

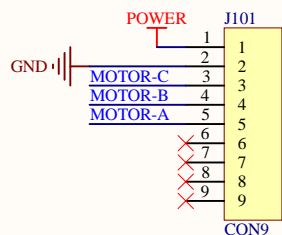
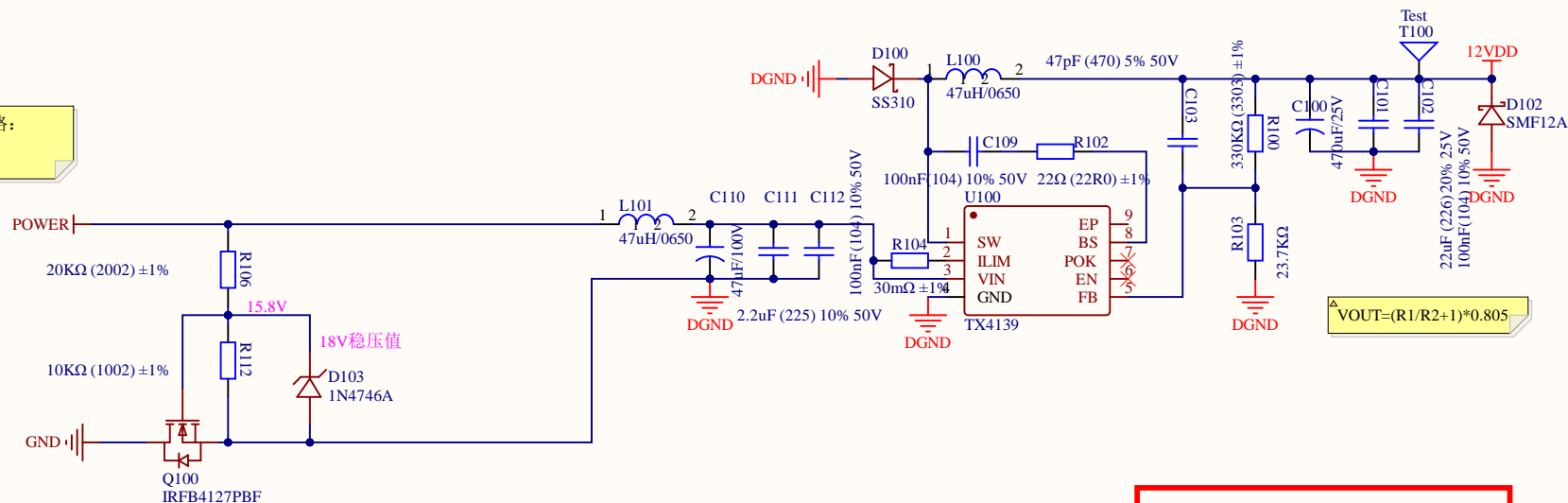
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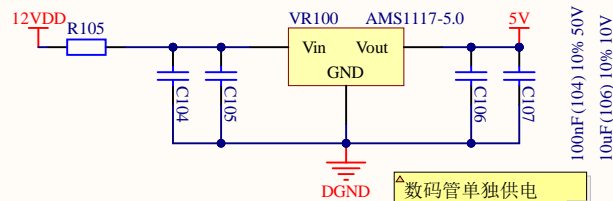
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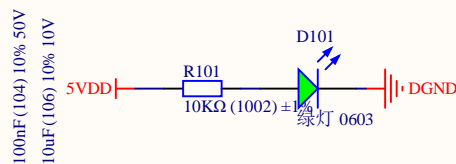
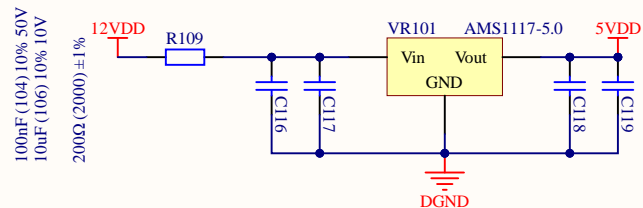
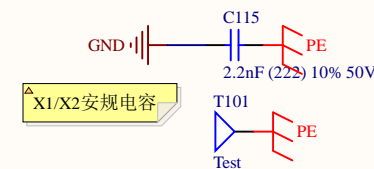
IRFB4127PBF规格:
VGS: 20V
VGS_TH: 3--5V



