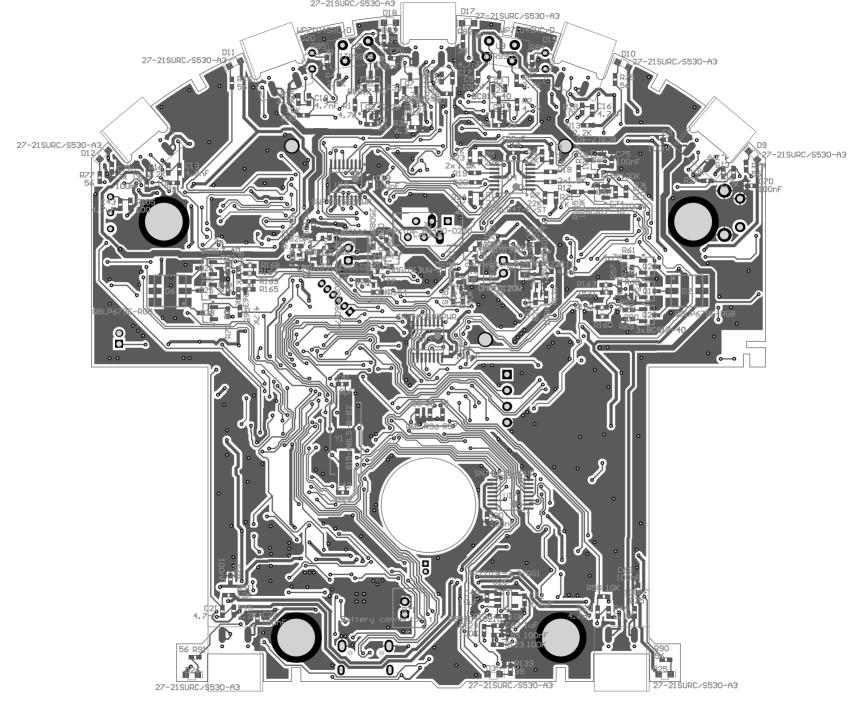
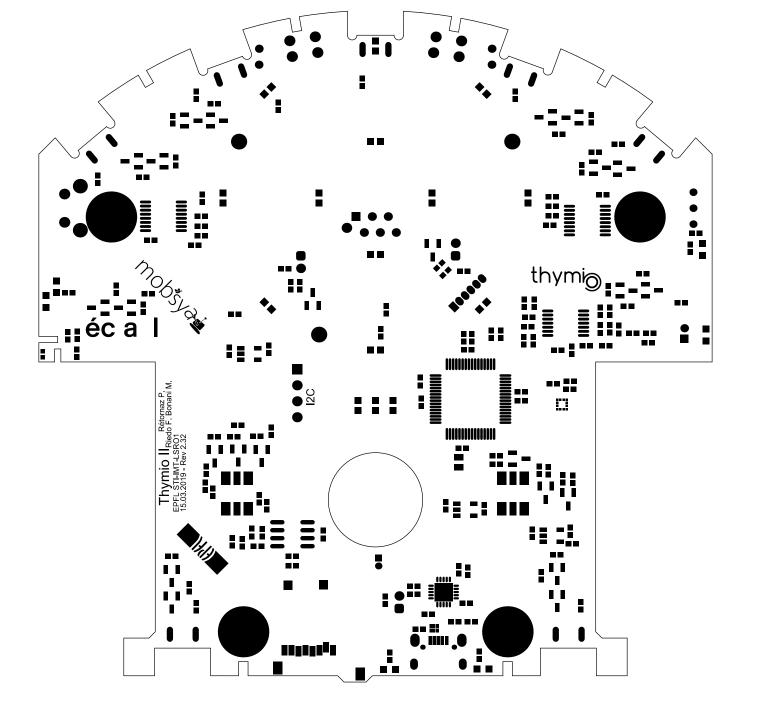
