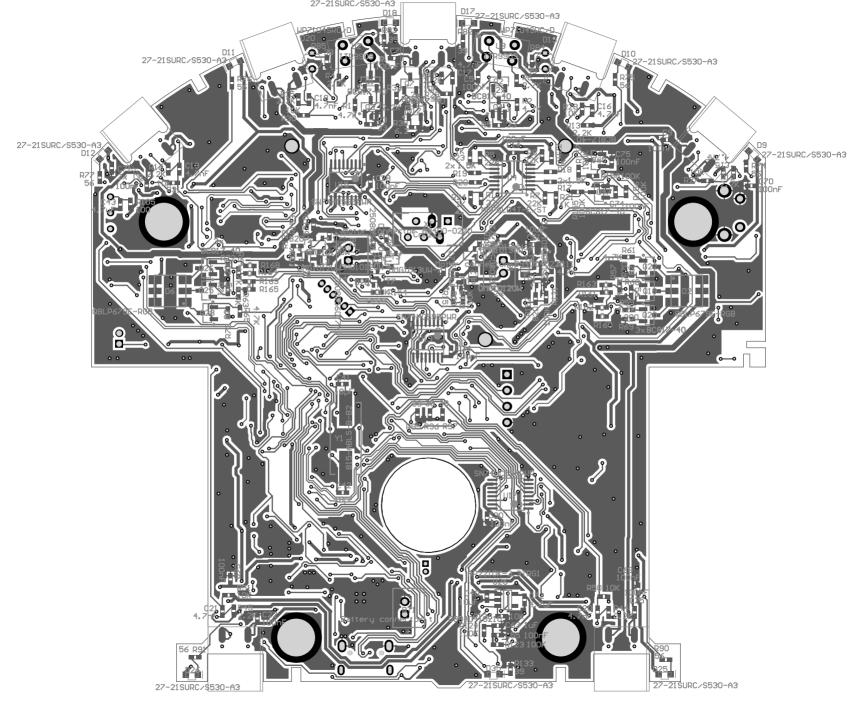
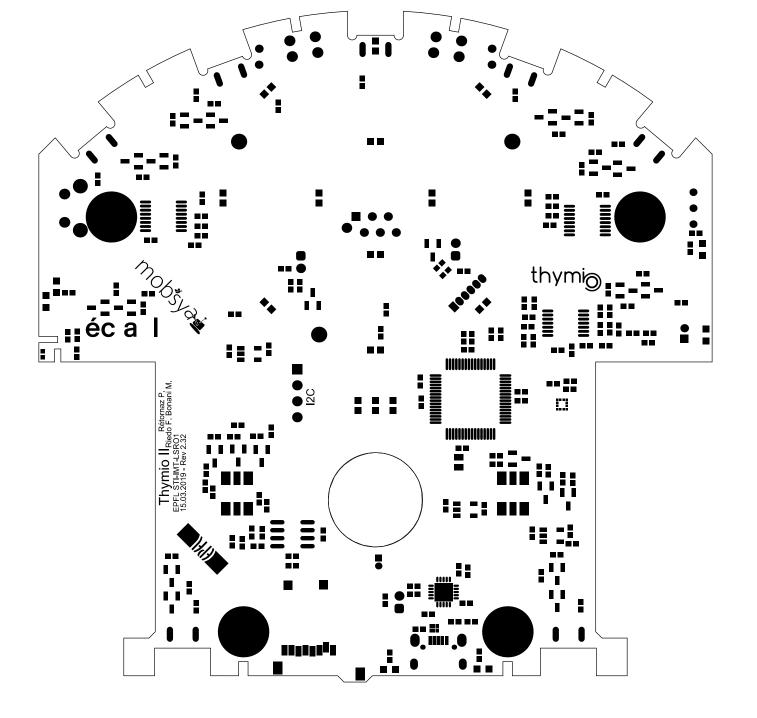
