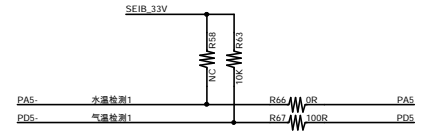


MCU1 IO port test point

⊙P1	PE2	⊙P45	PD8
⊙P2	PE3	⊙P46	PD9
⊙P3	PE4	⊙P47	PD10
⊙P4	PE5	⊙P48	PD11
⊙P5	PE6	⊙P49	PD12
⊙P6	STM_VBAT	⊙P50	PD13
⊙P7	PC13	⊙P51	PD14
⊙P8	PC14	⊙P52	PD15
⊙P9	PC15	⊙P53	PC6
⊙P10	NRST	⊙P54	PC7
⊙P11	PC0	⊙P55	PC8
⊙P12	PC1	⊙P56	PC9
⊙P13	PC2	⊙P57	PA8
⊙P14	PC3	⊙P58	STM32-TXD1_PA9
⊙P15	VREF-	⊙P59	STM32-RXD1_PA10
⊙P16	VREF+	⊙P60	PA11
⊙P17	PA0	⊙P61	PA12
⊙P18	PA1	⊙P62	SYS_JTMS-SWDIO
⊙P19	PA2	⊙P63	NC_T3
⊙P20	PA3	⊙P64	SYS_JTCK-SWCLK
⊙P21	PA4	⊙P65	PA15
⊙P22	PA5	⊙P66	PC10_TX
⊙P23	PA6	⊙P67	PC11_RX
⊙P24	PA7	⊙P68	PC12
⊙P25	PC4	⊙P69	PD0
⊙P26	PC5	⊙P70	PD1
⊙P27	PB0	⊙P71	PD2
⊙P28	PB1_M1A-	⊙P72	PD3
⊙P29	PB2_M1B-	⊙P73	PD4
⊙P30	PET_M1A-	⊙P74	PD5
⊙P31	PB8_M1B-	⊙P75	PD6
⊙P32	PE9_M0A-	⊙P76	PD7
⊙P33	PE10_M0B+	⊙P77	PB3
⊙P34	PE11_M0A-	⊙P78	PB4
⊙P35	PE12_M0B-	⊙P79	PB5_ADDIO2_EN
⊙P36	PE13	⊙P80	PB6
⊙P37	PE14	⊙P81	PB7
⊙P38	PE15	⊙P82	BOOT0
⊙P39	STM32-TXD3-A_PB10	⊙P83	PB8
⊙P40	STM32-RXD3-A_PB11	⊙P84	PB9
⊙P41	PB12	⊙P85	PE0
⊙P42	PB13	⊙P86	PE1
⊙P43	PB14	⊙P87	GND
⊙P44	PB15	⊙P88	3.3VA

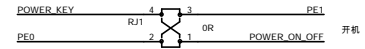
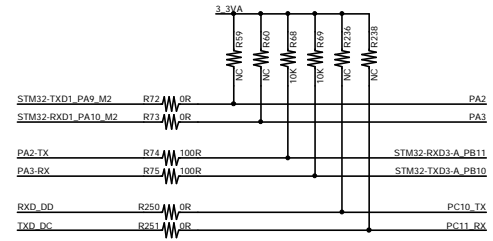
气温水温压力传感器



