO TPS799xx Ultra Low Noise, HIGH PSRR, 200mA
	1					
40	1	USB	MOLEX - 105017-0001 - MICRO USB B, BUCHSE, SMT, RWKL, 5POL	Micro USB Molex	Molex Micro USB B	Molex Micro USB B
41	1	X1	ABRACON - ABS25-32.768KHZ-6-1-T - QUARZ, 32.768KHZ, 6PF, SMD	Abracon ABS25 Series Crystal	ABRACON - ABS25-32.768KHZ-6-1-T - QUARZ, 32.768KHZ, 6PF, SMD	Quarz 32.768khz
42	1	X2	MURATA - CSTCE8M00G55Z-R0 - RESONATOR, SMD 8.0MHZ	CSTCE_G15	8MHz, 33pF	Ceramic Resonator 8Mhz
43	1	μSD	MOLEX - 502774-0891 - BUCHSE, MICROSD, PUSH-PUSH, 1.8MM	Micro SD Connector 502774	Micro SD Connector	Molex MicroSD 502774