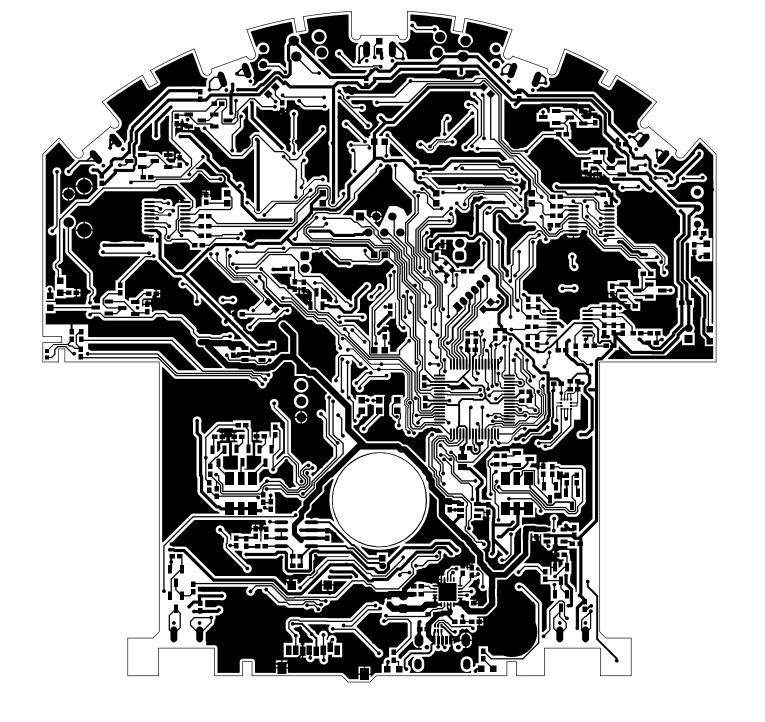
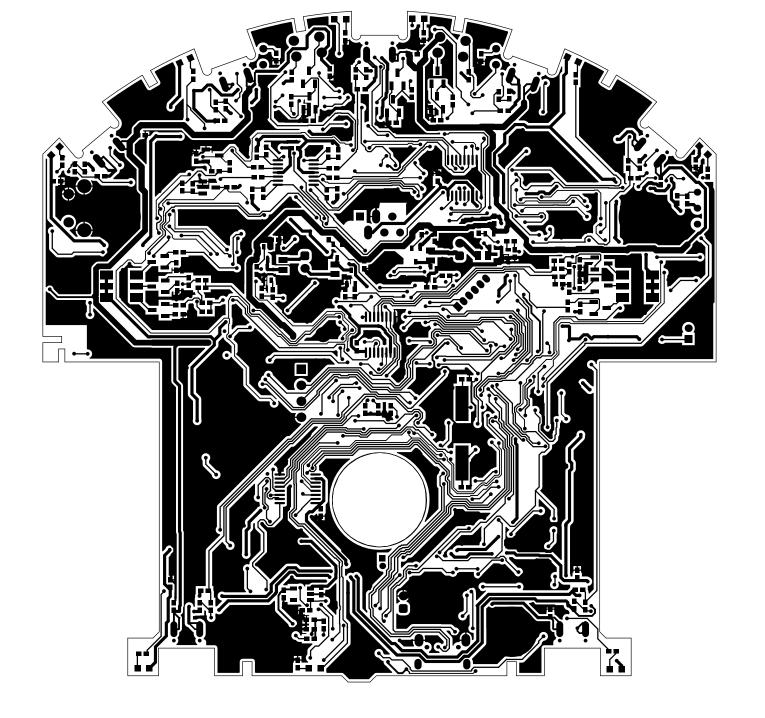