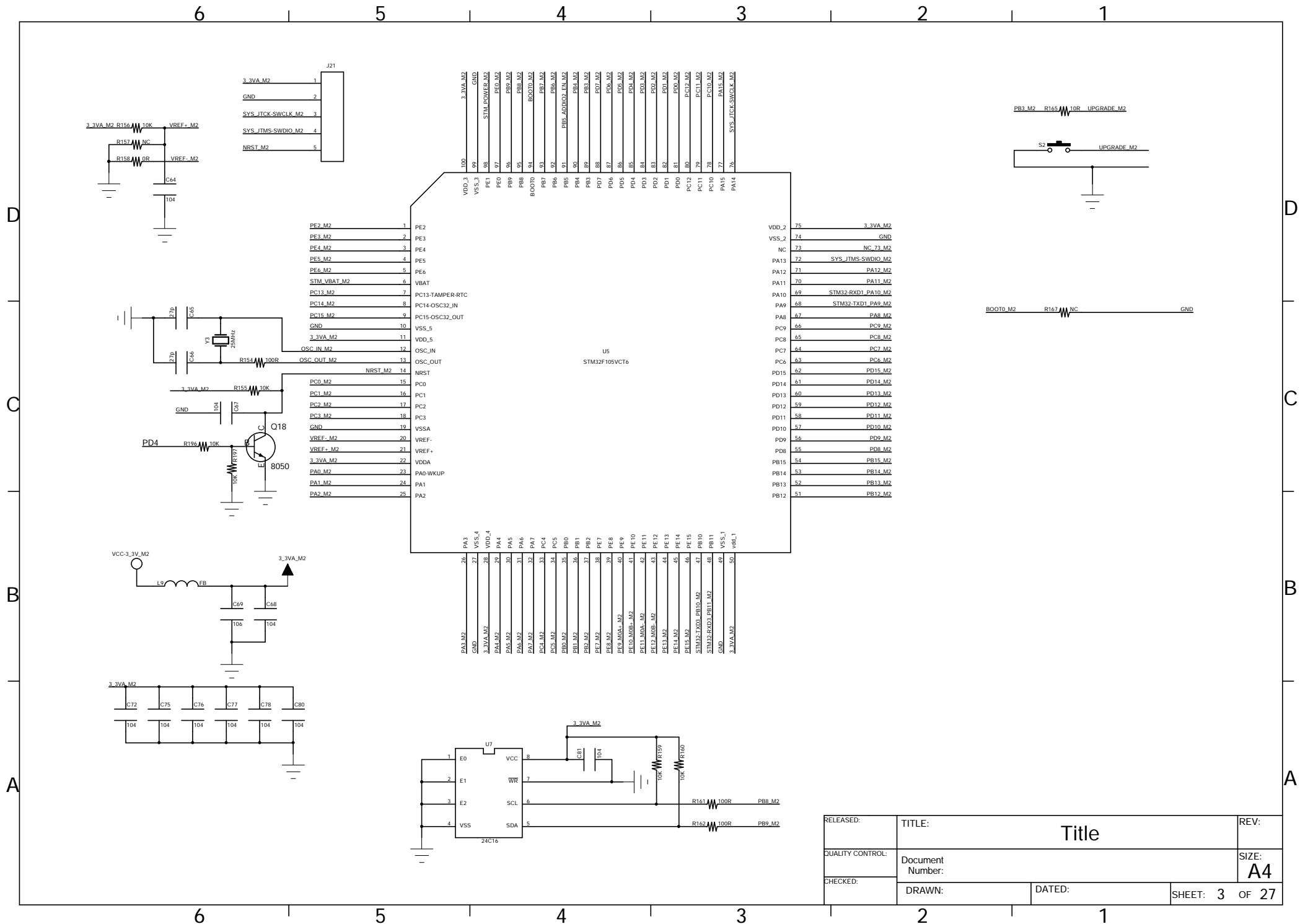
串口

接翻身模块

脉搏模块



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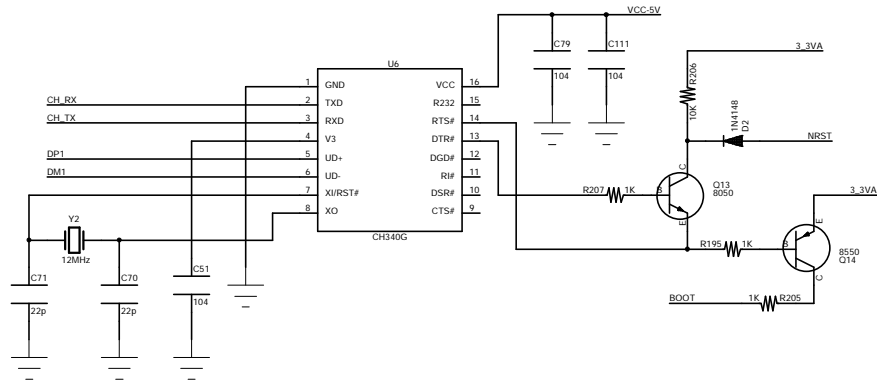
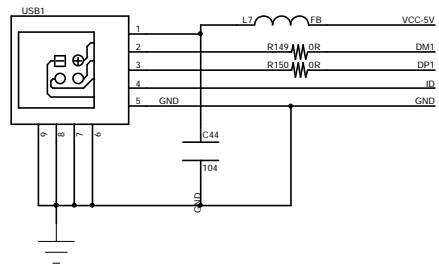
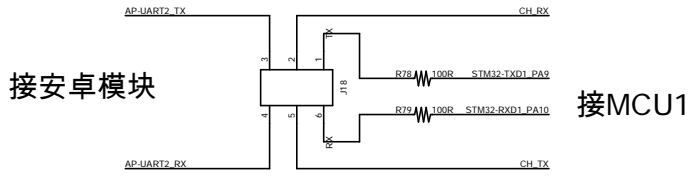


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Figure 1: Schematic diagram of the sensor connection. The diagram shows a 5V power supply connected to a network of resistors (R169, R170, R171, R172) and sensors. PA5_M2 is connected to R169 (100K) and R171 (100K). PA5_M2 is also connected to R177 (100R) and R179 (100R). PB7 is connected to R170 (100K) and R178 (100R). PC3_M2 is connected to R179 (100R) and R180 (100R). PC1_M2 is connected to R172 (100K) and R180 (100R). The sensors are: PA5_M2 (水温检测1), PB7 (气温检测1), PC3_M2 (压力传感器1), and PC1_M2 (压力传感器2).

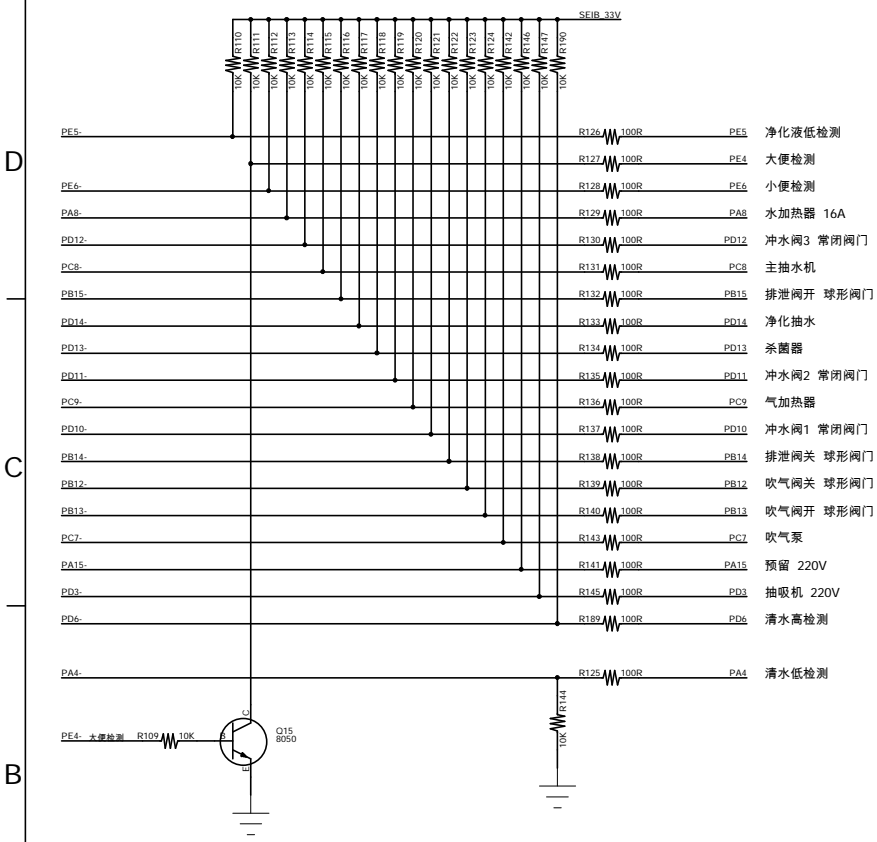
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P002	PE3_M2	P136	P09_M2
P003	PE4_M2	P137	P010_M2
P004	PE5_M2	P138	P011_M2
P005	PE6_M2	P139	P012_M2
P006	STM_VBAT_M2	P140	P013_M2
P007	PC13_M2	P141	P014_M2
P008	PC14_M2	P142	P015_M2
P009	PC15_M2	P143	PC6_M2
P100	NBST_M2	P144	PC7_M2
P101	PC0_M2	P145	PC8_M2
P102	PC1_M2	P146	PC9_M2
P103	PC2_M2	P147	PA8_M2
P104	PC3_M2	P148STM32-TXD1	PA9_M2
P105	VREF_M2	P148STM32-RXD1	PA10_M2
P106	VREF_M1	P150	PA11_M2
P107	PA0_M2	P151	PA12_M2
P108	PA1_M2	P155SYS_ITMS	SWDIO_M2
P109	PA2_M2	P153	NC_73_M2
P110	PA3_M2	P155SYS_ITCK	SWCLK_M2
P111	PA4_M2	P155	PA15_M2
P112	PA5_M2	P156	PC10_M2
P113	PA6_M2	P157	PC11_M2
P114	PA7_M2	P158	PC12_M2
P115	PC4_M2	P159	P00_M2
P116	PC5_M2	P160	P01_M2
P117	PB0_M2	P161	P02_M2
P118	PB1_M2	P162	P03_M2
P119	PB2_M2	P163	P04_M2
P120	PE7_M2	P164	P05_M2
P121	PE8_M2	P165	P06_M2
P122	PE9_M0A+_M2	P166	P07_M2
P123	PE10_M0B+_M2	P167	PB3_M2
P124	PE11_M0A+_M2	P168	PB4_M2
P125	PE12_M0B+_M2	P169PBS_ADDIO2	EN_M2
P126	PE13_M2	P170	PB6_M2
P127	PE14_M2	P171	PB7_M2
P128	PE15_M2	P172	BOOT0_M2
P129STM32-TXD3	PB10_M2	P173	PB8_M2
P130STM32-RXD3	PB11_M2	P174	PB9_M2
P131	PB12_M2	P175	PE0_M2
P132	PB13_M2	P176	STM_POWER_M2
P133	PB14_M2	P177	GND
P134	PB15_M2	P178	3_VA_M2