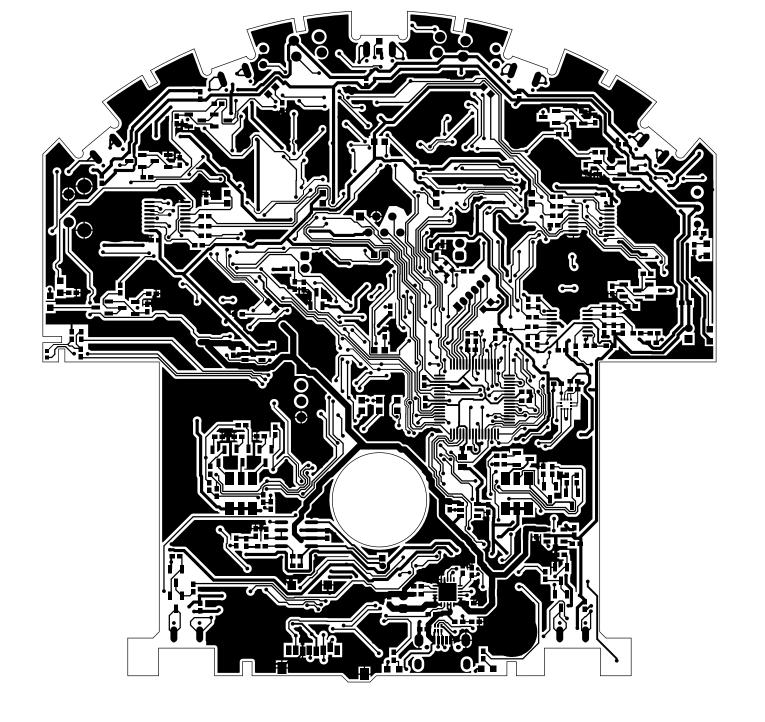
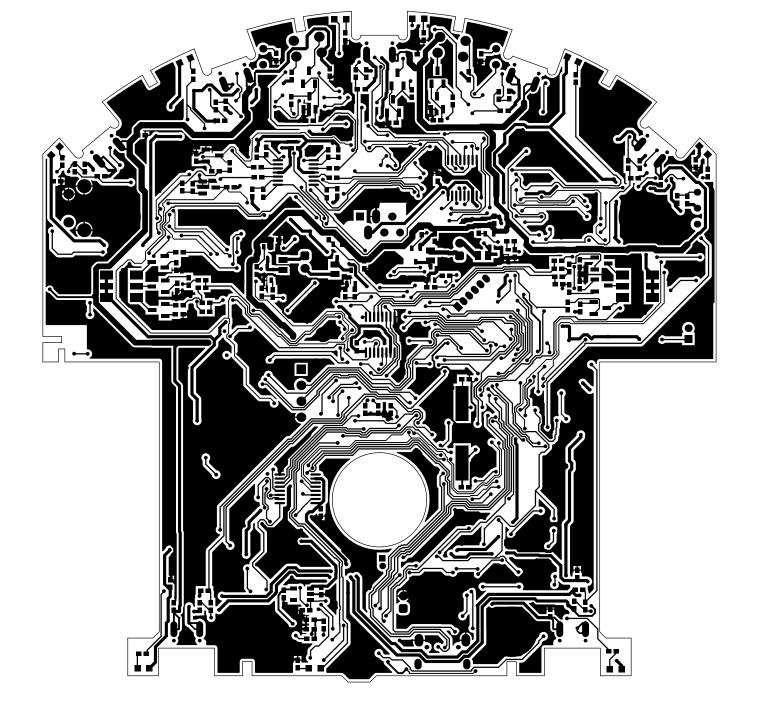


