

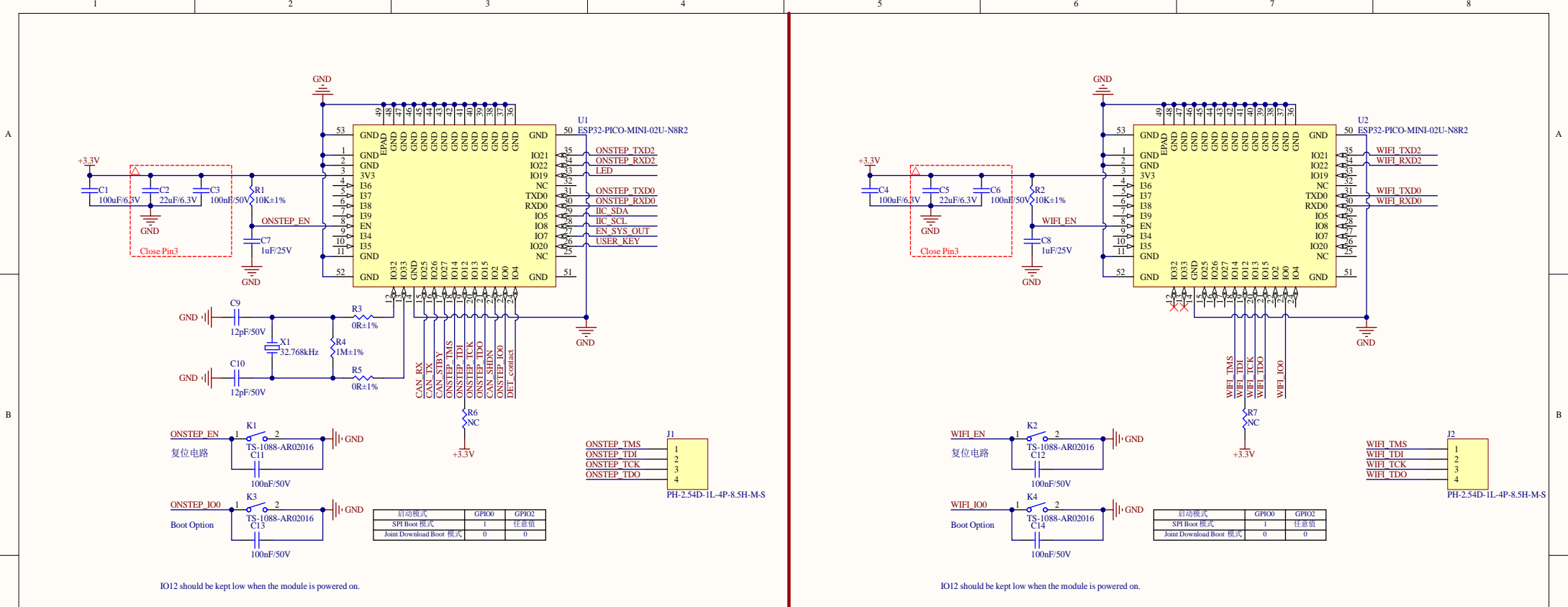
Title TOP			EDS imaging technology co.,ltd F6-1, second floor Haichuang Base (South) No. 368, Liuhe Road, Puyuan Street Binjiang District, Hangzhou
Size: A4	Number: EDS32_MB	Revision: V1.0/0	
Date: 2025/12/24	Time: 9:40:47	Sheet 1 of 6	
File: D:\work\AstronomicalCamera\Pulsar\PULSAR_11_ONSTEP\TOP.SchDoc			