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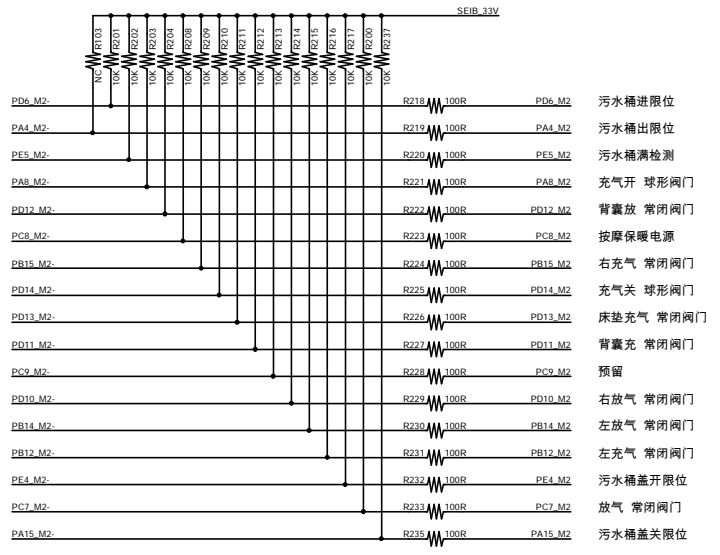


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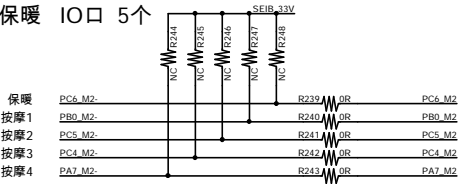
控制输出继电器



控制输出继电器



按摩保暖 IO口 5个



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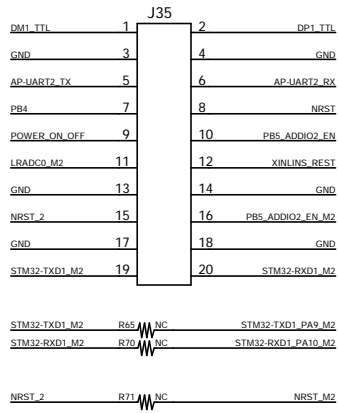
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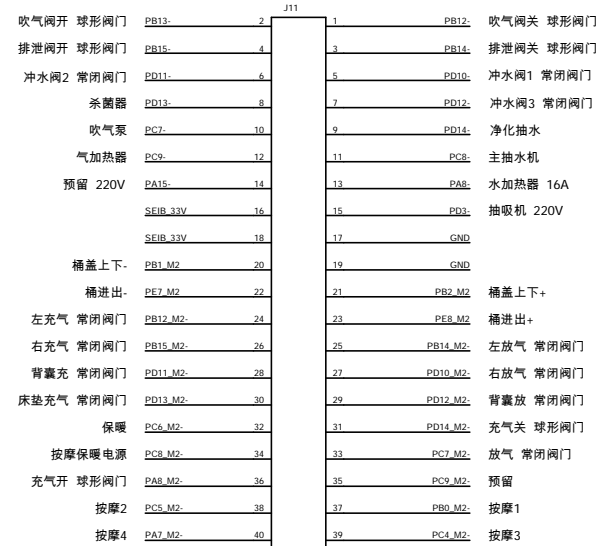
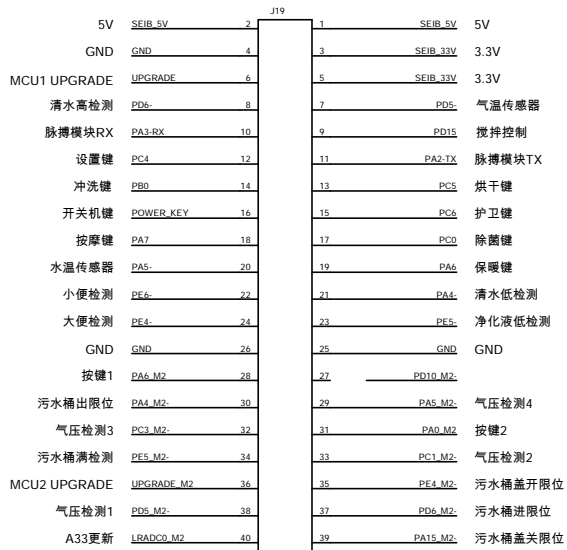
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TO A33



TO Transfer middleware

TO INTERFACE



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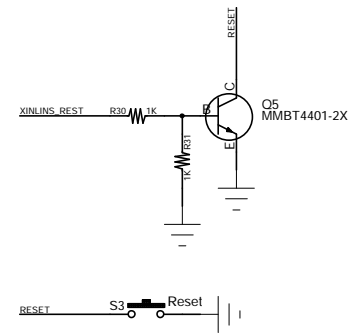
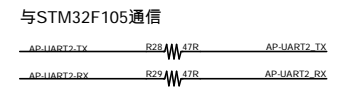
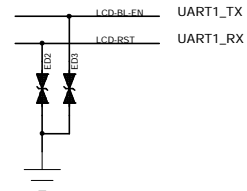
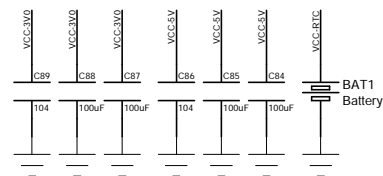
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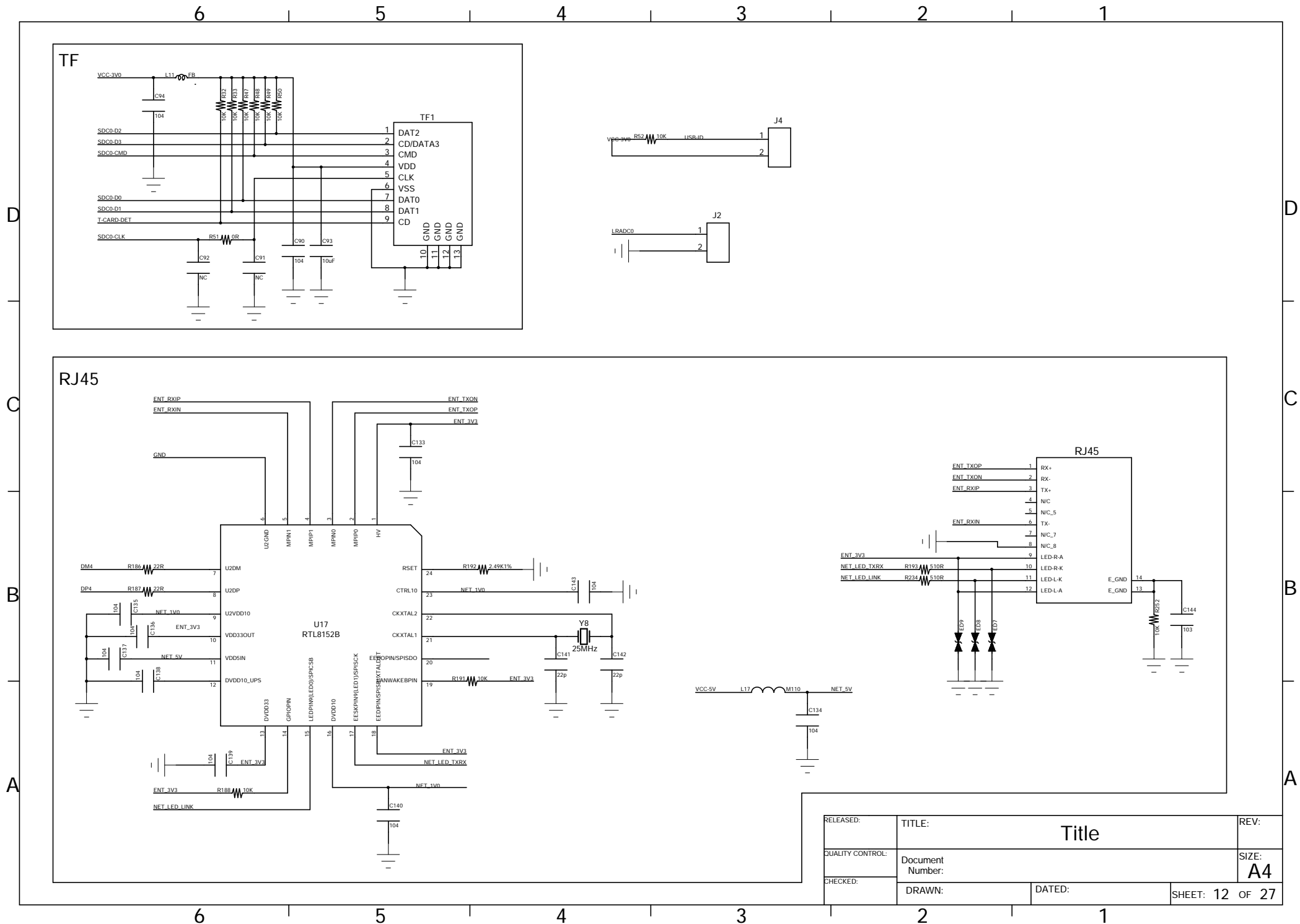
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GND	81
LCD-D15	82
LCD-D14	83
LCD-D13	84
LCD-D12	85
LCD-D11	86
LCD-D10	87
LCD-D23	88
LCD-D22	89
LCD-D21	90
LCD-D20	91
LCD-D19	92
LCD-D18	93
LCD-D7	94
LCD-D6	95
LCD-D5	96
LCD-D4	97
LCD-D3	98
LCD-D2	99
BT-WAKE-AP	100
BT-RST-N	101
BB-RST	102
BB-PWR-BAT	103
LRADC0	104
WL-RST-N	105
BT-WAKE-BT	106
WL-WAKE-AP	107
WL-PMU-EN	108
BB-PWREN	109
BB-WAKE-AP	110
GND	111