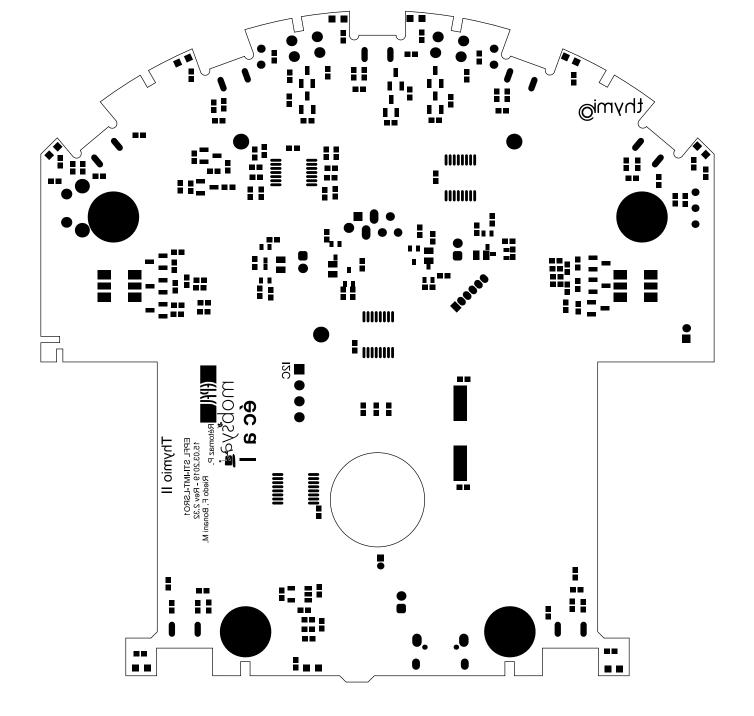
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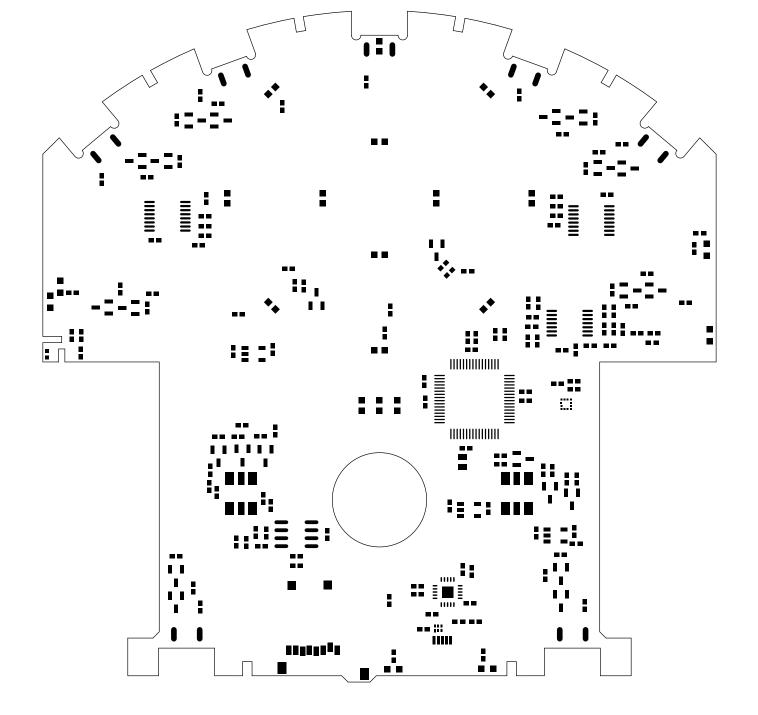