1

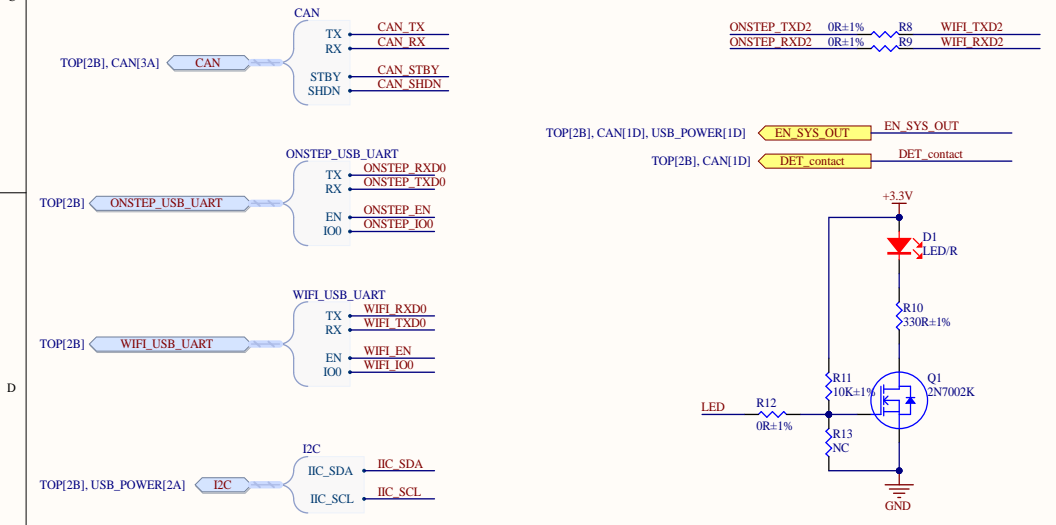
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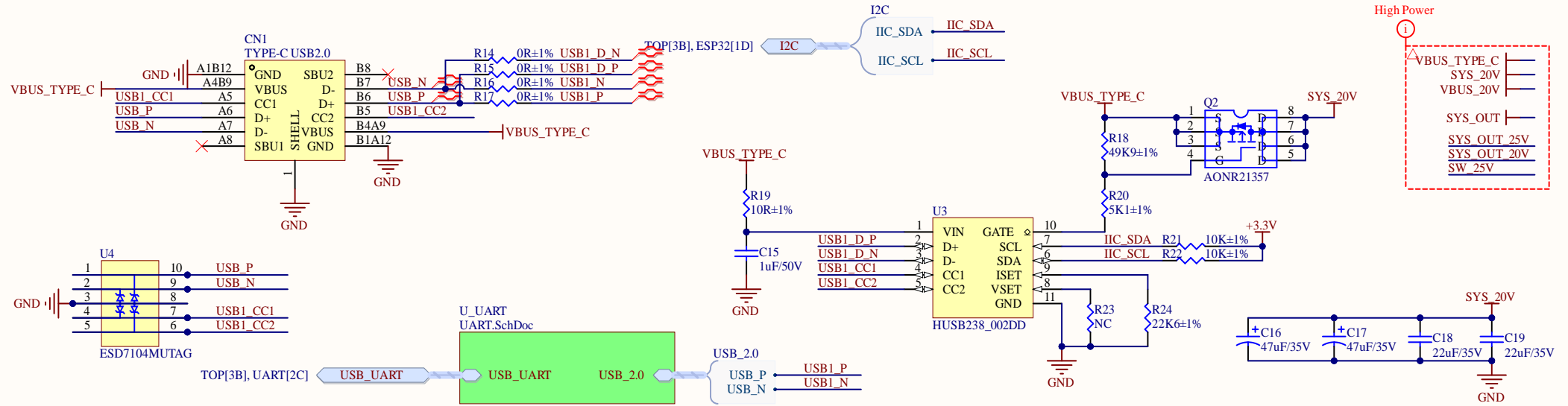
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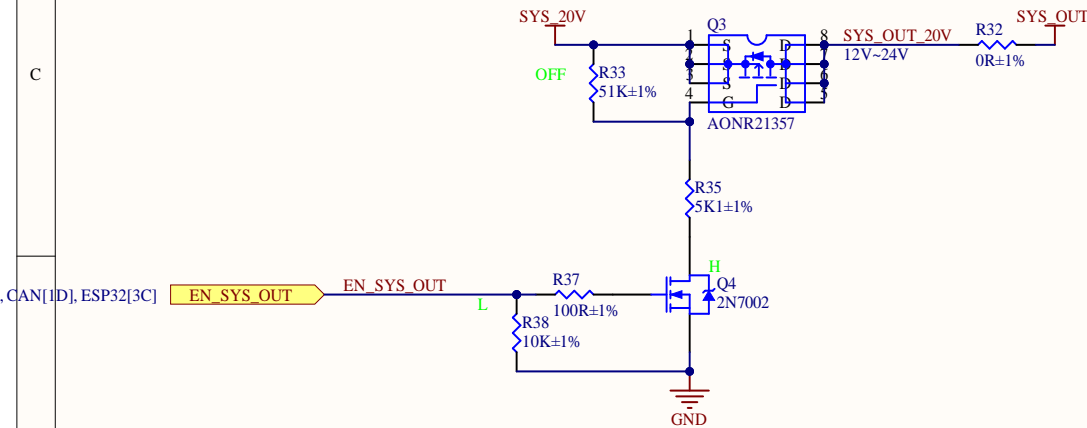