LCD-DE	79	LCD-DE	79
LCD-HSYNC	78	LCD-HSYNC	78
LCD-VSYNC	77	LCD-VSYNC	77
GND	76	GND	76
DSI-D3N	75	DSI-D3N	75
DSI-D3P	74	DSI-D3P	74
DSI-D2N	73	DSI-D2N	73
DSI-D2P	72	DSI-D2P	72
DSI-D1N	71	DSI-D1N	71
DSI-D1P	70	DSI-D1P	70
DSI-CKN	69	DSI-CKN	69
DSI-CKP	68	DSI-CKP	68
DSI-D0N	67	DSI-D0N	67
DSI-D0P	66	DSI-D0P	66
GND	65	GND	65
CSI-SCK	64	CSI-SCK	64
CSI-SDA	63	CSI-SDA	63
CSI-SDA	62	CSI-SDA	62
CSI-D7	61	CSI-D7	61
CSI-D6	60	CSI-D6	60
CSI-D5	59	CSI-D5	59
CSI-D2	58	CSI-D2	58
CSI-D3	57	CSI-D3	57
CSI-D0	56	CSI-D0	56
CSI-D1	55	CSI-D1	55
CSI-RST-R	54	CSI-RST-R	54
CSI-STBY-R	53	CSI-STBY-R	53
CSI-RST-F	52	CSI-RST-F	52
CSI-STBY-F	51	CSI-STBY-F	51
CSI-PCLK	50	CSI-PCLK	50
GND	49	GND	49
CSIMCLK	48	CSIMCLK	48
CSI-HSYNC	47	CSI-HSYNC	47
CSI-VSYNC	46	CSI-VSYNC	46
CSI-SVS	45	CSI-SVS	45
AVDD-CSI	44	AVDD-CSI	44
VCC-3V0	43	VCC-3V0	43
VCC-3V0	42	VCC-3V0	42
VCC-CTP	41	VCC-CTP	41
TS	40	TS	40
VCC-MOTOR	39	VCC-MOTOR	39
VCC-WIFI	38	VCC-WIFI	38
DOVDD-CSI	37	DOVDD-CSI	37
DVDD1V8-CSI	36	DVDD1V8-CSI	36
GND	35	GND	35
GND	34	GND	34
GND	33	GND	33

GND	32	GND	32
USB-DRVVBUS	31	USB-DRVVBUS	31
POWER_ON_OFF	30	POWER_ON_OFF	30
MT-DRV-N	29	MT-DRV-N	29
PS	28	PS	28
PS	27	PS	27
VCC-3V	26	VCC-3V	26
USBVBUS	25	USBVBUS	25
VBAT-EXT	24	VBAT-EXT	24
VBAT-EXT	23	VBAT-EXT	23
VBAT	22	VBAT	22
VBAT	21	VBAT	21
GND	20	GND	20
RESET	19	RESET	19
VCC-RTC	18	VCC-RTC	18
SDC0-D	17	SDC0-D	17
SDC0-D3	16	SDC0-D3	16
GND	15	GND	15
SDC0-CLK	14	SDC0-CLK	14
SDC0-CMD	13	SDC0-CMD	13
SDC0-D1	12	SDC0-D1	12
SDC0-D0	11	SDC0-D0	11
SPI0-CS	10	SPI0-CS	10
SPI0-CLK	9	SPI0-CLK	9
SPI0-MOSI	8	SPI0-MOSI	8
SPI0-MISO	7	SPI0-MISO	7
SENSOR-SDA	6	SENSOR-SDA	6
PG13	5	PG13	5
SENSOR-SCK	4	SENSOR-SCK	4
PG12	3	PG12	3
TP-SCK	2	TP-SCK	2
TP-SDA	1	TP-SDA	1