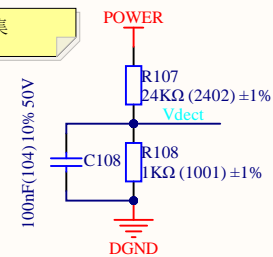
100nF (104) 10% 50V
10 μ F (106) 10% 10V
200 Ω (2000) $\pm 1\%$



接外壳



母线电压采集



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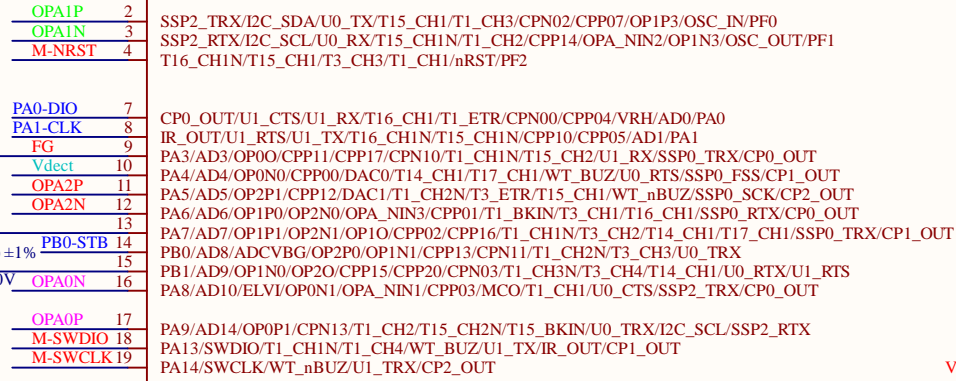
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4

{02 MCU 30mA @ 5V}

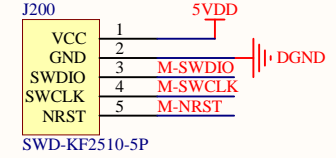
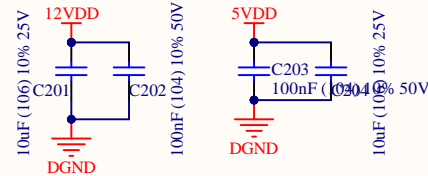
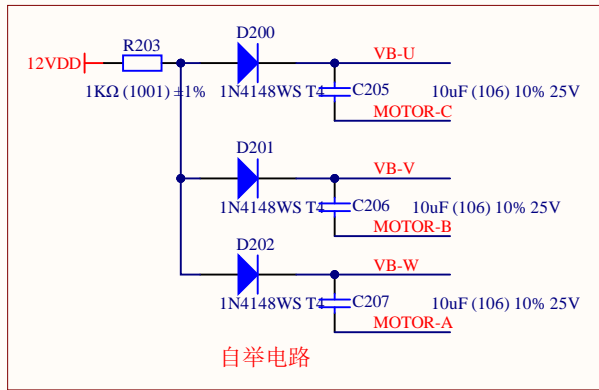
[ECU SP Read TIM4-CH3]

U200

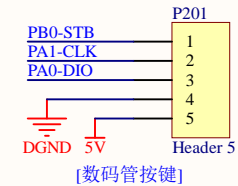
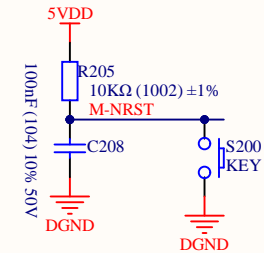
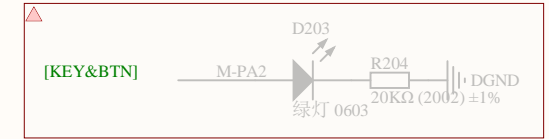


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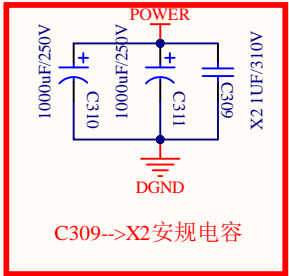
LCP037BK32ET8封装: LQFP-32
LCP037BK32EU8封装: QFN-32