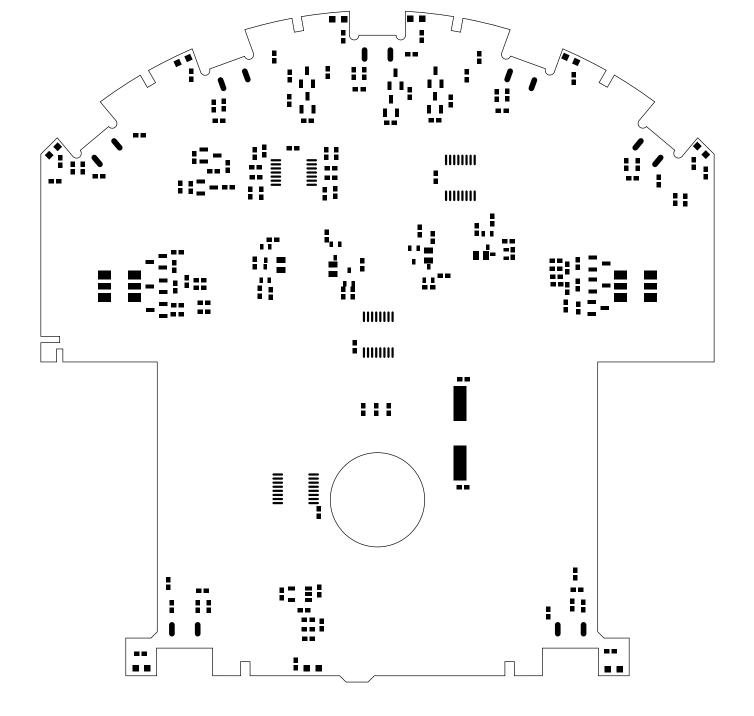


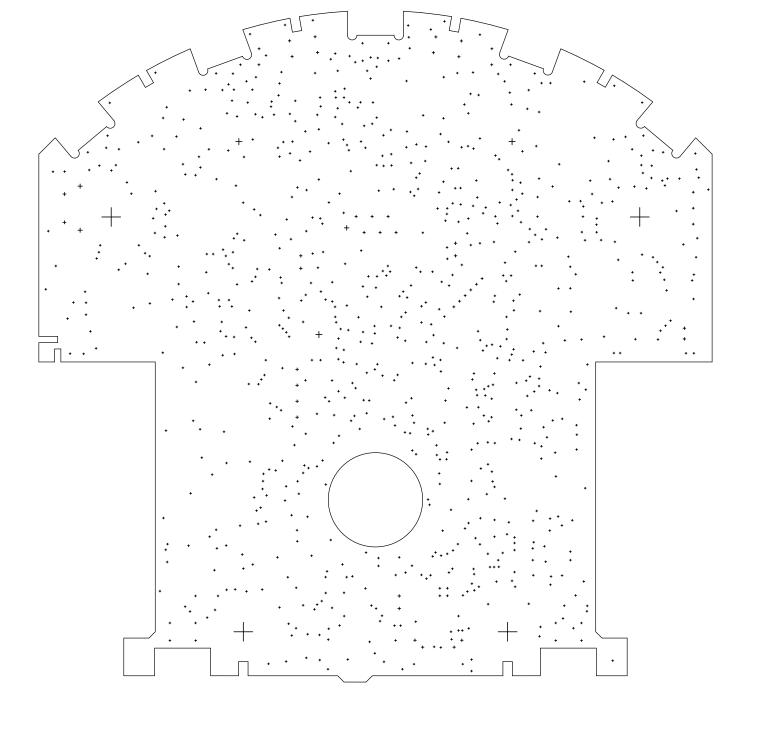


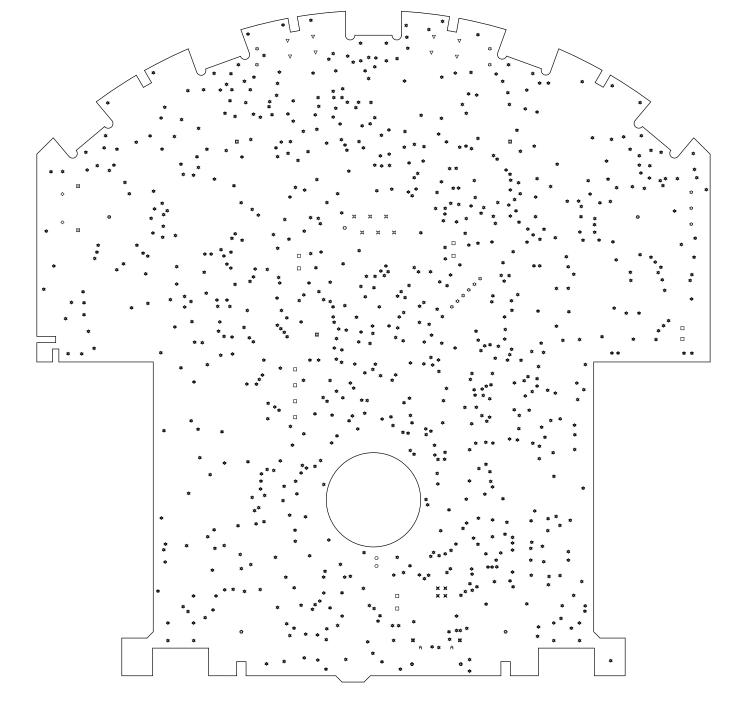


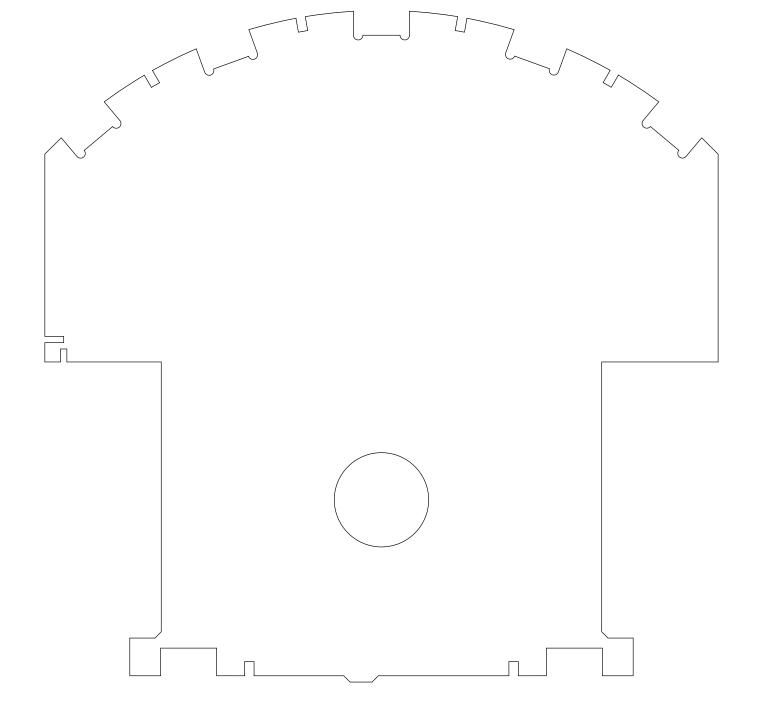


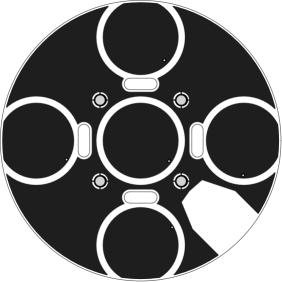


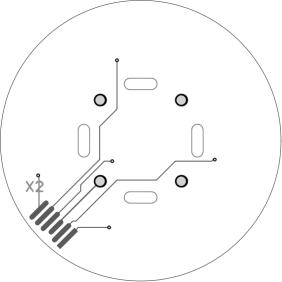


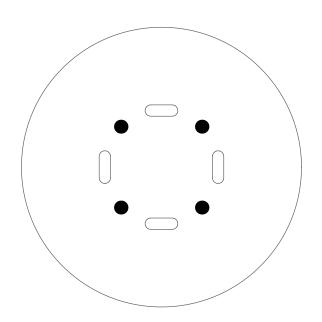


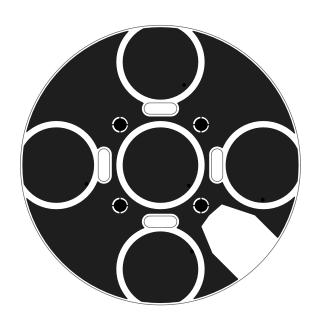


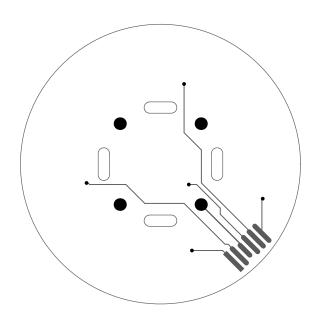


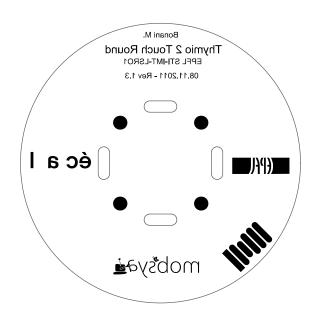


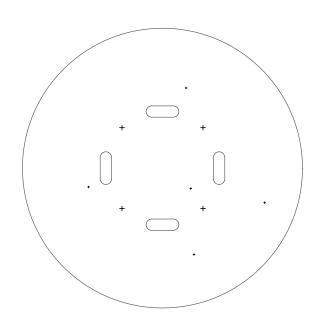


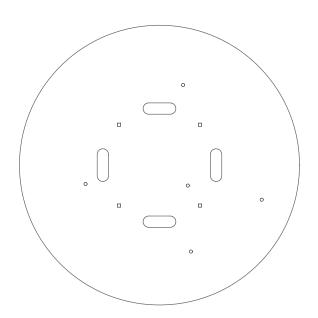


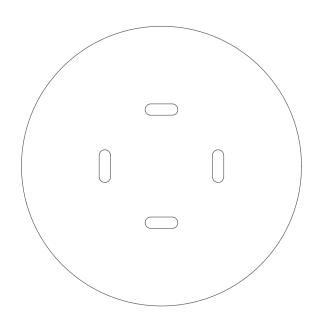




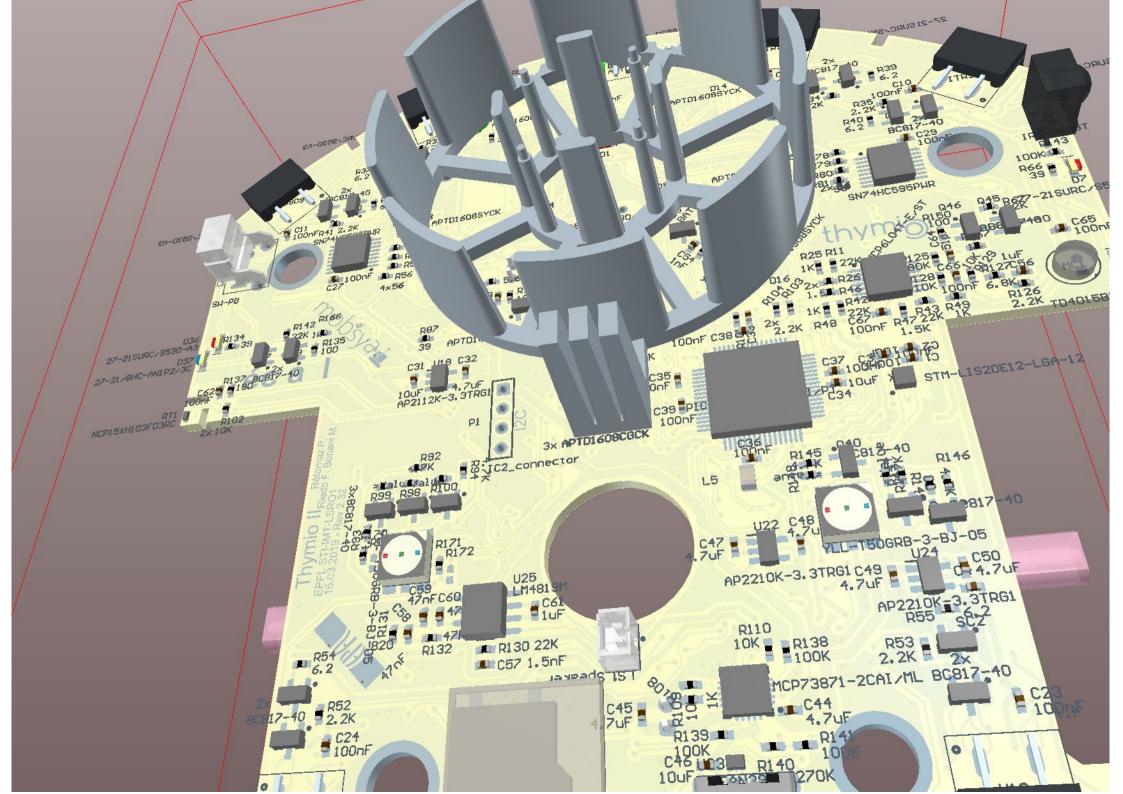












	Comment	Designator	Description	Footprint
	Motor connector 89400-022	B1, B2	Motor, General Kind	BAT-2
	Battery connector t 08940		Multicell Battery	BAT-2
	100nF	C1, C3, C5, C6, C7, C8, C9, C10, C11,	Capacitor	CAPC 1005X05N
	10uF	C2, C31, C40, C46, C51, C52, C73, C7		CAPC 1005X05N