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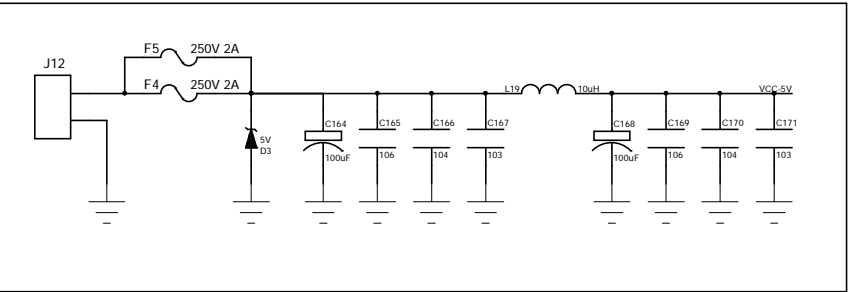
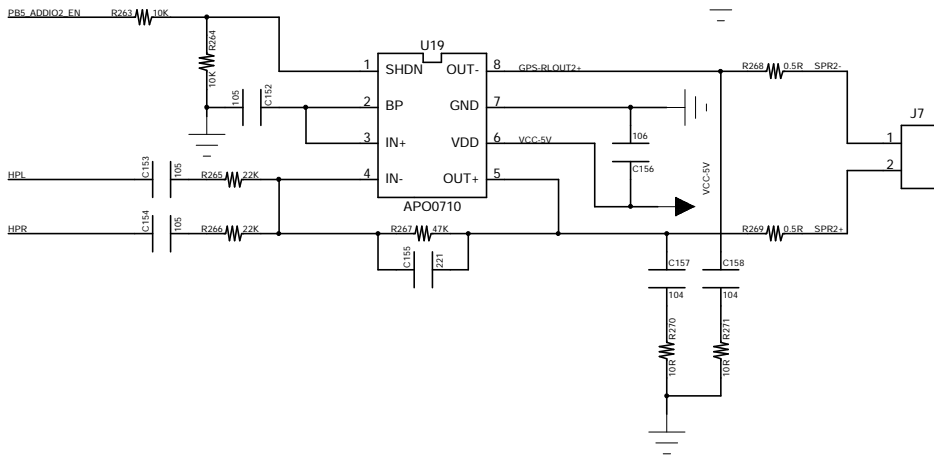
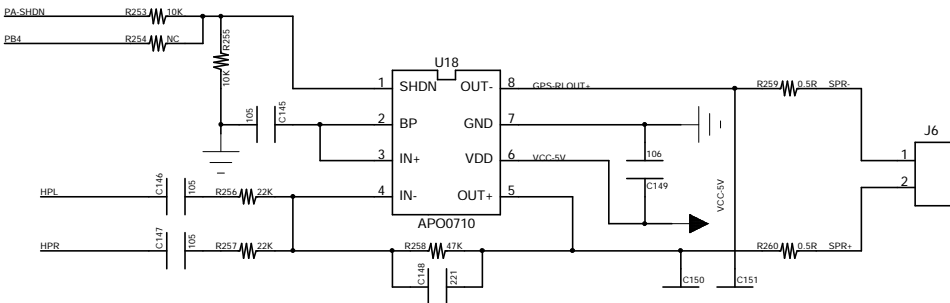
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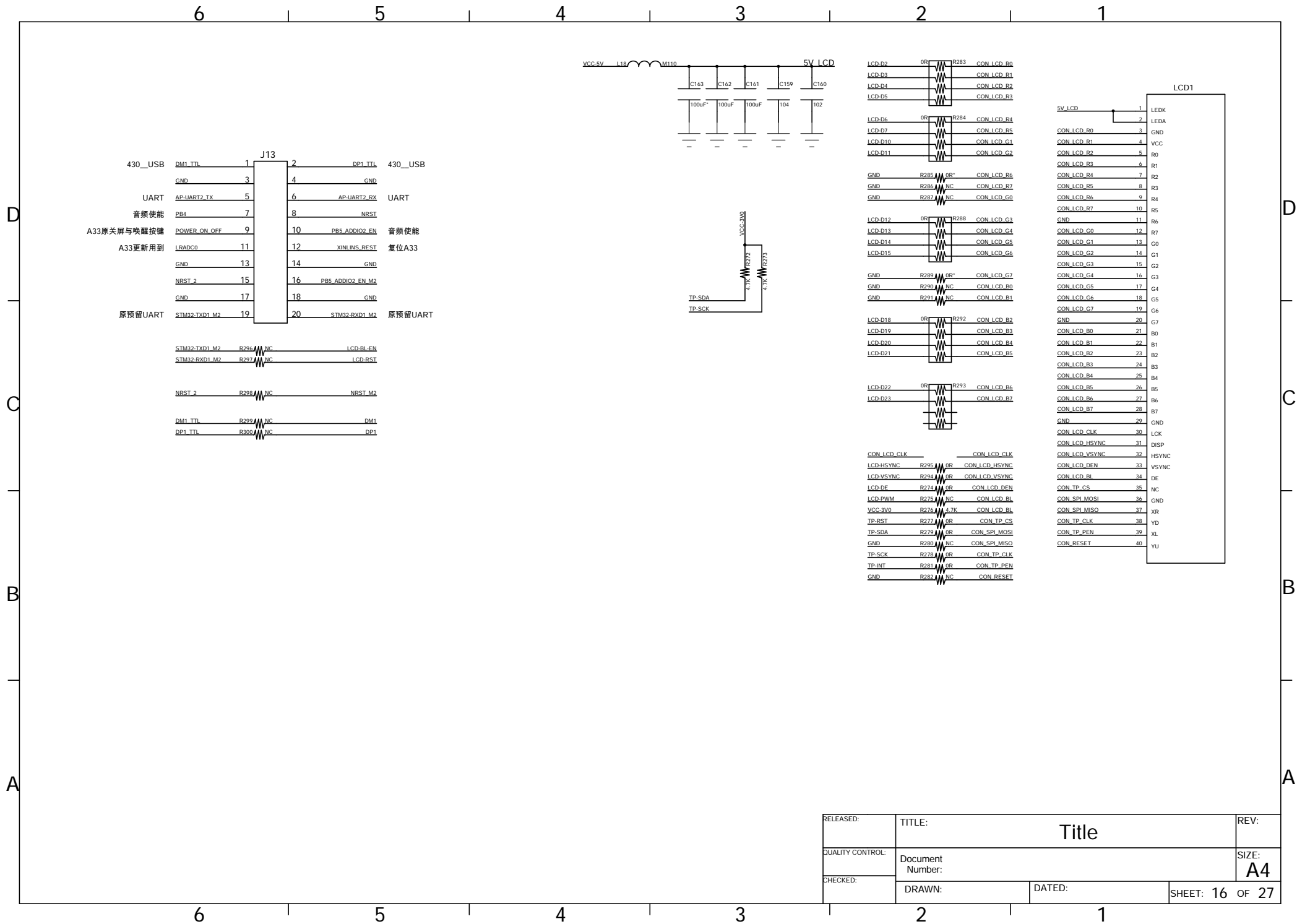
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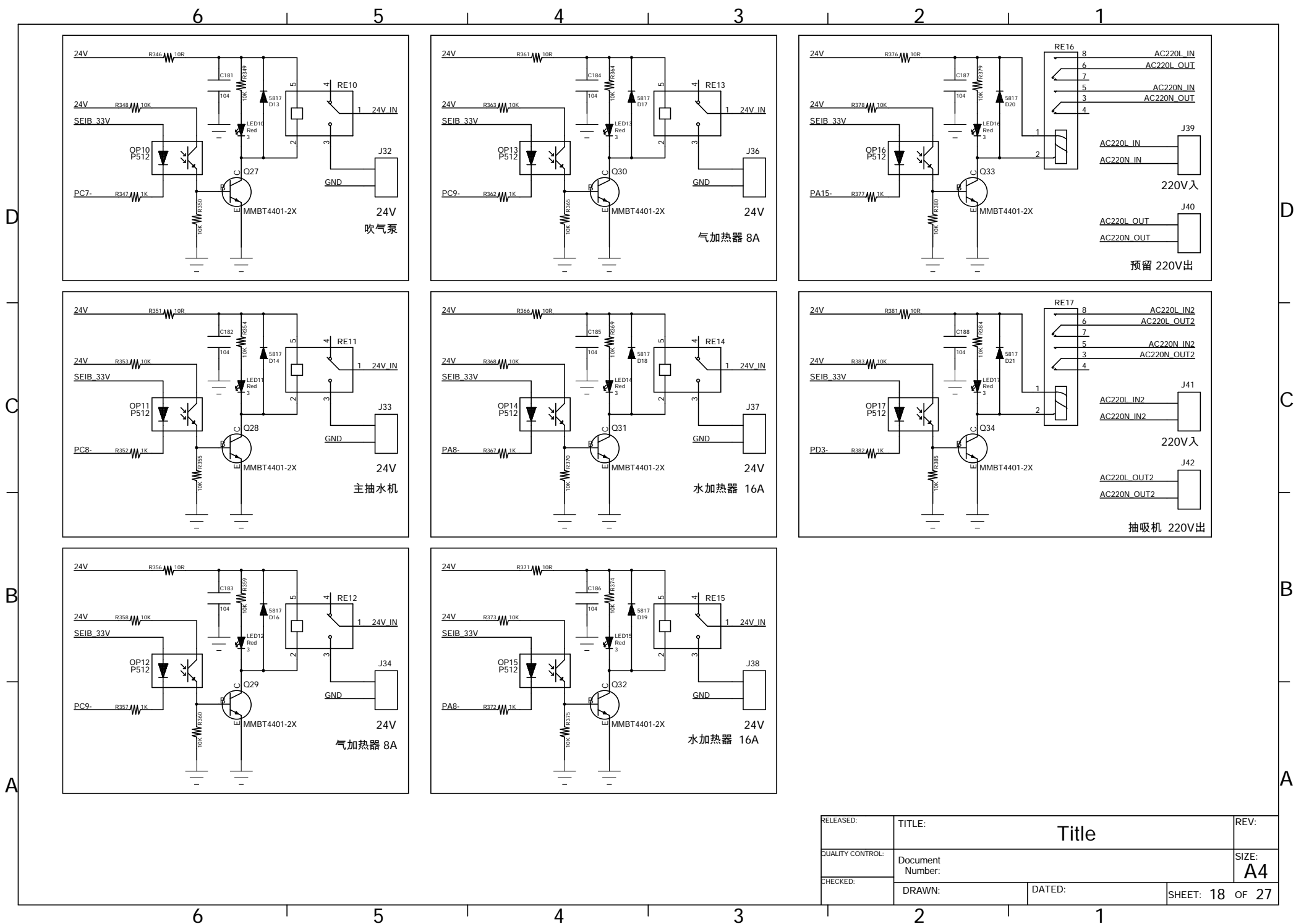
