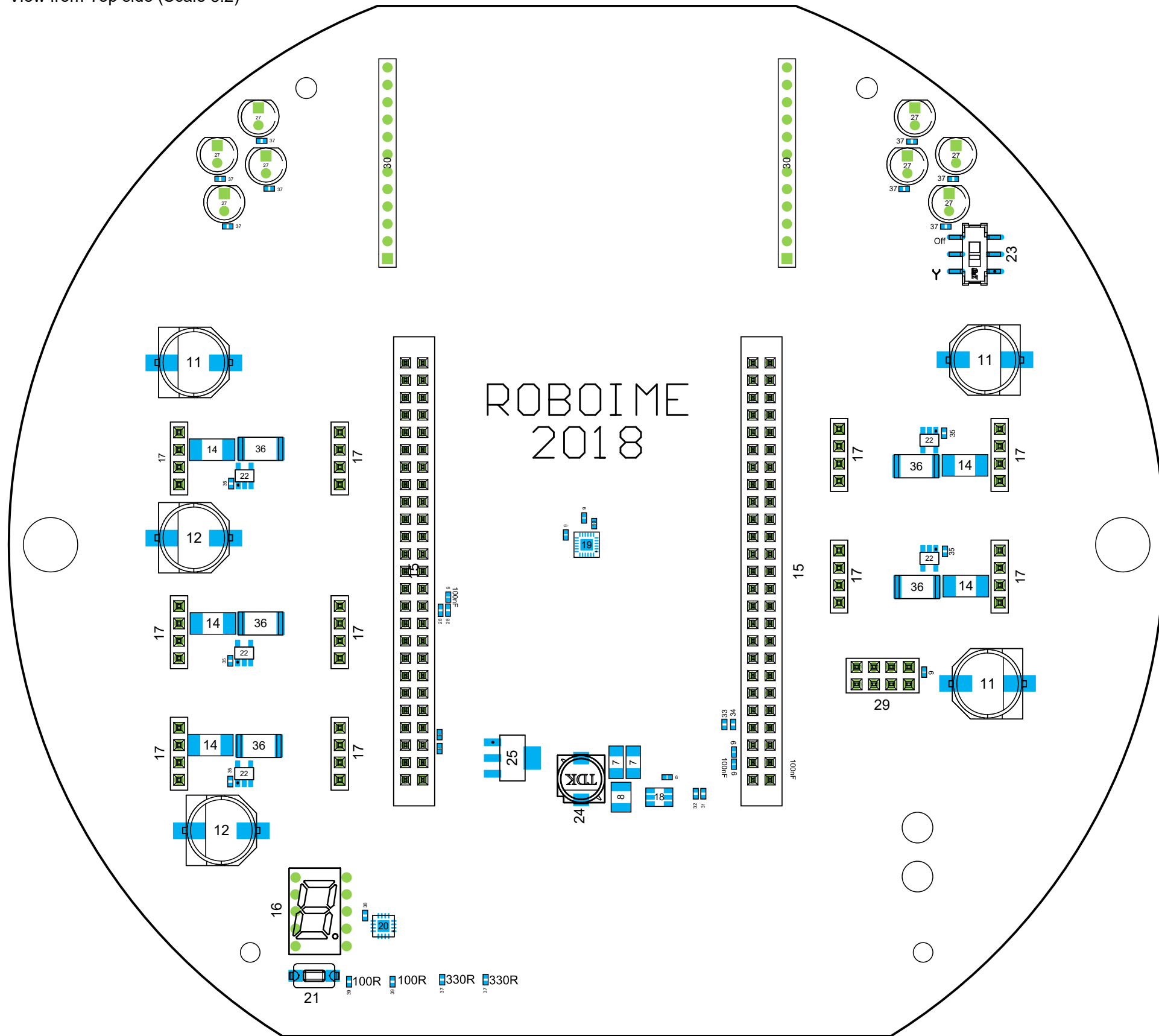


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View from Top side (Scale 3:2)



Bill Of Materials

Line #	Designator	Comment	Quantity
37	R29, R30, R31, R32, R33, R34, R35, R36, RS1, RS2	330R	10
17	DRIBLE-MC, DRIBLE-MOTOR, M0-MC, M0-MOTOR, M1-MC, M1-MOTOR, M2-MC, M2-MOTOR, M3-MC, M3-MOTOR	PPPC041LFBN-RC	10
27	LED_BALL_L, LED_BALL_R, LED_COM_L, LED_COM_R, LED_GRE_L, LED_GRE_R, LED_ORAL_L, LED_ORAL_R	LED	8
9	C5, C6, MC_C1, MC_C2, MC_C3, MC_C4, MC_C5, NRF_C1	100nF	8
14	DF, FM_M0, FM_M1, FM_M2, FM_M3	MF-MSMF	5
36	R11_M0, R11_M1, R11_M2, R11_M3, RD1	0R02	5
22	INA169, INA169_M0, INA169_M1, INA169_M2, INA169_M3	INA169	5
35	R10_M0, R10_M1, R10_M2, R10_M3, R_D	1K	5
11	CD, CM1_M2, CM1_M3	CAP_TANQUE	3
39	RL1, RL2	100R	2
28	MC_R1, MC_R2	4K7	2
30	P1_Chute, P2_Chute	Header 12	2
7	C2, C3	22uF	2
15	DISCO_P1, DISCO_P2	SFH11-PBPC-D25-ST-BK	2
12	CM1_M0, CM1_M1	CAP-TANQUE	2
32	R2	10K	1
6	C1	100nF	1
31	R1	33K	1
33	R3	330R	1
8	C4	10uF	1
38	R37	10K	1
34	R4	100R	1
10	C7	1uF	1
21	ID	SWITCH TACTILE 6 x 3.5 x 4.3 mm	1
18	IC1	TPS5632	1
19	IC3	MPU-9250	1
20	IC4	STMPE811	1
23	KICK	JS202011SCQN	1
16	Display	HDSP-F513	1
29	NRF24	PPPC042LFBN-RC	1
24	L1	CLF7045T	1
25	LD1117	LD1117S33CTR	1

IME18 IME19
GK OC
SE/3 IME
Special thanks to:
Prof Paulo Rosa
(LR)~2
De Lima

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26 26 26 26

41

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3 3

2 2

13

New from Bottom side (Scale 0.2)

Line #	Designator	Comment	Quantity
26	LED1, LED2, SEN1, SEN2	0022112022	4
13	CON_DRIBLE	DRIBLE	1
41	SW	R1966A	1
40	SD1	2908-05WB-MG	1
5	BAT	XT60	1
2	06x01_Conector_Male_M1	MOTOR 3	1
1	06x01_Conector_Male_M0	MOTOR 0	1
4	06x01_Conector_Male_M3	MOTOR 2	1
3	06x01_Conector_Male_M2	MOTOR 1	1