用户按钮

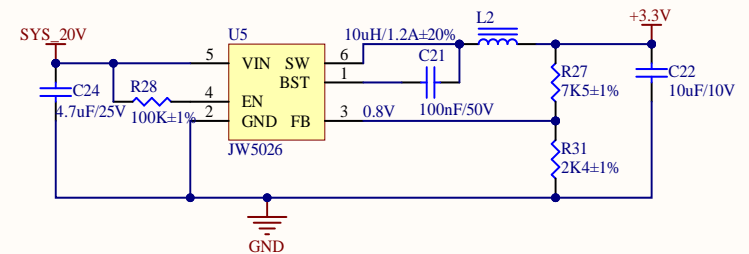





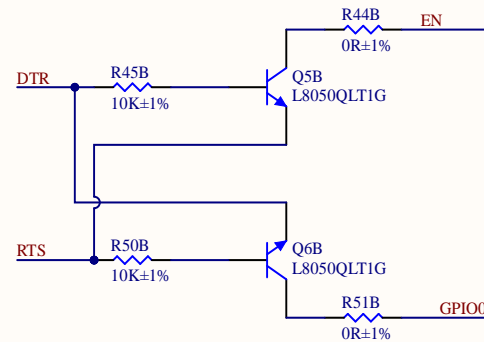
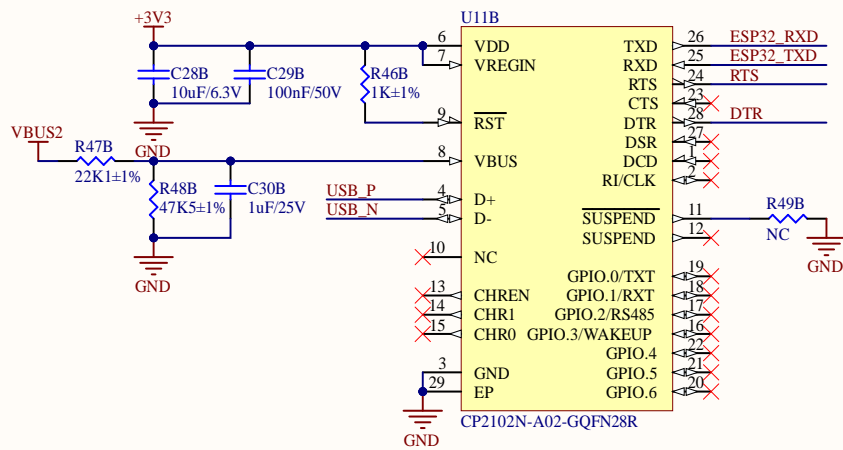
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系统供电

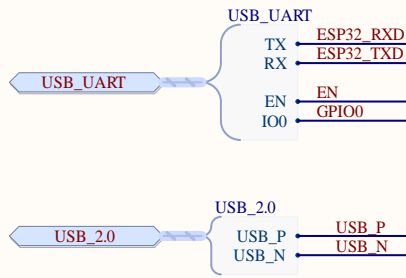


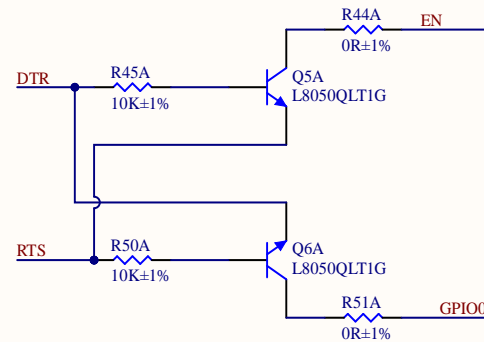
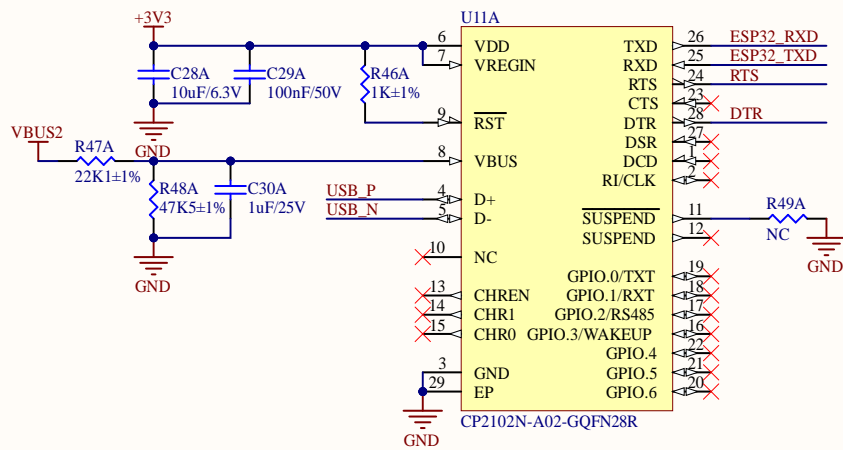
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Size: A4	Number: EDS32_MB	Revision: V1.0/0		
Date: 2025/12/24	Time: 9:40:48	Sheet 3 of 6		
File: D:\work\AstronomicalCamera\Pulsar\PULSAR_11_ONSTEP\USB_POWER.SchDoc				