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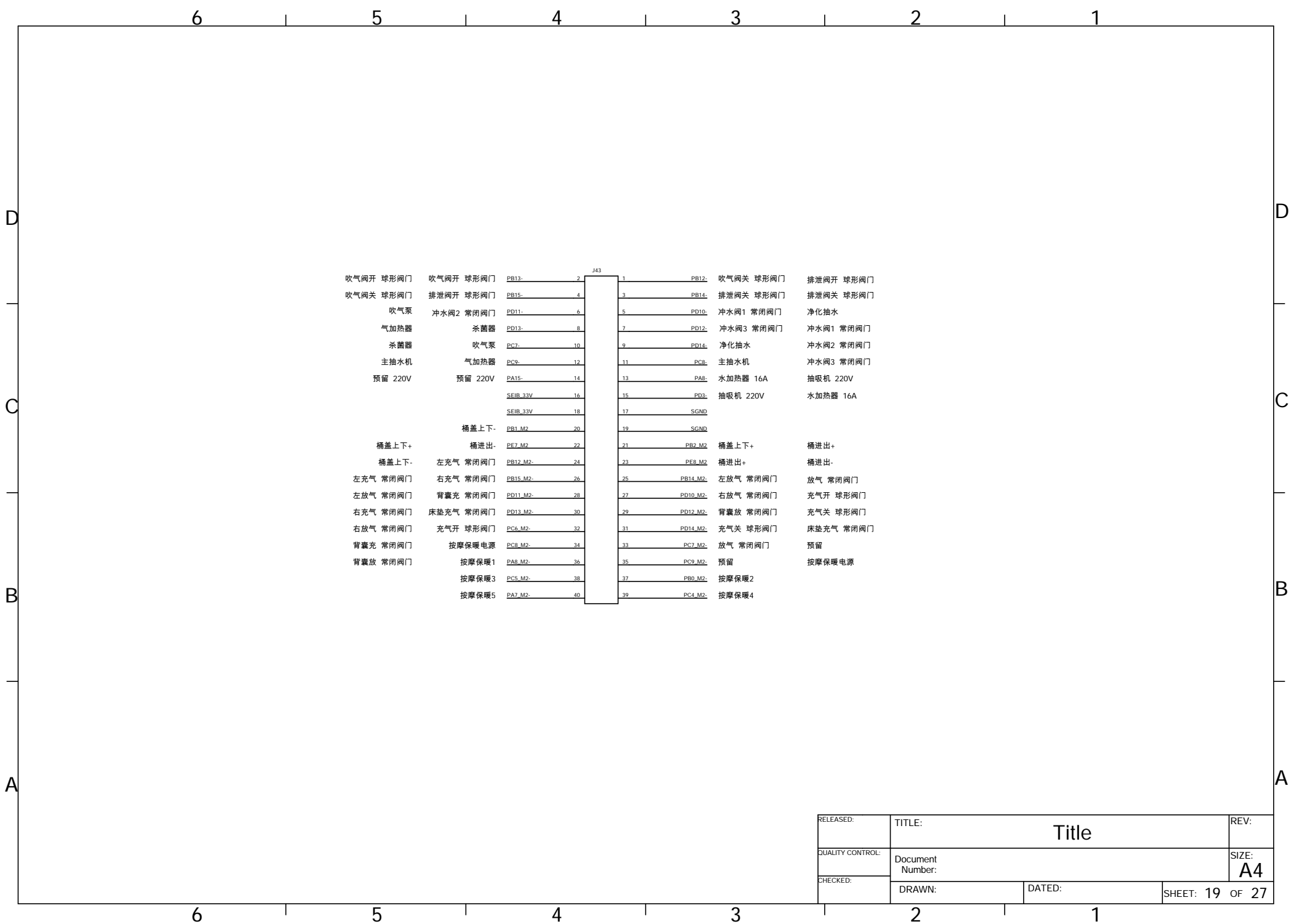
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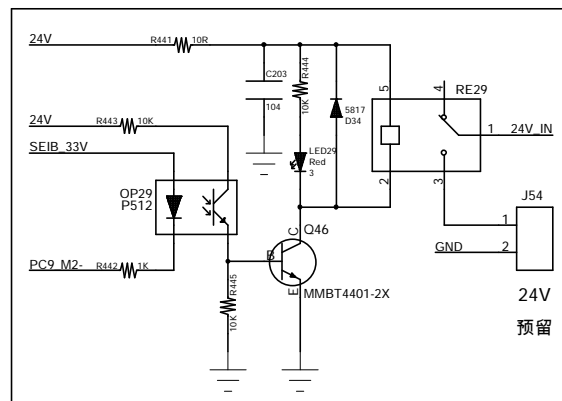
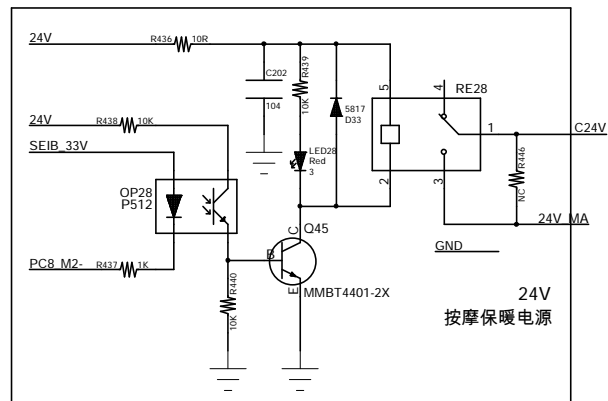
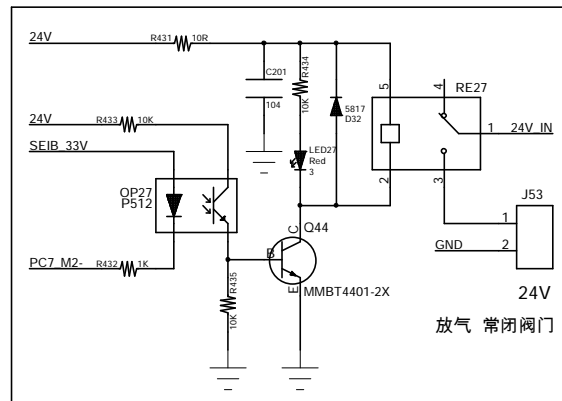