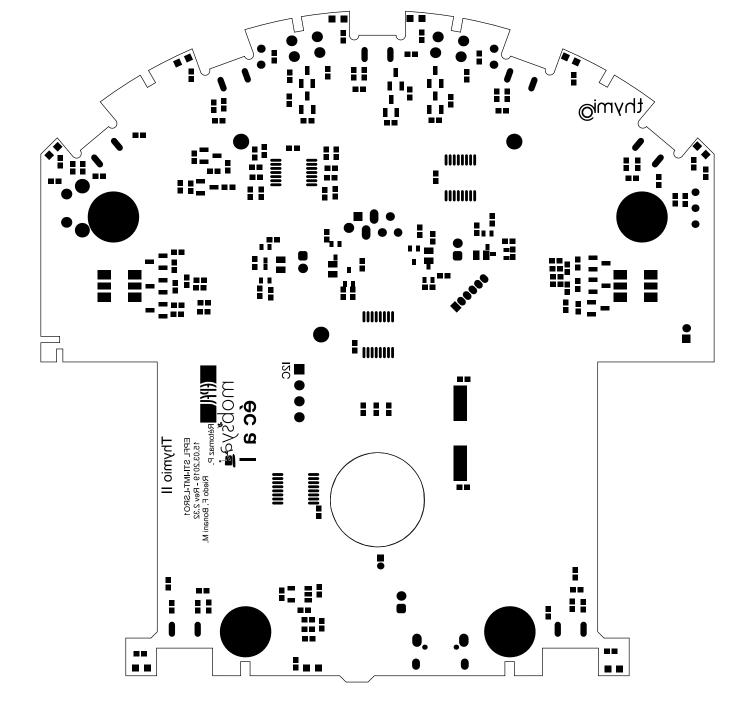
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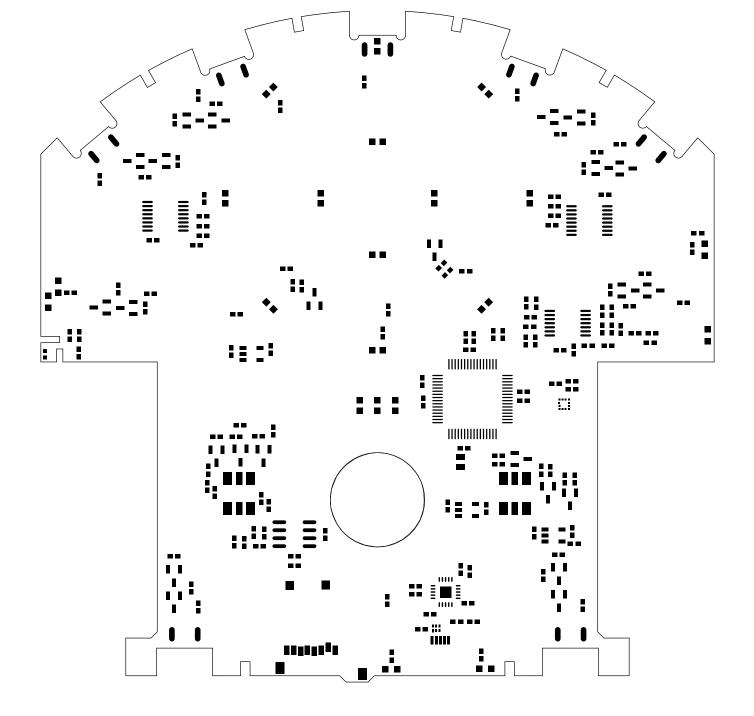