Auto program

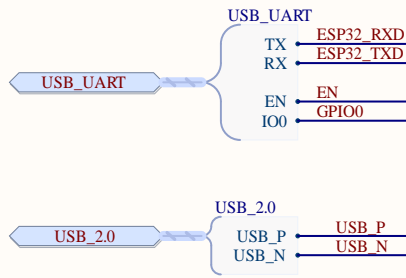
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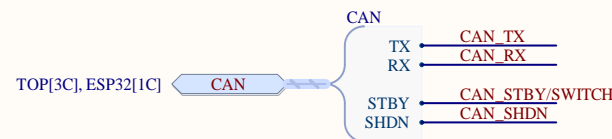
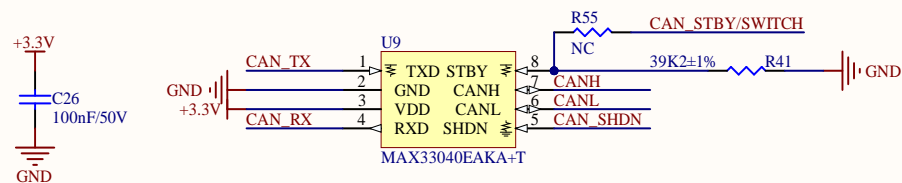


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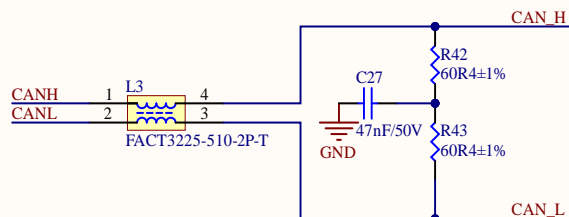
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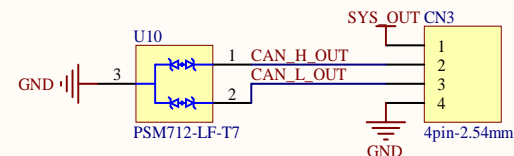
CAN收发器



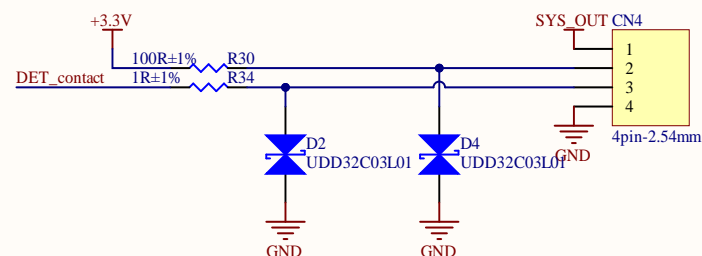
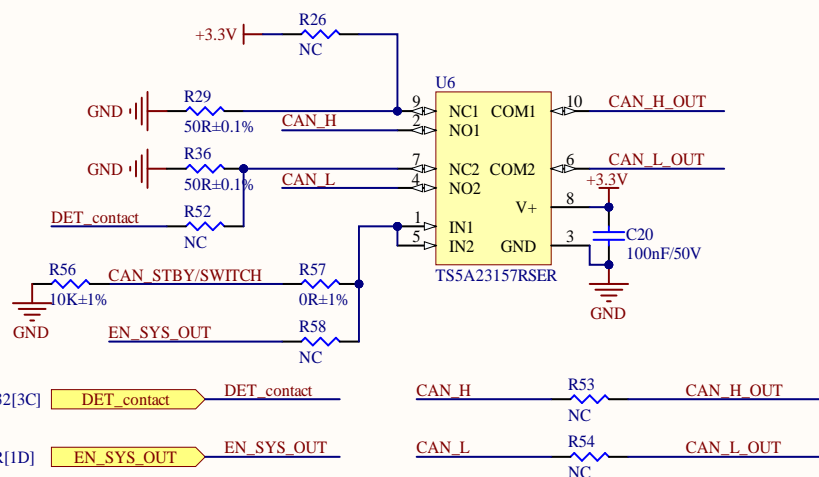
终端电阻配置