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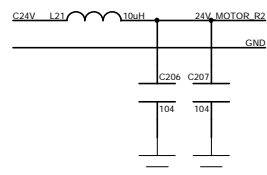
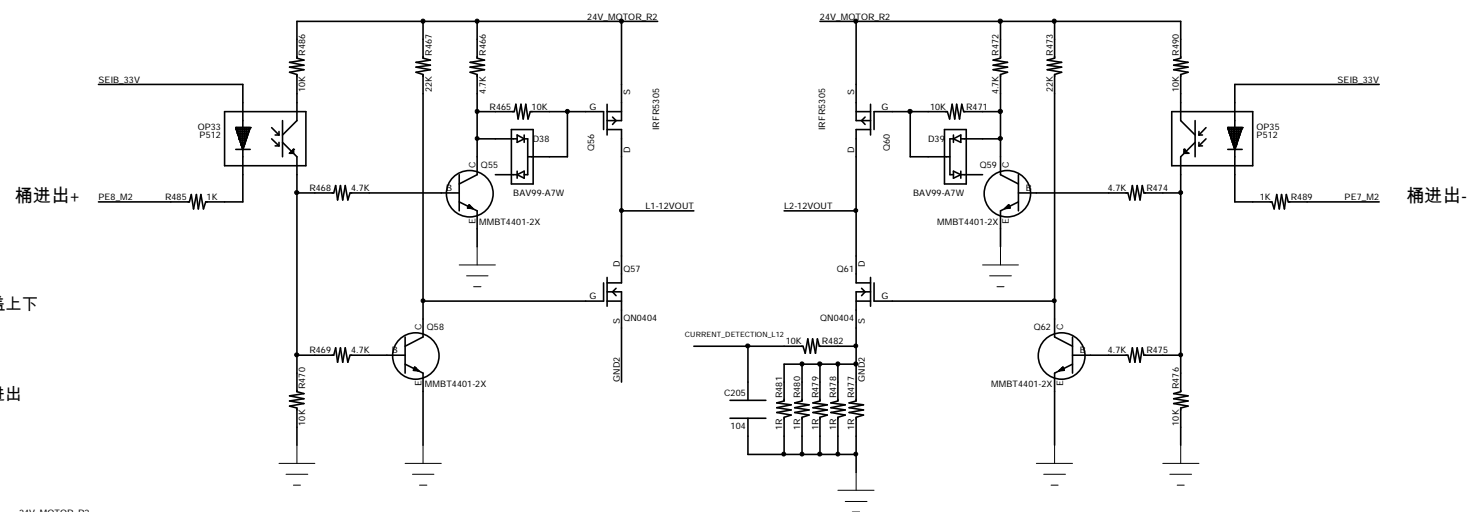
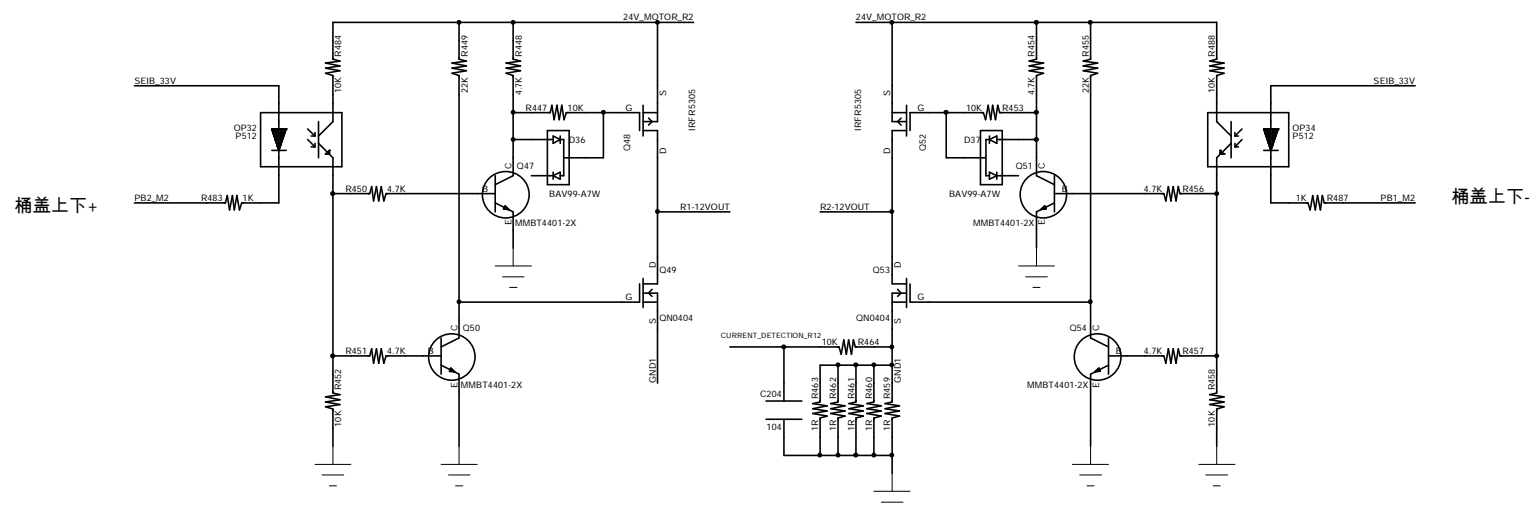