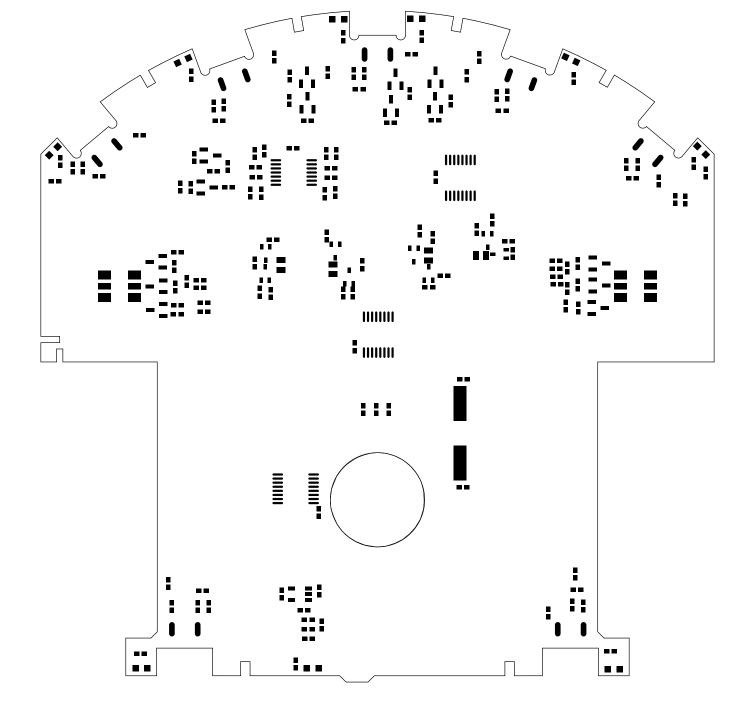


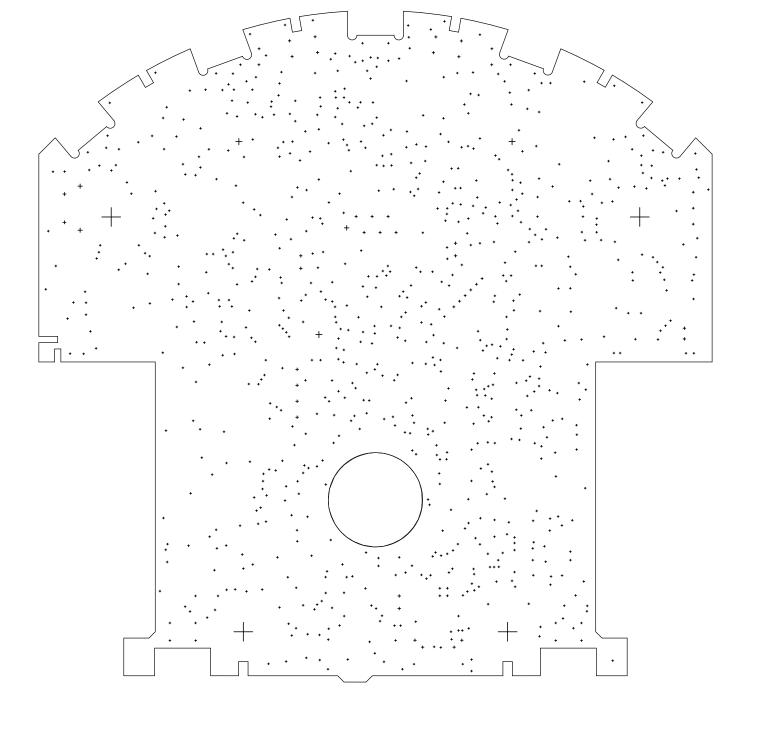


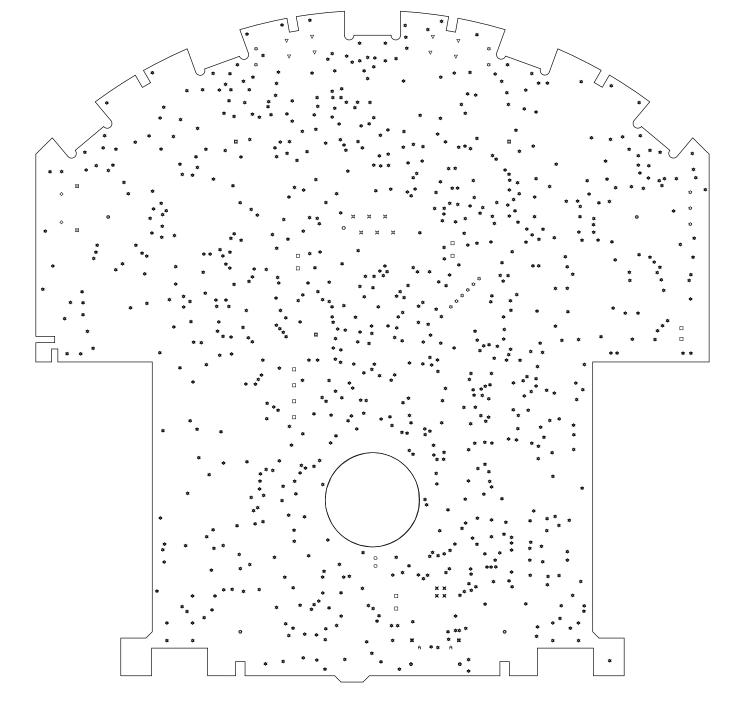


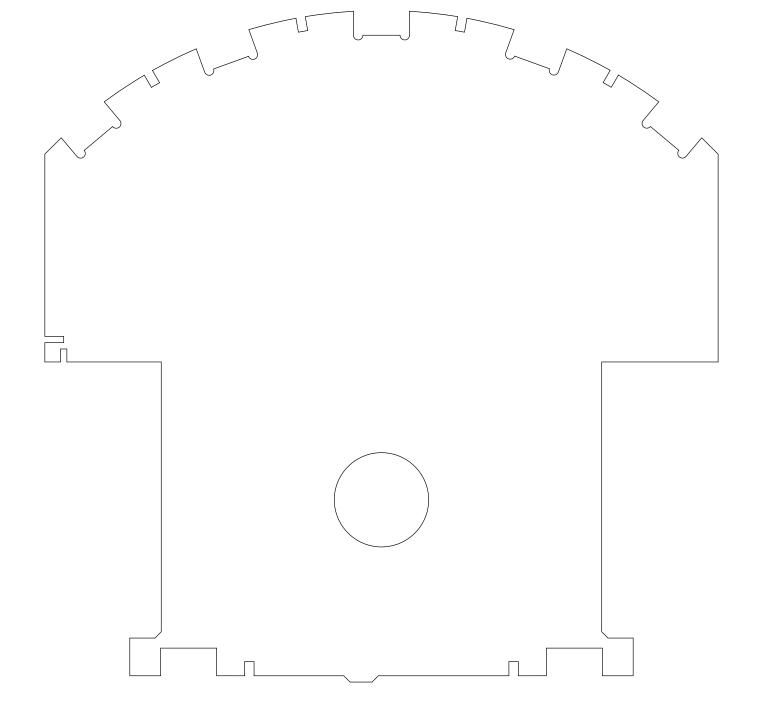


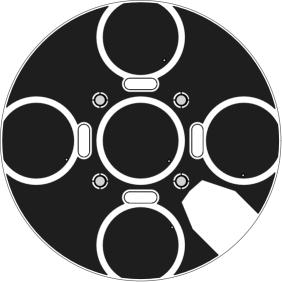


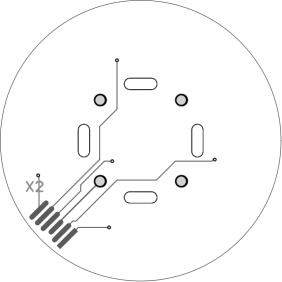


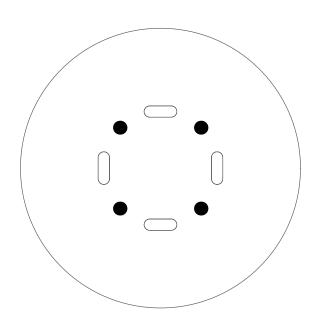


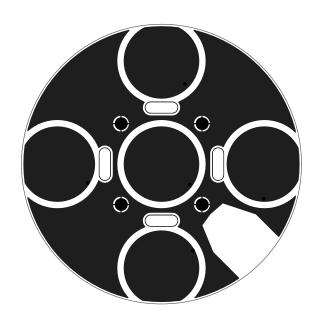


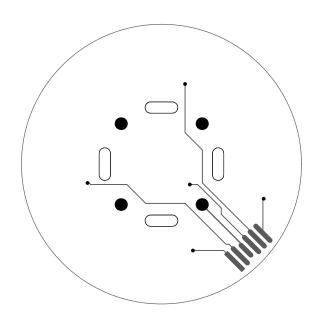


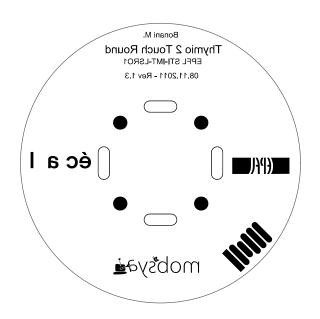


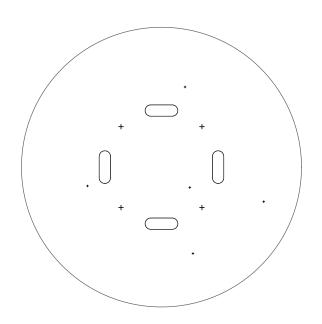


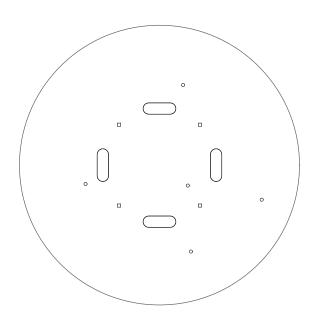


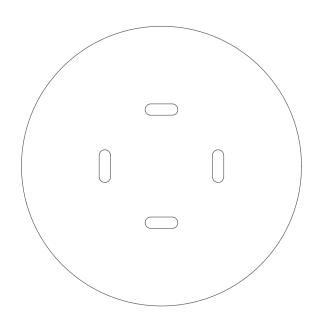


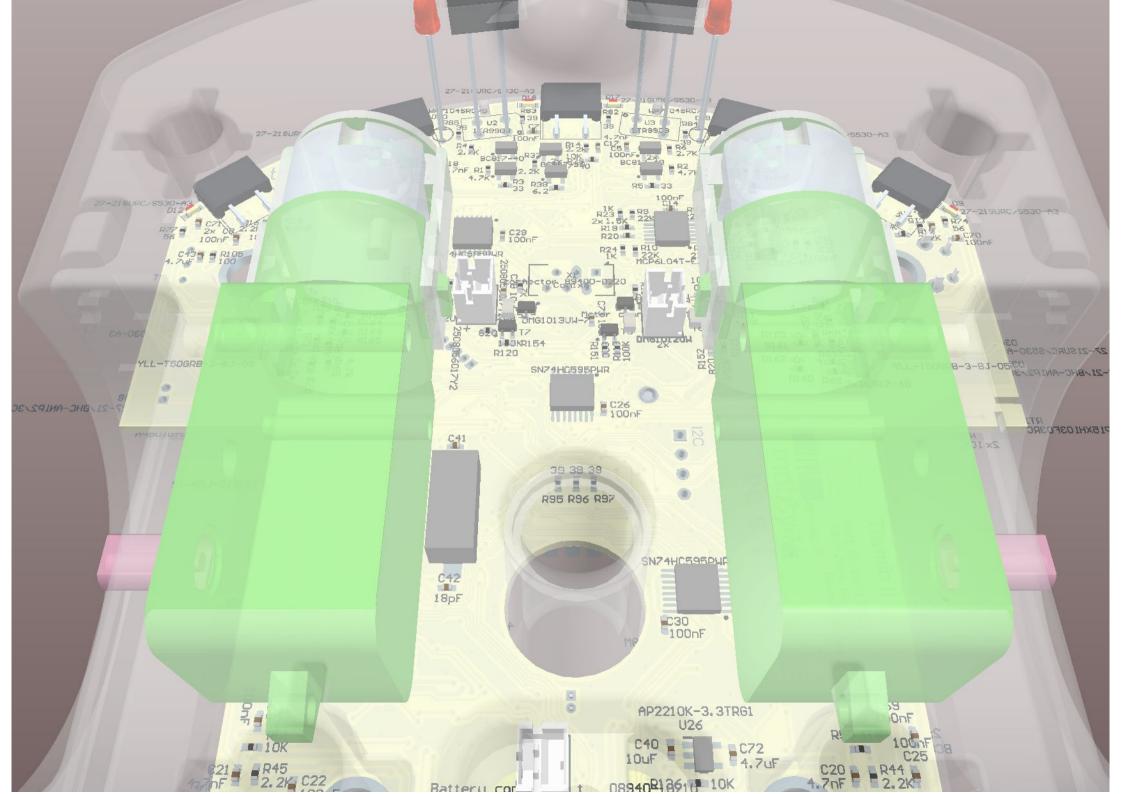


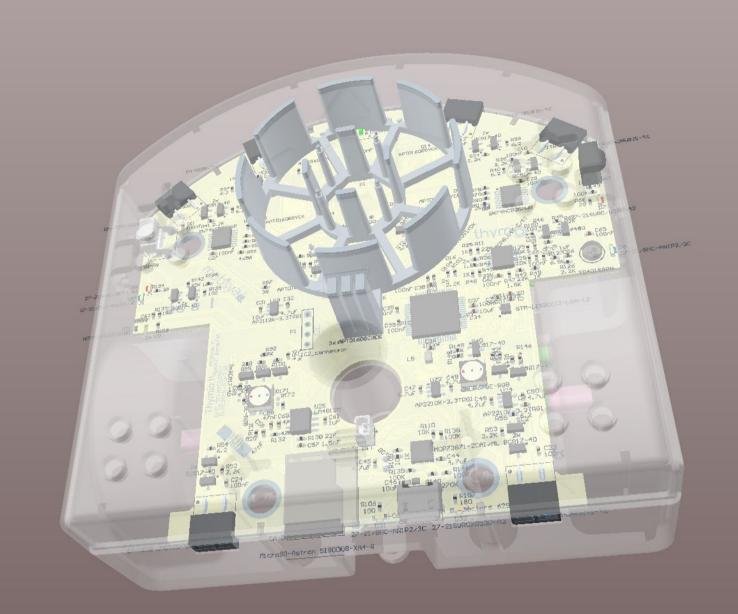












Quantity	Comment	Designator	Description	Footprint
Quantity	2 Motor connector 89400-0220	B1, B2	Motor, General Kind	BAT-2
	1 Battery connector t 08940-10210	BT1	Multicell Battery	BAT-2
	buttery commencer to corner to 2 to	C1, C3, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C22, C23, C24, C25,	Manager Buttery	SAL E
20	0 100-F	C26, C27, C28, C29, C30, C33, C35, C36, C37, C38, C39, C55, C62, C65,	Olt	CARCAGOFYORAL
30	8 100nF	C66, C67, C68, C69, C70, C71, C74, C75	Capacitor	CAPC1005X05N
	8 10uF	C2, C31, C40, C46, C51, C52, C73, C78 C4, C64	Capacitor	CAPC1005X05N CAPC1005X05N