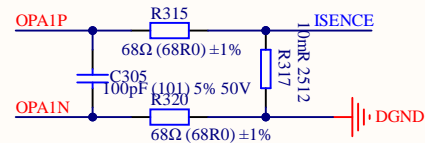
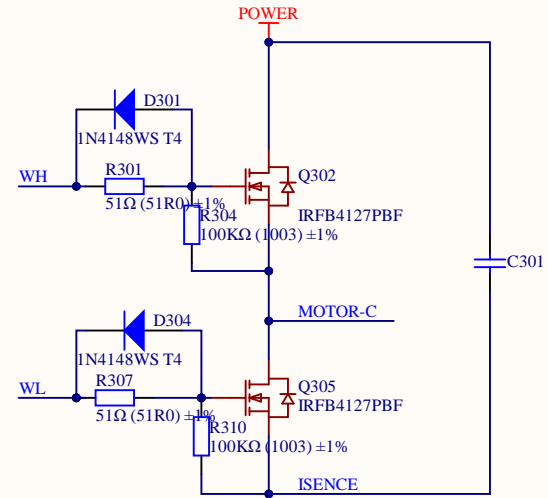
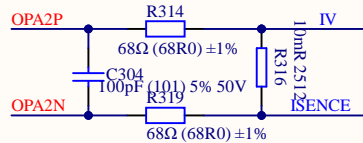
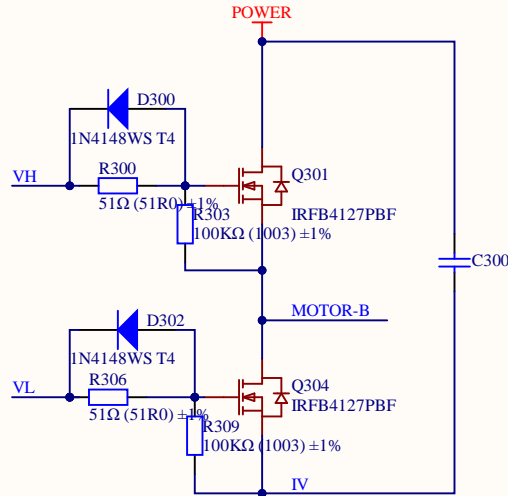
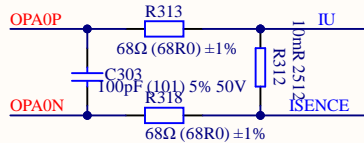
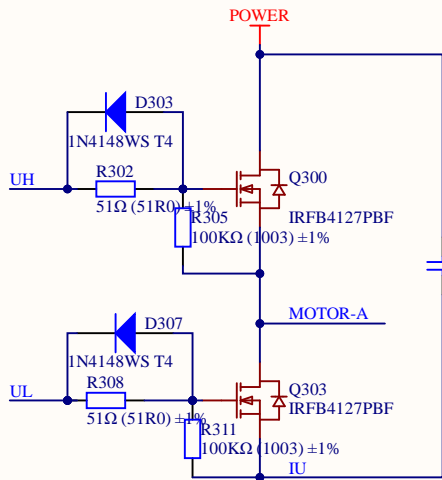
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MOS型号: IRFB3607PBF 75V 80A 9mΩ 1.9元
IRFB4127PBF 200V 76A 20mΩ 16元
NCEP1580: 150V 80A 6.02元