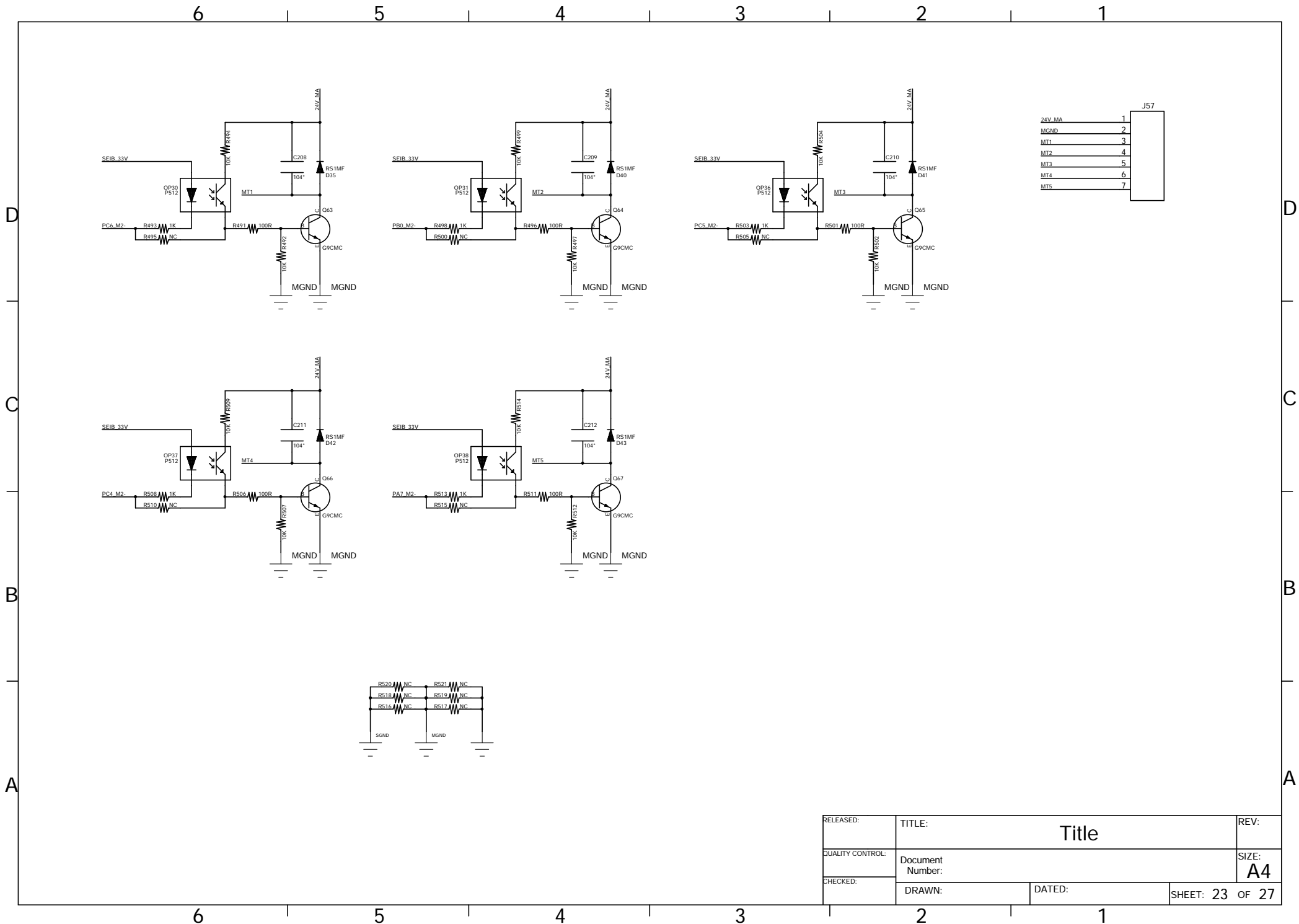


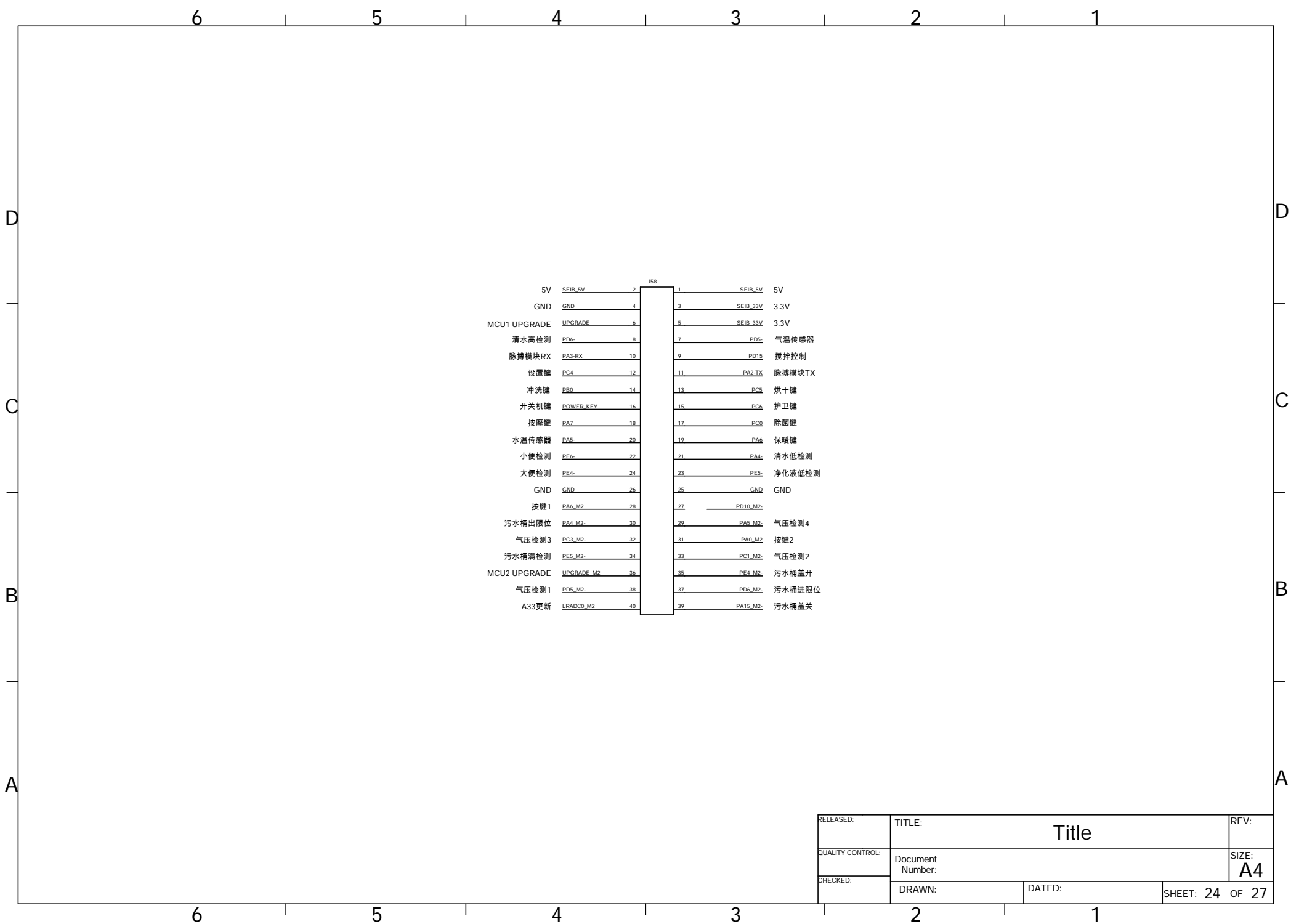
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- 1、总电流2A
- 2、单路电流不小于1.5A



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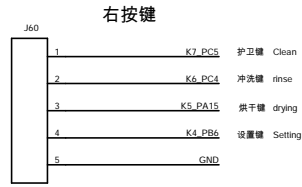
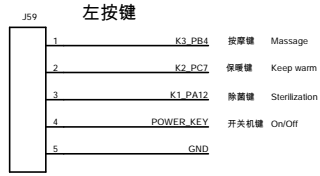


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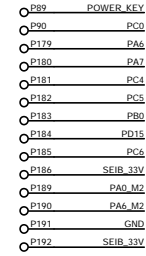
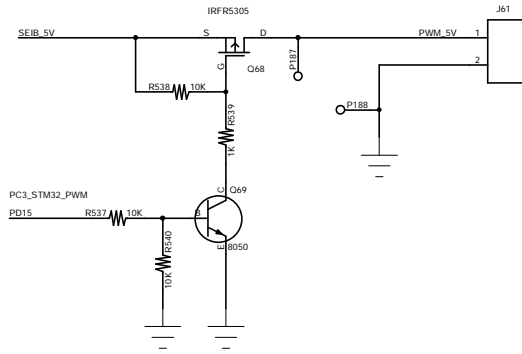
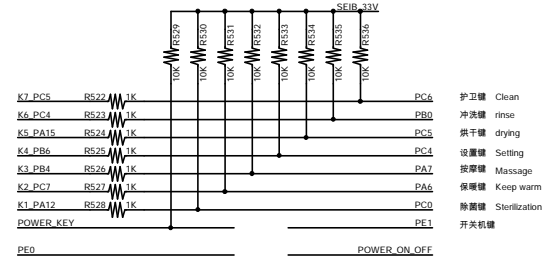
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