	2 51pF 7 4.7nF	C15, C16, C17, C18, C19, C20, C21	Capacitor Capacitor	CAPC1005X05N CAPC1005X05N
	9 4.7uF	C32, C43, C44, C45, C47, C48, C49, C50, C72		
	1 10uF X5R	C34	Capacitor Capacitor	CAPC1005X05N CAPC1005X05N
	2 18pF	C41, C42	Сарасної	CAPC1005X05N
	2 1nF	C53, C54	Capacitor	CAPC1005X05N
	3 1uF	C56, C61, C63	Capacitor	CAPC1005X05N
	1 1.5nF	C57	Capacitor	CAPC1005X05N
	3 47nF	C58, C59, C60	Capacitor	CAPC1005X05N
	4 19-21SURC/S530-A3/TR8	D1, D3, D4, D5	SMD Red 0603 2V@20ma 56 mcd	DIOC1608X08N
	2 YLL-T50GRB-3-BJ-05	D2, D6	SIND NEG GOOD EVE ZONIA GO MIGA	QBLP679E-RGB
12	2 27-21SURC/S530-A3	D7, D9, D10, D11, D12, D17, D18, D25, D26, D32, D35, D36	SMD Red led right angle mount 2V@20ma 57mcd	27-21 EVERLIGHT
	3 27-21/BHC-AN1P2/3C	D8, D31, D37	SMD Blue led right angle mount 3.3V@20ma 28mcd	27-21 Everlight Blue
	8 APTD1608SYCK	D13, D14, D15, D16, D21, D22, D23, D24	LED standard - CMS Helios SMD Yellow 590nm 480mcd	DIOC1608X08N
	2 WP7104SRC/D	D19, D20	Red led 2V@20ma 57mcd	LED_TH_3MM_20MM
	2 QBLP679E-RGB	D27, D38		QBLP679E-RGB
	3 APTD1608CGCK	D28, D29, D30	LED standard - CMS Helios SMD Green 570nm 230mcd	DIOC1608X08N
	2 BAT54S	D33, D34	Schottky Barrier Double Diode	SOT23_N
	5 2508056017Y2	L1, L2, L3, L4, L5	SMD EMI Suppression Ferrite Bead WE-CBF, Z = 600 Ohm	INDC2012X11L
	1 Speaker	LS1	Loudspeaker	PIN2