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2023-5-9-V0.1



Comment	Description	Designator	Footprint	LibRef	Quantity
470uF/25V		C100	47UF/100V	CapSMT220u_16V	1
22uF (226) 20% 25V	贴片电容	C101	0805_C	0805 22uF (226) 20% 25V	1
100nF(104) 10% 50V	贴片电容	C102, C108, C109	0805_C	0805 100nF(104) 10% 50V	3
47pF (470) 5% 50V	贴片电容	C103	0805_C	0805 47pF (470) 5% 50V	1
100nF (104) 10% 50V	贴片电容	C104, C106, C116, C118, C202, C203, C208	0603_C	0603 100nF (104) 10% 50V	7
10uF (106) 10% 10V	贴片电容	C105, C107, C117, C119	0603_C	0603 10uF (106) 10% 10V	4
47uF/100V		C110	47UF/100V	CapSMT220u_16V	1
2.2uF (225) 10% 50V	贴片电容	C111	1206_C	1206 2.2uF (225) 10% 50V	1
100nF (104) 10% 50V	贴片电容	C112	1206_C	1206 100nF (104) 10% 50V	1
2.2nF (222) 10% 50V	贴片电容	C115	X1/Y1 500V	0603 2.2nF (222) 10% 50V	1
1uF (105) 10% 50V	贴片电容	C200	0603_C	0603 1uF (105) 10% 50V	1
10uF (106) 10% 25V	贴片电容	C201, C204, C205, C206, C207	0805_C	0805 10uF (106) 10% 25V	5
100nF (104) 10% 100V	贴片电容	C300, C301, C302	1206_C	1206 100nF (104) 10% 50V	3
100pF (101) 5% 50V	贴片电容	C303, C304, C305	0805_C	0805 100pF (101) 5% 50V	3
X2 1UF/310V	贴片电容	C309	X2 1UF 310V	1206 100nF (104) 10% 50V	1
1000uF/250V	电解电容	C310, C311	1000uf/250V	CAP2	2
SS310		D100	SS310	SS310	1
绿灯 0603	发光二极管	D101	0603_LED_S1	0603 绿灯	1
SMF12A		D102	SMF12A - duplicate	SMF12A	1
1N4746A		D103	1N4746A	1N4746A	1
1N4148WS T4	二极管	D200, D201, D202, D300, D301, D302, D303, D304, D307	SOD-323	SOD-323 1N4148WS T4	9
CON9		J101	CON9 9.5mm	CON9	1
SWD-KF2510-5P		J200	XH2.54-5P	ST-LINK-SWD	1
47uH/0650		L100, L101	0650_47uH	Inductor	2
Header 5	Header, 5-Pin	P201	XH2.54-5P	Header 5	1
IRFB4127PBF		Q100, Q300, Q301, Q302, Q303, Q304, Q305	IRFB4127	IRFB4127PBF	7
330K Ω (3303) \pm 1%	贴片电阻	R100	0805_R	0805 330K Ω (3303) 1%	1
10K Ω (1002) \pm 1%	贴片电阻	R101, R202, R205	0603_R	0603 10K Ω (1002) 1%	3
22 Ω (22R0) \pm 1%	贴片电阻	R102	0805_R	0805 22 Ω (22R0) 1%	1
23.7K Ω	贴片电阻	R103	0805_R	0805 22 Ω (22R0) 1%	1
30m Ω \pm 1%	贴片电阻	R104	0603_R	0603 100K Ω (1003) 1%	1
200 Ω (2000) \pm 1%	贴片电阻	R105, R109	1206_R	1206 300 Ω (3000) 1%	2
20K Ω (2002) \pm 1%	贴片电阻	R106	0805_R	0805 20K Ω (2002) 1%	1
24K Ω (2402) \pm 1%	贴片电阻	R107	1206_R	1206 0 Ω (0R0) 1%	1
1K Ω (1001) \pm 1%	贴片电阻	R108, R200, R201, R203	0805_R	0805 1K Ω (1001) 1%	4
10K Ω (1002) \pm 1%	贴片电阻	R112	0805_R	0805 10K Ω (1002) 1%	1
51 Ω (51R0) \pm 1%	贴片电阻	R300, R301, R302, R306, R307, R308	0805_R	0805 51 Ω (51R0) 1%	6
100K Ω (1003) \pm 1%	贴片电阻	R303, R304, R305, R309, R310, R311	0805_R	0805 100K Ω (1003) 1%	6
10mR 2512		R312, R316, R317	R2512	Res10K	3
68 Ω (68R0) \pm 1%	贴片电阻	R313, R314, R315, R318, R319, R320	0805_R	0805 68 Ω (68R0) 1%	6
KEY		S200	按键3*4	KEY	1
Test		T100, T200	Testpoint	TestPad	2
Test		T101	接地螺丝孔	TestPad	1
TX4139		U100	ESOP8	TX4139	1
LCPO37BK32ET8		U200	LQFP32	LCPO37BT32EU8	1
AMS1117-5.0	低压差线性稳压 (LDO)	VR100, VR101	SOT-223	SOT-223 AMS1117-5.0	2