

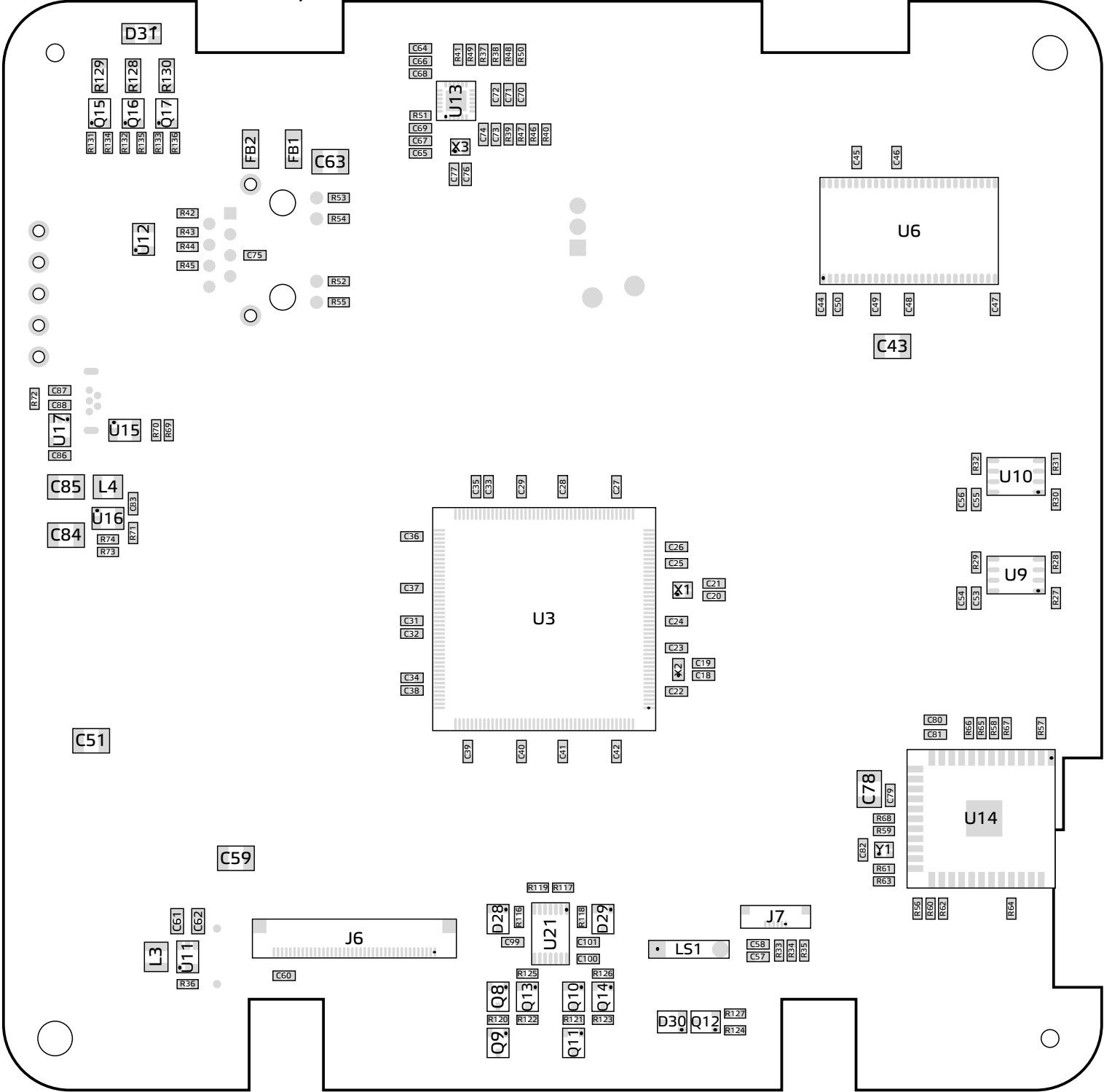
Bill Of Materials, Top Side

Designator	Name	Manufacturer Part Number 1	Quantity
U21	74LV14AT14-13	74LV14AT14-13	1
J6	62684-402100AHLF	62684-402100AHLF	1
D31	150141M173100	150141M173100	1
J7	0527460671	0527460671+	1
U17	AP2151WG-7	AP2151WG-7	1
U11	AP3019AKTR-G1	AP3019AKTR-G1	1
U16	AP62150WU-7	AP62150WU-7	1
U14	ATWINC3400-MR210CA142	ATWINC3400-MR210CA142	1
D28, D29, D30	BAV199_R1_00001	BAV199_R1_00001	3
FB1, FB2	BLM31KN601SZ1L	BLM31KN601SZ1L	2
C18, C19, C20, C21, C76, C77	8pF	CC0603DRNP09B8NR0	6
C68, C69, C72	100pF	CL10B101KB8NFNC	3
C22, C23, C24, C25, C26, C27, C28, C29, C32, C35, C36, C37, C38, C39, C40, C41, C42, C44, C45, C46, C47, C48, C49, C50, C53, C55, C58, C60, C66, C67, C71, C79, C81, C82, C83, C86, C87, C99, C100, C101	100nF	CL10B104KB8NNNL	40
C75	22nF	CL10B223KB8WPNC	1
C31, C33, C34, C73, C80, C88	2.2uF	CL10B225KP8NNNC	6
C74	470pF	CL10B471KB8WPNC	1
C54, C56, C57, C64, C65, C70	4.7uF	CL10B475KQ8NQNC	6
C61, C62	1uF	CL21B105KBFNFNE	2
C43, C51, C59, C63, C78, C84, C85	22uF	CL32B226KAJNNNE	7
LS1	CMI-1295IC-1285T	CMI-1295IC-1285T	1
Y1	ECS-327MVATX-1-CN-TR	ECS-327MVATX-1-CN-TR	1
U13	LAN8742A-CZ-TR	LAN8742A-CZ-TR	1
L4	4.7uH	LQH3NPN4R7MMEL	1