	51pF 4.7nF	C 4, C 64 C 15, C 16, C 17, C 18, C 19, C 20, C 21	Capacitor	CAPC 1005X05N CAPC 1005X05N
	4.7hF 4.7uF	C32, C43, C44, C45, C47, C48, C49, C	Capacitor Capacitor	CAPC 1005X05N
	10uF X5R	C32, C43, C44, C45, C47, C46, C49, C	Capacitor	CAPC 1005X05N
	18pF	C41, C42	Сараскої	CAPC 1005X05N
	1nF	C53, C54	Capacitor	CAPC 1005X05N
	1uF	C56, C61, C63	Capacitor	CAPC1005X05N
	1.5nF	C57	Capacitor	CAPC 1005X05N
3	47nF	C58, C59, C60	Capacitor	CAPC 1005X05N
4	19-21SURC/S530-A3/TR8	D1, D3, D4, D5	SMD Red 0603 2V@20ma 56 mcd	DIO C 1608X08N
4	YLL-T50GRB-3-BJ-05	D2, D6, D27, D38		QBLP679E-RGB
	27-21SURC/S530-A3	D7, D9, D10, D11, D12, D17, D18, D2		27-21 EVERLIGHT
	27-21/BHC-AN1P2/3C	D8, D31, D37	SMD Blue led right angle mount 3.3	27-21 Everlight Blue
	APTD1608SYCK	D13, D14, D15, D16, D21, D22, D23,	LED standard - CMS Helios SMD Ye	
	WP7104SRC/D	D19, D20	Red led 2V@20ma 57mcd	LED_TH_3MM_20MM