	1 TD4015BPN	MC1	Omnidirectional Back Electret Condenser Microphone	MICRO_TD4015BPN
		Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16,		
20	6 BC817-40	Q17, Q18, Q19, Q20, Q22, Q25, Q26, Q28, Q31, Q32, Q34, Q37, Q38, Q39, Q40, Q42, Q45, Q46, Q47, Q48	NPN Canaral-nurnosa Transistor	SOT23_N
30	0 BC617-40	R1, R2, R57, R59, R61, R63, R64, R65, R92, R93, R94, R111, R112, R113,	NPN General-purpose Transistor	30 123_N
18	8 4.7K	R114, R144, R145, R146	Resistor	RESC1005X04N
:	2 33	R3, R5	120, Resistor	RESC1005X04N
	2 2.7K	R4, R6	Resistor	RESC1005X04N
10	0 22K	R7, R8, R9, R10, R11, R42, R43, R67, R130, R142	120, Resistor	RESC1005X04N
		R12, R13, R14, R15, R16, R32, R33, R34, R35, R41, R44, R45, R52, R53,		
11	7 2.2K	R103, R104, R126	120, Resistor	RESC1005X04N
	7 1.5K	R17, R18, R19, R20, R26, R46, R47	120	RESC1005X04N
10	0 1K	R21, R22, R23, R24, R25, R48, R49, R108, R166, R167 R27, R28, R29, R30, R31, R50, R51, R101, R102, R109, R110, R117, R118,	120, Resistor	RESC1005X04N
16	6 10K	R128, R129, R136	120, Resistor	RESC1005X04N
	7 6.2	R36, R37, R38, R39, R40, R54, R55	120	RESC1005X04N
		R56, R58, R60, R62, R69, R72, R74, R75, R76, R77, R78, R79, R80, R81,		
18	8 56	R90, R91, R98, R147	Resistor, 56	RESC1005X04N
