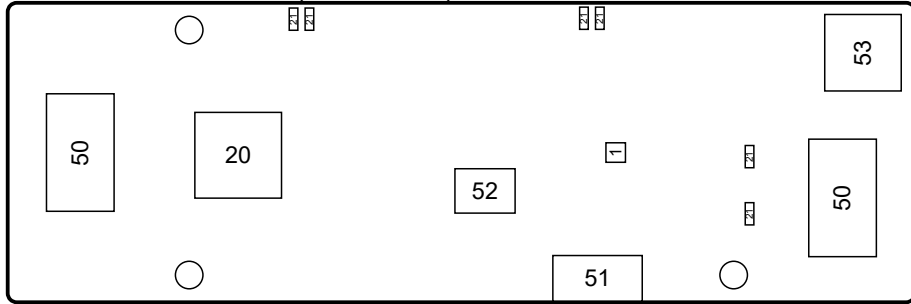
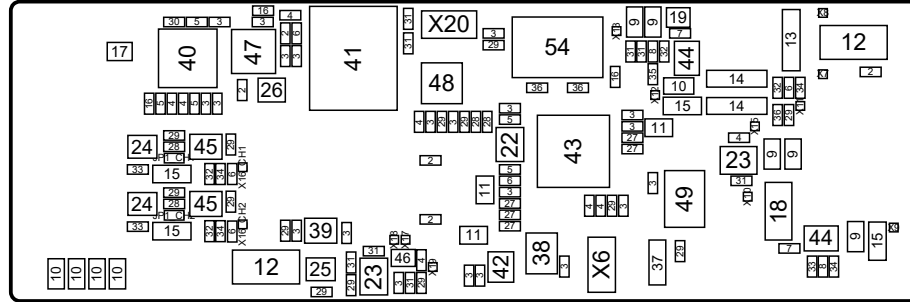


View from Bottom side (Scale 1.2:1)



View from Top side (Scale 1.2:1)



Bill Of Materials

Line #	Designator	Comment	Quantity
39	U2	VRH2851NTX	1
40	U3	SKY65383-11	1
41	U4	MAX-M10S-00B	1
42	U5	LSM6DSO32	1
43	U6	STM32F411CEU6	1
44	U7, U8	AP63300	2
45	U9_CH1, U9_CH2	TF0216-USQ	2
46	U10	TC7S08FU,LF	1
47	U11	SX1280IMLTRT	1
48	U12	STM32G071GBU6	1
49	U13	W25Q128JVPIM	1
50	X1, X2	WAGO 2601-1104	2
51	X3	JST GH 5-Pin	1
52	X4	Servo Connector	1
53	X5	SMA	1
54	X14	USB 2.0 Typ-C	1

Bill Of Materials

Line #	Designator	Comment	Quantity
1	ANT1	ANT-GNSS	1
2	C1, C2, C30, C49, C51	10nF	5
3	C3, C4, C5, C6, C11, C13, C14, C16, C17, C18, C20, C22, C23, C24, C27, C45, C47, C48, C53, C54, C55	100nF	21
4	C7, C8, C15, C21, C28, C29, C46, C52	4.7uF	8
5	C9, C10, C12, C25, C26	10pF	5
6	C19, C36, C44_CH1, C44_CH2, C50	1uF	5
7	C31, C37	100nF	2
8	C32, C38	47pF	2
9	C33, C34, C35, C40, C41	22uF	5
10	C39, C42_CH1, C42_CH2, C43_CH1, C43_CH2	22uF	5
11	D1, D2, D7	PD4E1U06	3
12	D3, D8	SL1045	2
13	D4	SMAJ28CA/TR13	1
14	D5, D6	SL34F	2
15	F1, F2, F3_CH1, F3_CH2	1.5A/200ms	4
16	FB1, FB2, FB3	BLM18KG102SN1D	3
17	FL1	DEA202450BT-1213C1	1
18	L1	4.7μH	1
19	L2	3.3μH	1
20	LS1	Buzzer	1
21	P1, P2, P3, P4_CH1, P4_CH2, P5	LED	6
22	Q1	8MHz	1
23	Q2, Q5	PMBT3904	2
24	Q3_CH1, Q3_CH2	AON7544	2
25	Q4	G16P03	1
26	Q6	52MHz	1
27	R1, R2, R3, R22, R23	47	5
28	R4, R5, R30_CH1, R30_CH2	270	4
29	R6, R7, R9, R13, R14, R27, R31_CH1, R31_CH2, R32_CH1, R32_CH2, R34, R35, R37, R41	10k	14
30	R8	10k	1
31	R10, R11, R12, R15, R36, R38, R39, R40	1.0k	8
32	R16, R20, R29_CH1, R29_CH2	75k	4
33	R17, R28_CH1, R28_CH2	43k	3
34	R18, R19, R33_CH1, R33_CH2	8.2k	4
35	R21	24k	1
36	R24, R25, R26	5.1k	3
37	S1	SMD-Button	1
38	U1	MS5607-02BA03	1