	APTD1608CGCK	D28, D29, D30	LED standard - CMS Helios SMD Gr	DIO C 1608X08N
	BAT54S	D33, D34	Schottky Barrier Double Diode	SOT23_N
		L1, L2, L3, L4, L5	SMD EMI Suppression Ferrite Bead	INDC 2012X11L
	Speaker	LS1	Loudspeaker	PIN2
	TD4015BPN	MC1	Omnidirectional Back Electret Con	
	BC817-40	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9,	NPN General-purpose Transistor	SOT23_N
	4.7K	R1, R2, R57, R59, R61, R63, R64, R65	Resistor	RESC 1005X04N
	33	R3, R5	120, Resistor	RESC 1005X04N
	2.7K	R4, R6	Resistor	RESC 1005X04N
	22K 2.2K	R7, R8, R9, R10, R11, R42, R43, R67,	120, Resistor	RESC 1005X04N RESC 1005X04N
	2.2K 1.5K	R12, R13, R14, R15, R16, R32, R33, R		RESC 1005X04N
		R17, R18, R19, R20, R26, R46, R47	120	
	1K 10K	R21, R22, R23, R24, R25, R48, R49, R R27, R28, R29, R30, R31, R50, R51, R		RESC 1005X04N RESC 1005X04N
	6.2	R36, R37, R38, R39, R40, R54, R55	120, Resistor	RESC 1005X04N
		R56, R58, R60, R62, R69, R72, R74, R		RESC 1005X04N