14	4 39	R66, R82, R83, R84, R85, R86, R87, R88, R89, R95, R96, R97, R133, R134	Resistor	RESC1005X04N
	4 200	R68, R71, R99, R148	200	RESC1005X04N
	4 82	R70, R73, R100, R149	82	RESC1005X04N
	4 100	R105, R106, R135, R150	Resistance, Resistor	RESC1005X04N
	2 180	R107, R137	Resistor	RESC1005X04N
	2 5.6K	R115, R116	Resistor	RESC1005X04N
		R119, R120, R121, R122, R123, R124, R138, R139, R141, R143, R155,		
1		R156, R157, R158, R159	Resistor	RESC1005X04N
	1 680K	R125	Resistor	RESC1005X04N
	1 6.8K	R127	Resistor	RESC1005X04N
	5 820	R131, R151, R152, R153, R154	Resistor	RESC1005X04N
	1 47K	R132	Resistor	RESC1005X04N
	1 270K	R140	Resistor	RESC1005X04N
	6 0	R160, R161, R168, R169, R172, R173	Resistor	RESC1005X04N
	1 NCP15XH103F03RC	RT1	Thermistors - NTC 10K OHM 1% 0402	RESC1005X04L
	1 MicroSD-Astron 5190008-XA4-R	S1	MicroSD Card connector 5190008-XA4-R	Astron 5190008-XA4-R
	1 SW-PB	\$2	Switch	FSMRA2JH
	4 DMG1013UW-7	T1, T2, T3, T4	Transistor MOSFET 1 x P Pining : 1=G, 2=S, 3=D	SOT65P210X100-3N
	4 DMG1012UW	T5, T6, T7, T8	Transistor MOSFET 1 x N, Pining : 1=G, 2=S, 3=D	SOT65P210X100-3N
	1 STM-LIS2DE12-LGA-12	U1		STM-LGA-12
:	2 ITR9909	U2, U3	Everlight Opto Interrupter	ITR9909_LONG
	2 MCP6L04T-E/ST	U4, U5	1 MHz, 85 µA Quad Op Amp, 14-Pin TSSOP, Extended Temperature Range, Tape and Reel	TSSOP-ST14_N