L3	47uH	LQH3NPN470MMEL	1
U9	MB85RS2MTAPNF-G-BDERE1	MB85RS2MTAPNF-G-BDERE1	1
X2	32.768kHz	NX2012SA-32.768KH Z-EXS00A-MU00626	1
X1, X3	25MHz	NX2016SA-25MHZ-EXS00A-CS11365	2
R74	4.22kR	RC0603FR-074K22L	1
R36	10R	RC0603FR-0710RL	1
R51	12.1kR	RC0603FR-0712K1L	1
R73	22.1kR	RC0603FR-0722K1L	1
R42, R43, R44, R45	49.9R	RC0603FR-0749R9L	4
R37	1.5kR	RC0603JR-071K5L	1
R70	1kR	RC0603JR-071KL	1
R34, R35, R69	2kR	RC0603JR-072KL	3
R27, R28, R29, R30, R31, R32, R33, R38, R39, R40, R41, R50, R52, R53, R56, R57, R67, R68, R71, R72, R119, R120, R121, R127, R134, R135, R136	10kR	RC0603JR-0710KP	27
R46, R47, R48, R49, R58, R59, R60, R61, R62, R63, R64, R65, R66	33R	RC0603JR-0733RL	13
R116, R118	51kR	RC0603JR-0751KL	2
R117, R122, R123, R124, R125, R126, R131, R132, R133	100R	RC0603JR-07100RL	9
R54, R55	300R	RC0603JR-07300RL	2
R128, R129, R130	560R	RC1206JR-07560RL	3
Q8, Q9, Q10, Q11	RQ5E035ATTCL	RQ5E035ATTCL	4
Q12, Q13, Q14, Q15, Q16, Q17	SI2304DDS-T1-GE3	SI2304DDS-T1-GE3	6
U12, U15	SRV05-4ATR	SRV05-4ATR	2
U3	STM32H753IIT6	STM32H753IIT6	1
U10	W25Q16JVSNIQ	W25Q16JVSNIQ	1
U6	W9864G6KH-6	W9864G6KH-6	1

Revision Block

REVISION	DESCRIPTION	DATE	ECO	ENGINEER
0.1.0	Prototype	09/30/2022	0000	F. T.