	39	R66, R82, R83, R84, R85, R86, R87, R		RESC 1005X04N
	200	R68, R71, R98, R147	200	RESC 1005X04N
	82	R70, R73, R100, R149	82	RESC 1005X04N
	100	R105, R106, R135, R150	Resistance, Resistor	RESC 1005X04N
	180	R107, R137	Resistor	RESC1005X04N
2	5.6K	R115, R116	Resistor	RESC 1005X04N
15	100K	R119, R120, R121, R122, R123, R124,	Resistor	RESC 1005X04N
1	680K	R125	Resistor	RESC 1005X04N
1	6.8K	R127	Resistor	RESC 1005X04N
5	820	R131, R151, R152, R153, R154	Resistor	RESC 1005X04N
	47K	R132	Resistor	RESC1005X04N
1	270K	R140	Resistor	RESC1005X04N
-	0	R160, R161, R168, R169, R170, R171	Resistor	RESC1005X04N
	NCP15XH103F03RC	RT1	Thermistors - NTC 10K OHM 1% 04	RESC 1005X04L
	MicroSD-Astron 5190008-X	\$1	MicroSD Card connector 5190008-	Astron 5190008-XA4-R
	SW-PB	S2	Switch	FSMRA2JH
	DMG1013UW-7	T1, T2, T3, T4	Transistor MOSFET 1 x P Pining : 1	SOT65P210X100-3N