	7 ITR9909	U6, U7, U8, U9, U10, U11, U12	Everlight Opto Interrupter	ITR9909_EDGE
			8-Bit Serial-Input/Serial or Prallel-Output Shift Register with	
	5 SN74HC595PWR	U13, U14, U15, U16, U17	Latched 3-State Outputs	948F-01_N
	1 AP2112K-3.3TRG1	U18	300mA, Low Quiescent Current, Fast Transient LDO	SOT95P285X100-5N
			General Purpose 16-Bit Flash Microcontroller with USB On-The- Go, 128KB Flash, 16KB SRAM, 64-Pin TQFP, Industrial	
	1 PIC24FJ128GB106-I/PT	U19	Temperature	TQFP-PT64_N
	1 IRM-3638T	U20	IR Receiver Module (38 kHz) for Remote Control Systems	IR-receiver
			Stand-Alone System Load Sharing and Li-Ion/Li-Polymer Battery	
	1 MCP73871-2CAI/ML	U21	Charge Management Controller, 4.2V, 20-Pin QFN, Industrial Temperature	QFN-ML20_N
	3 AP2210K-3.3TRG1	U22, U24, U26	300mA, Low Quiescent Current, Fast Transient LDO	SOT95P285X100-5N
	1 FAN3988	U23	USB/Charger and Over Voltage Detection Device	MLP 1.45X1MM
	1 LM4819M	U25	350mW Audio Power Amplifier with Shutdown Mode	M08A_N
	1 Con1x6	X2	1 x 6 pins connector	MHDR1X6
	WR-Communication Connectors 629105150521	X2 X3	WR-COM_USB_Micro Type B_Horizontal_SMT	629105150521
	1 815-ABLS-8-B2	yı	Surface Mount Quartz Crystal 8Mhz	HC49/4H_SMX
L	1 0 13-ADL3=0=BZ	L''	Surface Mount Quartz Gystar olVIIIZ	I I OT // TIL_SIVIA