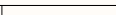


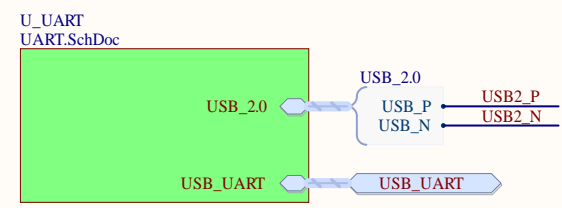
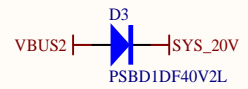
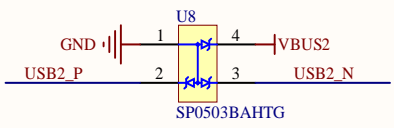
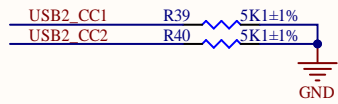
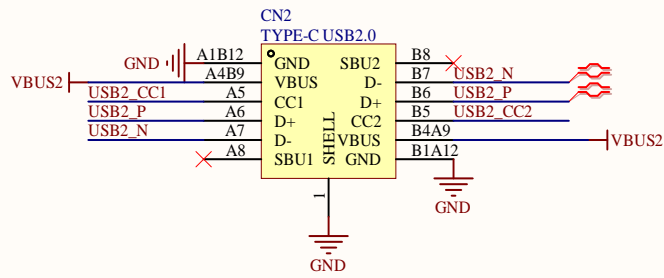
终端电阻配置

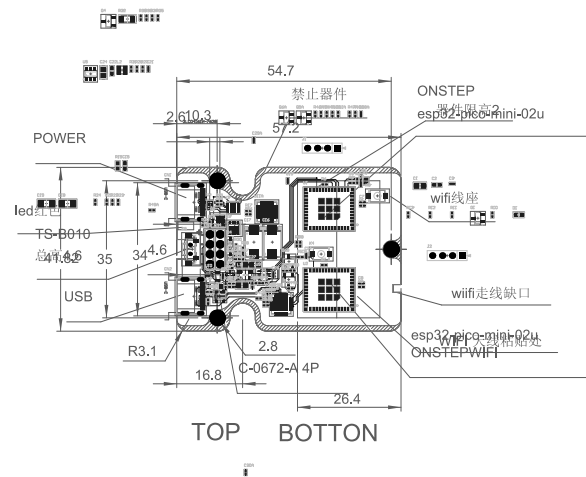
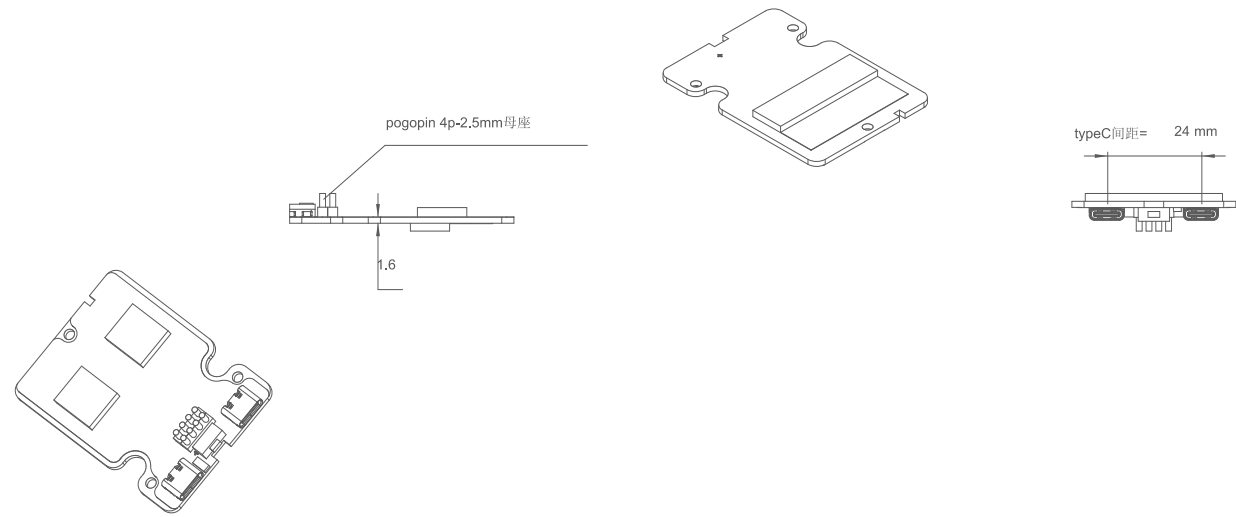