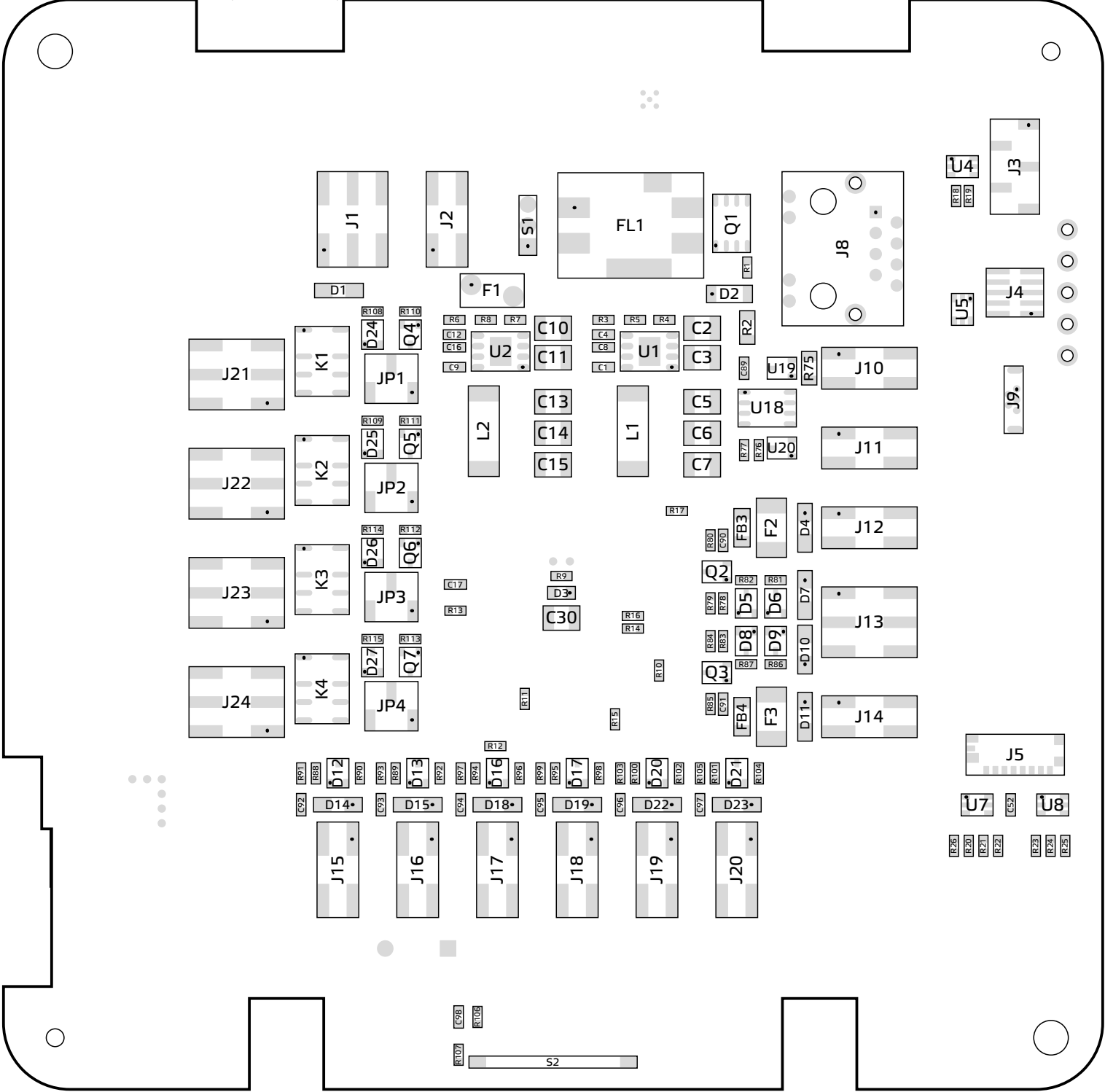
View from Top side (Scale 1.5:1)

