≥

1 4
2 4
2.1 4
2.2 5
2.3 6
2.3.1 6
2.3.2 7
3 9
3.1 9
3.2 11
3.2.1 11
3.2.2 13
4 14
4.1 14
4.2 14
4.3 14
4.4 .....
4.5 15

V1.0			
V1.1			

8P2

AFE+MCU+ + MOS

AFE

2.1



2.

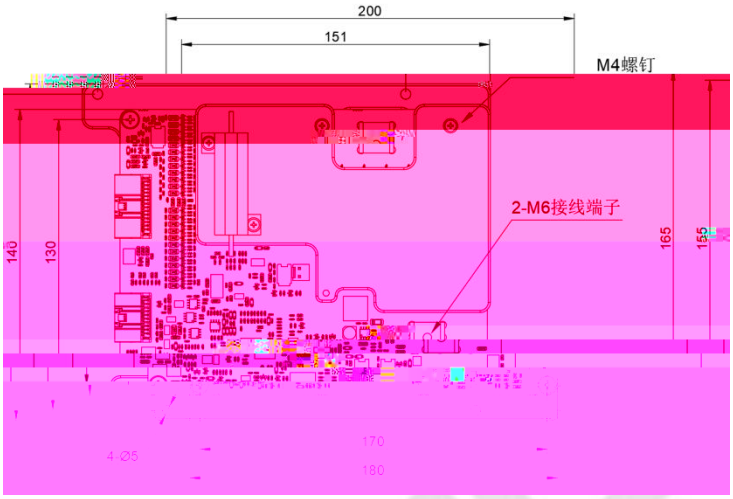
2.1

		30V~100V	
		≤ 100uA	@72V
		≤ 700uA	
		≤ 15mA	
		ACC ON CRG RTC	
		2	
		30V~100V	
		≤ ± 1V	
		23S	
		0~5V	
		15 ~35 ± 15mV ± 25mV	
		-150A~150A	
		-30A~30A ± 200mA; 30A ± 2%;	
			@ 3.65V
		58.8mA	
	/	5	
		-40~125	
		± 2 (-30~65), ± 3 ( )	
	MOS/ /	6	
		-40~125	
		± 2 (-30~65), ± 3 ( )	

		MOS	
		80A	
		130A	@30S
		≥ 1A	72V 50V ≥ 1A@1S
	CAN	CAN BMS	
		2	
		CAN	
		-40 ~85	
		-40 ~85	



2.2 3D



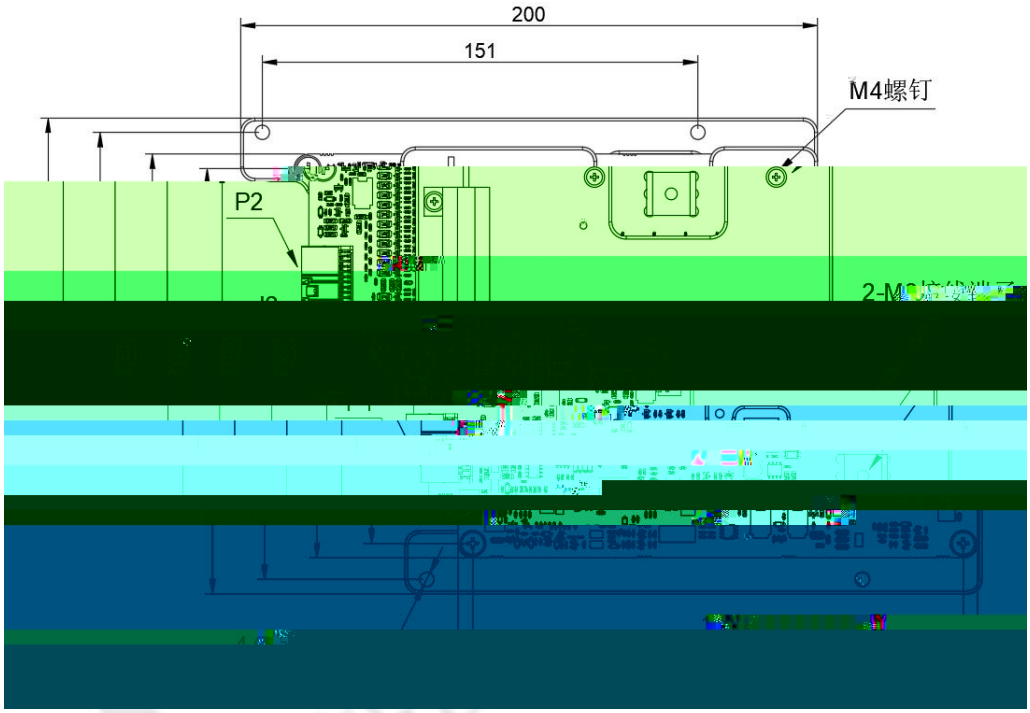


2.3

2.2 PCB

/mm

B8P240680 5 P1 P2 J2 J3 J4 J5 P1
,P2 J2
T6 J3 P- J5 B- J4
3.1 3.2
3.1



3.1

	8	B11+	11	C11+	C11	
	9	B9+	9	C9+	C9	
	10	B7+	7	C7+	C7	
	11	B5+	5	C5+	C5	
	12	B3+	3	C3+	C3	
	13	B1+	1	C1+	C1	
	14	/	/			/
	15	/	/			/
	16	B1-	1	C1-	C1	
	17	B2+	2	C2+	C2	
	18	B4+	4	C4+	C4	
	19	B6+	6	C6+	C6	
	20	B8+	8	C8+	C8	
	21	B10+	10	C10+	C10	
	22	B12+	12	C12+	C12	
	23	B13+	13	C13+	C13	
	24	B15+	15	C15+	C15	
	25	B17+	17	C17+	C17	
	26	B19+	19	C19+	C19	
	27	B21+	21	C21+	C21	
	28	B23+	23	C23+	C23	
J5	/	B-				
J3	/	P-				
J4	/	R_YC				
J2	/	NTC6/ NTCGND2				T6

/

BMS

➢

:

℮ B+_1 → & B+_2→ ● P+ → ❍ B-_1

■P2 → P1→ ◘B-_2 →❑P-

➢

■P2 → P1→ ◘B-_2 →❑P-

℮ B+_1 → & B+_2→ ● P+ → ❍ B-_1

1.
2.

1.
2.
3.