总线断开



Title CAN通讯			<i>EDS imaging technology co.,ltd F6-1, second floor Haichuang Base (South) No. 368, Liuhe Road, Puyan Street Binjiang District, Hangzhou</i>	
Size: A4	Number: P11M	Revision: V1.0/0		
Date: 2025/12/24	Time: 9:40:49	Sheet 5 of 6		
File: D:\work\AstronomicalCamera\Pulsar\PULSAR_11_ONSTEP\CAN.SchDoc				





Comment	Description	Designator	Footprint	Libref	Quantity	Manufacturer	Manufacturer's P/N	ECAD Code	ESMT
100uF/6.3V	一般用片状多引脚陶瓷电容器	C1, C4	10805	100uF/6.3V±20%K805	2	muRata(村田)	GRM188R60J70E7	C141660	SMT片式电容
33uF/6.3V	一般用片状多引脚陶瓷电容器	C2, C3	10803	33uF/6.3V±20%K803	2	SAMSUNG(三星)	C110324M030N8NC	C39461	SMT片式电容
100uF/50V	贴片电容(MLCC)	C1, C6, C71, C72, C73, C14, C20, C71, C72, C73A, C73B	CD402	100uF/50V±10%K402	11	SAMSUNG(三星)	CL05B104K0549NC	C107331	SMT片式电容
1uF/25V	贴片电容(MLCC)	C7, C8, C30A, C30B	CD402	1uF/25V±10%K402	4	SAMSUNG(三星)	CL05A105K0549NC	C20623	SMT片式电容
12uF/50V	贴片电容(MLCC)	C9, C10	CD402	12uF/50V±10%K402	2	村田(村)	PH05CC120500NT	C1547	SMT片式电容
1uF/50V	贴片电容(MLCC)	C15	CD603	1uF/50V±10%K603	1	SAMSUNG(三星)	CL10A105K0500NC	C15849	SMT片式电容
47uF/35V	铝电容	C16, C17	CT2917_7343	47uF/35V±20%CT2917	2	Kyocera AVX	TAE4716SR1V226MT00E	CT723	SMT片式电容
22uF/50V	贴片电容(MLCC)	C18, C19	C1206	22uF/50V±20%K1206	2	TDK	C3216A5R1V226MT00E	C140620	SMT片式电容
10uF/10V	贴片电容(MLCC)	C22	CD603	10uF/10V±10%K603	1	SAMSUNG(三星)	CL10A10MP0000NC	C19702	SMT片式电容
6.3uF/25V	一般用片状多引脚陶瓷电容器	C24	10805	6.3uF/25V±10%K805	1	SAMSUNG(三星)	C121A75KAC0N8NC	C1779	SMT片式电容
47uF/50V	一般用片状多引脚陶瓷电容器	C27	10805	47uF/50V±10%K805	1	SAMSUNG(三星)	C121B150K030N8NC	C53134	SMT片式电容
10uF/6.3V	贴片电容(MLCC)	C28A, C28B	CD402	10uF/6.3V±20%K402	2	SAMSUNG(三星)	CL05A10M030N8NC	C15525	SMT片式电容
TYPE-C USB2.0 4pin-2.54mm	TYPE-C 母 接口 USB2.0 4pin-2.54mm 连接器	CN1, CN2	9802_2117190001	USB-C 9802_2117190001	2	MOLEX	2117190001	C197684	SMT片式电容
4pin-2.54mm	4pin-2.54mm 连接器	CN3, CN4	PCP-C-0672-A	PCP-C-0672-A	2	普高特(上海)电子有限公司	C-0672-A	NO	
LED	LED 0603 RED	D1	LED0603 RED	LED0603 RED	1	普高特(上海)电子有限公司	NC0006381	C84263	SMT片式电容
UD032C03L01	双向(7VS4SD) 3.3V 100mA	D2, D4	SOD-323	UD032C03L01	2	普高特(上海)电子有限公司	UD032C03L01	C78439	SMT片式电容
PS8010F40V2L	片焊第二级管 40V 100mA	D3	SOD-123FL	PS8010F40V2L	1	Infum(芯碁)	PS8010F40V2L	C496544	SMT片式电容