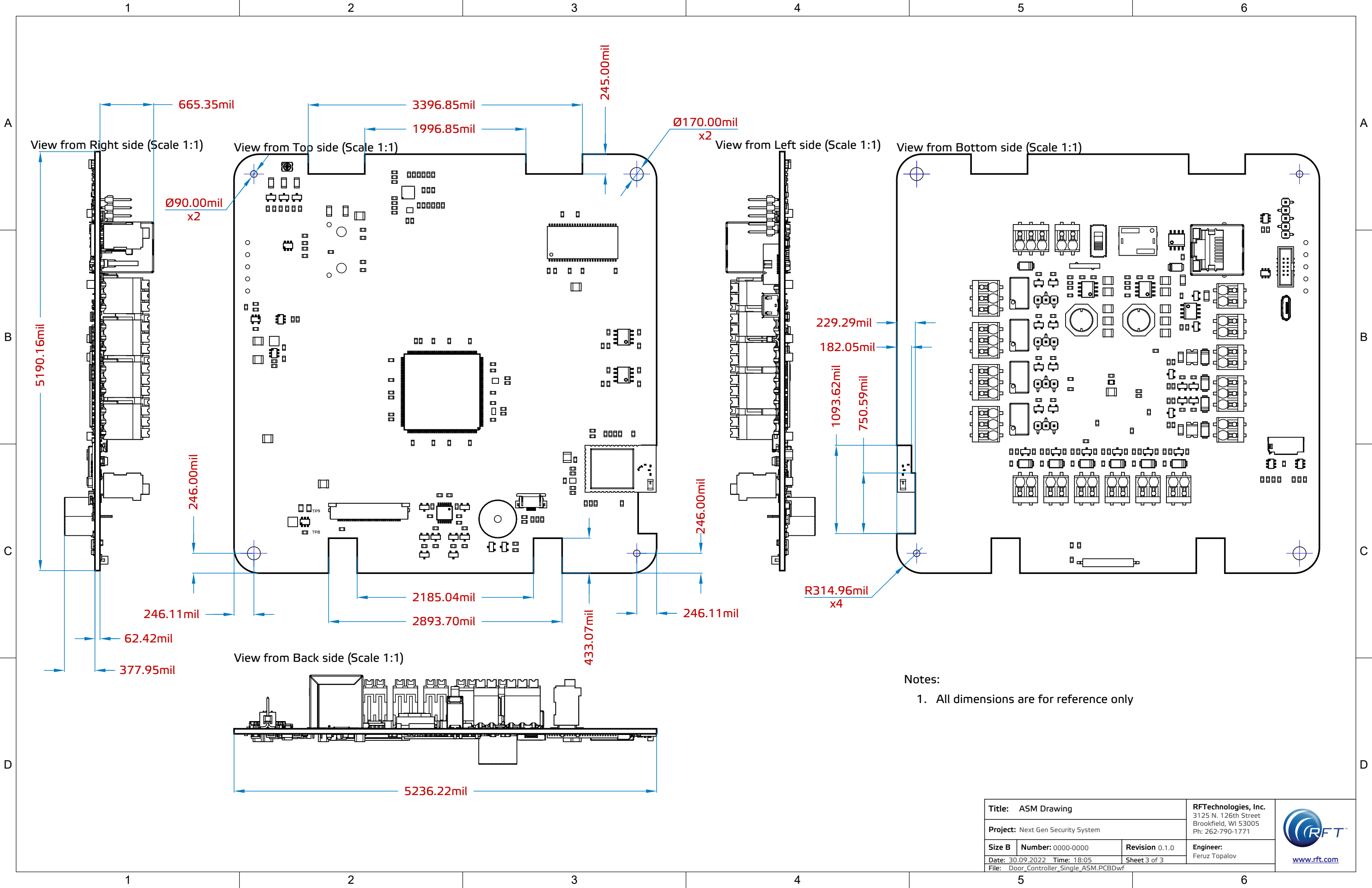


Bill Of Materials, Bottom Side

Designator	Name	Manufacturer Part Number 1	Quantity
F2, F3	0ZCG0050AF2C	0ZCG0050AF2C	2
F1	0ZRS0200FF1E	0ZRS0200FF1E	1
S1	48BFS1M2QT	48BFS1M2QT	1
J4	3220-10-0300-00	3220-10-0300-00	1
J5	0475710001	47571-0001	1
D3	150080VS75000	150080VS75000	1
J2, J10, J11, J12, J14, J15, J16, J17, J18, J19, J20	1250360000	1250360000	11
J1, J13, J21, J22, J23, J24	1250370000	1250370000	6
Q1	AO4485	AO4485	1
U1, U2	AP64352SP-13	AP64352SP-13	2
D5, D6, D8, D9, D12, D13, D16, D17, D20, D21, D24, D25, D26, D27	BAV199_R1_00001	BAV199_R1_00001	14
Q2, Q3	BC847,215	BC847,215	2
FB3, FB4	BLM31KN601SZ1L	BLM31KN601SZ1L	2
FL1	BNX022-01L	BNX022-01L	1
C4, C12, C90, C91	100pF	CL10B101KB8NFNC	4
C1, C9, C17, C52, C89, C92, C93, C94, C95, C96, C97, C98	100nF	CL10B104KB8NNNL	12
C8, C16	22nF	CL10B223KB8WPNC	2
C2, C3, C10, C11	10uF	CL32B106KBJNNWE	4
C5, C6, C7, C13, C14, C15, C30	22uF	CL32B226KAJNNNE	7
K1, K2, K3, K4	IM06JR	IM06JR	4
J8	JXD2-0Z10NL	JXD2-0Z10NL	1
JP1, JP2, JP3, JP4	M20-8770342	M20-8770342	4
J3	M20-8770542	M20-8770542	1
S2	MK15-B-2	MK15-B-2	1
D2	PDZVTFTR10B	PDZVTFTR10B	1
R5, R8	22.1kR	RC0603FR-0722K1L	2
R6	69.8kR	RC0603FR-0769K8L	1
R4, R7	200kR	RC0603FR-07200KL	2
R3	309kR	RC0603FR-07309KL	1