	DMG1012UW	T5, T6, T7, T8	Transistor MOSFET 1 x N, Pining :	SOT65P210X100-3N
	STM-LIS2DE12-LGA-12	U1	Everlight Onto Interested	STM-LGA-12
	ITR9909 MCP6L04T-E/ST	U2, U3 U4, U5	Everlight Opto Interrupter 1 MHz, 85 µA Quad Op Amp, 14-Pi	ITR9909_LONG
	ITR9909	U6, U7, U8, U9, U10, U11, U12		ITR9909 EDGE
	SN74HC595PWR	U13, U14, U15, U16, U17	Everlight Opto Interrupter 8-Bit Serial-Input/Serial or Prallel-0	
	AP2112K-3.3TRG1	U18	300mA, Low Quiescent Current, Fa	
	PIC 24F J128GB106-I/PT	U19	General Purpose 16-Bit Flash Micro	
	IRM-3638T	U20	IR Receiver Module (38 kHz) for Re	
	MCP73871-2CAI/ML	U21	Stand-Alone System Load Sharing	
	AP2210K-3.3TRG1	U22, U24, U26	300mA, Low Quiescent Current, Fa	
	FAN3988	U23	USB/Charger and Over Voltage De	
	I M4819M	U25		
1	LM4819M Con1x6	U25 X2	350mW Audio Power Amplifier wit 1 x 6 pins connector	MHDR1X6
1 1	Con1x6	U25 X2 X3	1 x 6 pins connector WR-COM_USB_Micro Type B_Hot	MHDR1X6