PH-2.54D-1L-4P-8.5H-M-5	多排针 4pin/2.54mm 直插 总长度5mm, 插针高度 5mm	J1, J2	PH-2.54D-1L-4P-8.5H-M-5	PH-2.54D-1L-4P-8.5H-M-5	2				
TS-108B-AR02016	商品目录 轻触开关	K1, K2, K3, K4	PH-SMD, TS-108B-AR02016	TS-108B-AR02016	4	KUNPU(昆普)	TS-108B-AR02016	C720477	SMT片式电容
TS-1101V5-C-A-A	轻触机械开关 (键) 开关高度 7.8mm 开关长度 5.5mm 开关宽度 3.45mm	K5	TS-1101V5-C-A-A	TS-1101V5-C-A-A	1	KB	TS-1101V5-C-A-A	C18936	SMT片式电容
10uH/1.2A±20%	一体成型电感	L2	PH-SMD 12.5-102	10uH/1.2A±20%K2520	1	普高特(上海)电子有限公司	PH-SMD12.5-102	C5822376	SMT片式电容
FACT12225-510-2P-1	片焊电感 51uH±10% 20MHz 2.5A±20% 100mH	L3	FACT12225-4P	FACT12225-510-2P-1	1	普高特(上海)电子有限公司	FACT12225-510-2P-1	C20000035	SMT片式电容
2N7002K	N-Channel Power MOSFET 漏源电压(Vds) 40V 连续漏极电流 Id 140mA 总功耗 Pd 330mW 导通电阻 RDS(on)@Vgs=4.0V 0.9V@10V/500mA 阈值电压 Vgs(th)@Vds=0V 1.3V@1mA 输入电容 Ciss@Vds=0V 40pF@10V 反向传输电容 Ctr@Vds=0V 10pF@10V	O1	SOT-23-3	2N7002K	1	村田(村田)电子有限公司	2N7002K	C2910165	SMT片式电容
ACNR21351	PMOS -30V/-34A	Q2, Q3	98N_5 91x3.0/6.5/1.65x2.45	ACNR21351	2	ACOS	ACNR21351	C431196	SMT片式电容
2N7002	N-Channel Power MOSFET 漏源电压(Vds) 40V 连续漏极电流 Id 115mA 总功耗 Pd 200mW 导通电阻 RDS(on)@Vgs=4.0V 1.2V@10V/500mA 阈值电压 Vgs(th)@Vds=0V 2.1V@250uA 输入电容 Ciss@Vds=0V 20pF@20V 反向传输电容 Ctr@Vds=0V 10pF@20V	Q4	SOT-23-3	2N7002	1	DAISIS(美盛隆)	C916396	C916396	SMT片式电容
8850SLT1G	贴片三极管	Q5A, Q5B, Q5A, Q5B	SOT-23-3	8850SLT1G	3	AC(泰山)光电子	8850SLT1G	C49581	SMT片式电容
10K-1% 厚膜贴片电阻	R1, R2, R71, R71, R72, R25, R38, R45A, R45B, R50A, R50B, R51	R0402	10K-1%K402		12	YAN-ROYAL(耀荣)	0402WGF1002TC	C25144	SMT片式电容
RR-1% 厚膜贴片电阻	R2, R5, R6, R72, R74, R75, R74, R77, R44A, R44B, R51A, R51B, R57	R0402	RR-1%K402		1	YAN-ROYAL(耀荣)	0402WGF0000TC	C17168	SMT片式电容
1M-1% 厚膜贴片电阻	R4	R0402	1M-1%K402		1	YAN-ROYAL(耀荣)	0402WGF1004TC	C26083	SMT片式电容
100R-1% 专用厚膜贴片电阻	R70	R0402	100R-1%K402		1	HAGCO(恒恒)	AC0402R-07000	C23696	SMT片式电容
49R9-1% 厚膜贴片电阻	R18	R0402	49R9-1%K402		1	YAN-ROYAL(耀荣)	0402WGF4902TC	C23897	SMT片式电容
10R-1% 厚膜贴片电阻	R19	R0603	10R-1%K0603		1	YAN-ROYAL(耀荣)	0603WAF100R5TC	C23859	SMT片式电容
4K1-1% 厚膜贴片电阻	R20, R25, R29, R40	R0402	4K1-1%K402		4	YAN-ROYAL(耀荣)	0402WGF5101TC	C25905	SMT片式电容
22K±1% 厚膜贴片电阻	R24	R0402	22K±1%K402		1	YAN-ROYAL(耀荣)	0402WGF2202TC	C26960	SMT片式电容
7K5-1% 专用厚膜贴片电阻	R27	R0402	7K5-1%K402		1	HAGCO(恒恒)	AC0402R-07500	C227231	SMT片式电容
