



Title		
Size A1	Number	Revision
Date: 2020/11/13	Sheet of	
C:\Users\user\AppData\Local\Temp\13072020\13072020.dwg		

Comment	Description	Designator	Footprint	LibRef	Quantity
小焊盘		*3, *4, *5	PAD_1mm_DEBUG	小焊盘	3
0.1uF 16V 0603	Capacitor	C1	0603_C	CAP	1
100uF 25V 1206 贴片	Capacitor	C2	1206C	CAP_tan	1
33nF 0805 50V 华新科	Capacitor	C3	0805_c	CAP	1
100nF 50V 0805	Capacitor	C4	0805_c	CAP	1
470uF 63V 8*10.2 贴片 电解	Capacitor	C5	SMD-EC8X8X10	CAP_tan	1
100nf 100V 1206 三环	Capacitor	C6	1206R	CAP	1
10uf 0603 16V	Capacitor	C7	0603_C	CAP	1
100nf 0603 16v 风华	Capacitor	C8	0603C	CAP	1
1nF 16V 0603	Capacitor	C9	0603_R	CAP	1
100nf 0603 16v	Capacitor	C11, C19, C20, C21, C24, C25, C27, C30	0603_C	CAP	8
10uf 0603 16v	Capacitor	C12	0603C	CAP	1
10uF 25V 1206	Capacitor	C13	1206	CAP	1
100nF 25V 1206	Capacitor	C14	1206C	CAP	1
22uF MLCC 0805	Capacitor	C15	0805_c	CAP	1
1nF 25v 0603	Capacitor	C16	0603C	CAP	1
100nF 25V 0603	Capacitor	C17	0603C	CAP	1
22uF MLCC 0805	Capacitor	C18	0805C	CAP	1
1uF 0603 16v	Capacitor	C26	0603_C	CAP	1
10uF 1206 50v	Capacitor	C31, C32, C33, C34	1206	CAP	4
100nF 0603 16v	Capacitor	C35	0603_C	CAP	1
SS210 肖特基	100V	D1	DO-214AC	SS210 肖特基	1
LED_RED	Typical INFRARED GaAs LED	D2	0603_LED	LED0	1
LED_GREEN	Typical INFRARED GaAs LED	D3	0603_LED	LED0	1
LED_BLUE	Typical INFRARED GaAs LED	D4	0603_LED	LED0	1
FR107 SOD-123F	High Conductance Fast Diode	D6, D7	0805	Diode 1N914	2
1N4148 SOD123	High Conductance Fast Diode	D8, D9, D11	1206C	Diode 1N4148	3
1N4148	High Conductance Fast Diode	D10	1206C	Diode 1N4148	1
MBR20100CD 20A	High Conductance Fast Diode	D12	TO252	1N4007	1
HT3.96*2P	Header, 2-Pin	IN1, OUT1	HT3.96W-2P	Header 2	2
header		JP1, JP2, JP3	PH2.0-4P	HEADER 4	3
header		JP4	PH2.0-2P	HEADER 2	1
100uH 1A		L1	CD54	L_Inductance	1
4.7uH 1.5A 4*4*3		L2	CD43	L_Inductance	1
MOSFET N		Q1, Q2, Q3, Q4	MOS	MOSFET N	4
100K 0603	Resistor	R1	0603R	RES	1
20K 0805	Resistor	R2	0805R	RES	1
30.9K 0603	Resistor	R3	0603_C	RES	1
10R 0603	Resistor	R4	0603R	RES	1
2.4K 0805	Resistor	R5	0805R	RES	1
5.76K 0603	Resistor	R6	0603R	RES	1
1K 0603	Resistor	R7, R9, R10, R11, R19, R20, R21	0603R	RES	7
0.15R 0805	Resistor	R8	0805R	RES	1
10K 0603	Resistor	R13, R18, R22	0603R	RES	3
39K 0603	Resistor	R14	0603R	RES	1
2K2 0603	Resistor	R16	0603R	RES	1
10K NTC 0603	Resistor	R17	0603R	RES	1
120R 0603	Resistor	R23	0603R	RES	1
100R 0603	Resistor	R24, R25, R26, R27, R28	0603R	RES	5
0.0005R 2512	Resistor	R29	2512R	RES	1
S3D8 SMD OSCILLATOR		SOC1	OSC_KH3225_4P	S3D8 SMD OSCILLATOR	1
XL7035E1	80V Input 1A 150kHz DCDC	U1	TO-263-5 - A	XL7035E1	1
AMS1117	3.3V电压转换器 AMS1117	U2	SOT-223	AMS1117	1
SX2106	21V Input 2A 600kHz DCDC	U3	SOP23-6	SX2106	1
STM32F042K6T6	ARM Cortex-M0 32-bit MCU, 32 KB Flash, 4 KB Internal RAM, 26 I/Os, 32-pin LQFP, -40 to 85 degC, Tray	U6	LQFP32 7X7	STM32F030K6T6	1
TJA1050		U9	SOP8	TJA1050	1
EG3112	双通道半桥驱动	U10, U11	SOP8	EG3112	2
AD8418		U12	SOP8	AD8418	1