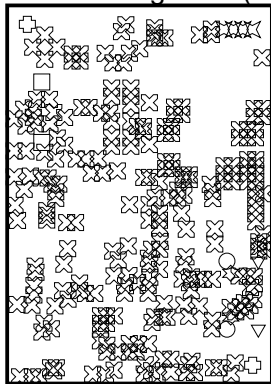


Layer Stack Legend

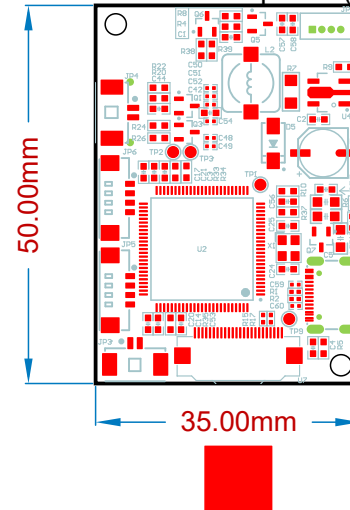
Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.04mm		Signal	GTL
Prepreg		0.07mm	PP-006	Dielectric	
CF-004	GND02	0.04mm		Internal Plane	GP1
		0.32mm	FR-4	Dielectric	
CF-004	ART03	0.04mm		Signal	G1
Prepreg		0.07mm	PP-006	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

Total thickness: 0.62mm

Drill Drawing View (Scale 1:1)



View from Top side (Scale 1:1)



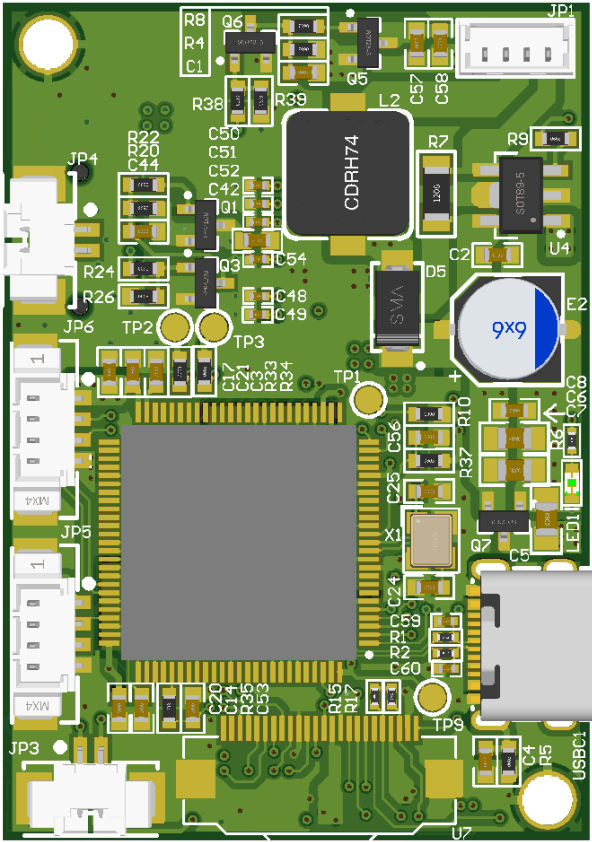
View from Bottom side (Scale 1:1)



Bill Of Materials

Line #	Designator	Comment	Quantity
1	C1, C13, C32, C38, C44, C45, C55	10nF/NC	7
2	C2, C42	1uF	2
3	C3, C14, C26	2.2uF	3
4	C4	0.1uF	1
5	C5, C6, C7	22uF	3
6	C8, C10, C12, C16, C18, C19, C20, C21, C22, C23, C28, C30, C34, C36, C40, C41, C43, C47, C56, C58	100nF	20
7	C9, C11, C15, C17, C27, C29, C33, C35, C39, C46, C57	10uF	11
8	C24, C25	12pF	2
9	C48, C49, C50, C51, C52, C53, C54, C59, C60	NC	9
10	D5	SS34	1
11	E2	100uF/16V	1
12	J1	TF_Card	1
13	JP1, JP5, JP6	HDR-1X4	3
14	JP3, JP4	HDR-1X2	2
15	L2	33uH	1
16	LED1	□□□□□	1
17	Q1, Q2, Q5, Q7	SI2301	4
18	Q3, Q4, Q6	MMBT3904	3
19	R1, R2, R35	10R	3
20	R3, R11, R12, R13, R16, R19, R33, R34	0R	8
21	R4, R20, R21	100K	3
22	R5	1M	1
23	R6, R15, R17	4.7K	3
24	R7	0.1R	1
25	R8	10K	1
26	R9, R10, R14, R26, R27, R37, R39	10K	7
27	R22, R23, R24, R25, R38	1K	5
28	R28, R29, R30, R31, R32	47K	5
29	R36	4.7K/NC	1
30	TP1	BOOT0	1
31	TP2, TP6	RXD	2
32	TP3, TP5	TXD	2
33	TP7	JTMS	1
34	TP8	JTCK	1
35	TP9	VCPU	1
36	U1	XC6228D332VR-G	1
37	U2	STM32F407VET6	1
38	U4	NS4115	1
39	U5	XC6219B132MR	1
40	U6	XC6219B282MR	1
41	U7	OV2640	1
42	U8	SU-03T	1
43	USBC1	TYPE-C 2.0 -16P	1
44	X1	8M	1
45	Y1	24.000Mhz	1

Realistic View



Realistic View