R18, R19, R78, R83	1kR	RC0603JR-071KL	4
R10, R11, R12, R26, R79, R80, R82, R84, R85, R87, R88, R89, R91, R93, R94, R95, R97, R99, R100, R101, R103, R105, R106, R107, R108, R109, R114, R115	10kR	RC0603JR-0710KP	28
R13, R14, R15, R16, R17	33R	RC0603JR-0733RL	5
R20, R21, R22, R23, R24, R25	51kR	RC0603JR-0751KL	6
R1, R76, R77, R81, R86, R90, R92, R96, R98, R102, R104, R110, R111, R112, R113	100R	RC0603JR-07100RL	15
R9	300R	RC0603JR-07300RL	1
R75	120R	RC1206FR-07120RL	1
R2	2kR	RC1206JR-072KL	1
Q4, Q5, Q6, Q7	SI2304DDS-T1-GE3	SI2304DDS-T1-GE3	4
U19, U20	SM712.TCT	SM712.TCT	2
D7, D10, D14, D15, D18, D19, D22, D23	SMAJ5.0A-13-F	SMAJ5.0A-13-F	8
D4, D11	SMAJ12A-13-F	SMAJ12A-13-F	2
D1	SMAJ28CA-13-F	SMAJ28CA-13-F	1
U18	SP3071EEN-L/TR	SP3071EEN-L/TR	1
L2	4.7uH	SRU1048-4R7Y	1
L1	10uH	SRU1048-100Y	1
U4, U5, U7, U8	SRV05-4ATR	SRV05-4ATR	4
J9	USB3106-30-0230-A	USB3106-30-0230-A	1

View from Bottom side (Scale 1.5:1)





Notes:
1. All dimensions are for reference only

Title: ASM Drawing			RFTechnologies, Inc. 3125 N. 126th Street Brookfield, WI 53005 Ph: 262-790-1771
Project: Next Gen Security System			
Size B	Number: 0000-0000	Revision 0.1.0	Engineer:
Date: 30.09.2022	Time: 18:05	Sheet 3 of 3	Feruz Topalov
File: Door_Controller_Single_ASM.PCBDwf			