100K-1% 厚膜贴片电阻	R29	R0402	100K-1%K402		1	YAN-ROYAL(耀荣)	0402WGF1003TC	C25141	SMT片式电容
50R±0.1% 金属电阻	R29, R26	R0402	50R±0.1%K402		2	HAGCO(恒恒)	RT040208050500BL	C853312	SMT片式电容
100R±1% 一般厚膜贴片电阻(贴片电阻)	R30, R21	R0402	100R-1%K402		2	YAN-ROYAL(耀荣)	0402WGF1000TC	C25076	SMT片式电容
2K±1% 厚膜贴片电阻	R31	R0402	2K±1%K402		1	YAN-ROYAL(耀荣)	0402WGF2401TC	C25882	SMT片式电容
9R-1% 厚膜贴片电阻	R32	R1206	9R-1%K1206		1	YAN-ROYAL(耀荣)	1206WAF0000TC	C17888	SMT片式电容
1K±1% 厚膜贴片电阻	R33	R0402	1K-1%K402		1	YAN-ROYAL(耀荣)	0402WGF5102TC	C25794	SMT片式电容
1R-1% 厚膜贴片电阻	R34	R0402	1R-1%K402		1	YAN-ROYAL(耀荣)	0402WGF100R1TC	C14678	SMT片式电容
50K±1% 厚膜贴片电阻	R35	R0402	50K±1%K402		1	YAN-ROYAL(耀荣)	0402WGF50K2TC	C246155	SMT片式电容
60R±1% 厚膜贴片电阻	R42, R43	R0805	60R±1%K0805		2	YAN-ROYAL(耀荣)	0805WAF60R0TC	C12998	SMT片式电容
1K-1% 厚膜贴片电阻	R45A, R45B	R0402	1K-1%K402		2	YAN-ROYAL(耀荣)	0402WGF1001TC	C17702	SMT片式电容
22K1-1% 厚膜贴片电阻	R47A, R47B	R0402	22K1-1%K402		2	YAN-ROYAL(耀荣)	0402WGF2212TC	C43473	SMT片式电容
47K5-1% 厚膜贴片电阻	R48A, R48B	R0402	47K5-1%K402		2	YAN-ROYAL(耀荣)	0402WGF4751TC	C23896	SMT片式电容
ESP32-PICO-MINI-SD1-1MB2	ESP32-PICO-MINI-SD1-1MB2	U1, U2	ESP32-PICO-MINI-SD1-1MB2	ESP32-PICO-MINI-SD1-1MB2	2	ESPRESSO(乐鑫)	ESP32-PICO-MINI-SD1-1MB2	C2013939	
HJ58238_0020D	PD Sink 功率芯片	U3	98N_10 91x3.0/3.4/1.6	HJ58238_0020D	1	Agilent(是德)	HJ58238_0020D	C471904	SMT片式电容
ESD710AM/ITAG	ESD Protection Diode	U4	ESD7N_10 1.35x2.6/0.5	ESD710AM/ITAG	1	TECH PULSAR(泰普)	ESD710AM/ITAG	C2967048	SMT片式电容
AW5026	Input 4-7V-40V Output 0.8V-14V-2V/1A	U5	SOT-23-6	AW5026	1	houm(浩华特)	AW5026	C185109	SMT片式电容
T5A21157R5ER	光刀驱动(Driven) 模块	U6	UCFN-10 2.0x1.6/0.3	T5A21157R5ER	1	川微特(光通)	T5A21157R5ER	C128409	SMT片式电容
SP0503BAHTG	ESD Protection Diode 50V 3A 贴片	U8	SOT-143-4	SP0503BAHTG	1	Infume(美国力)	SP0503BAHTG	C7074	SMT片式电容
MAX3304EAAA-T	CAN收发器 5Mbps	U9	SOT-23-8	MAX3304EAAA-T	2	ADI(亚德)	MAX3304EAAA-T	C5221297	SMT片式电容
PSM112-LF-17	商品目录 耦合器 二倍频(TV) 特性 双向 反向截止电压(Vrwm) 12V 占空比 13.3V 最大额定电压 13V	U10	SOT-23-3	PSM112-LF-17	1	PROTEK	PSM112-LF-17	C12677	SMT片式电容
CP2102N-A02-SCFN288	USB转串口 3Mbps	U11A, U11B	DFN-28, 15.0-15.0-PO-50, TL-EP(1.3)	CP2102N-A02-SCFN288	2	XYWORKS(矽谷)	CP2102N-A02-SCFN288	C294632	SMT片式电容
Q2-7688M	贴片三极管	Q1	SMD1810-2P	Q2AL-32-7688A1610	1	PSOC(普高特)	Q1A0501215005	C314201	SMT片式电容