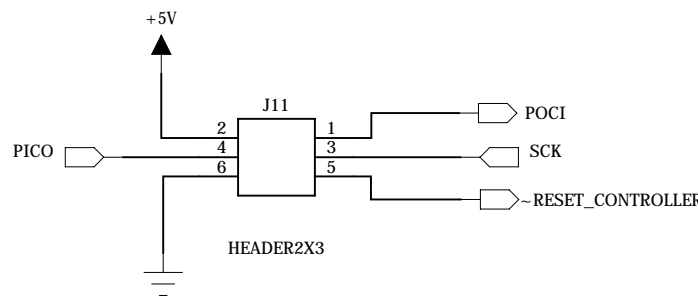
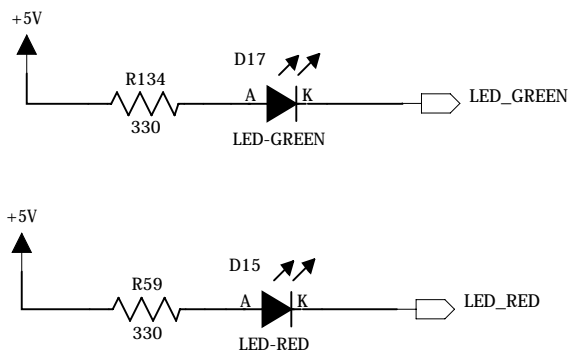


REVISION RECORD			
LTR	ECO NO.	APPROVED	DATE

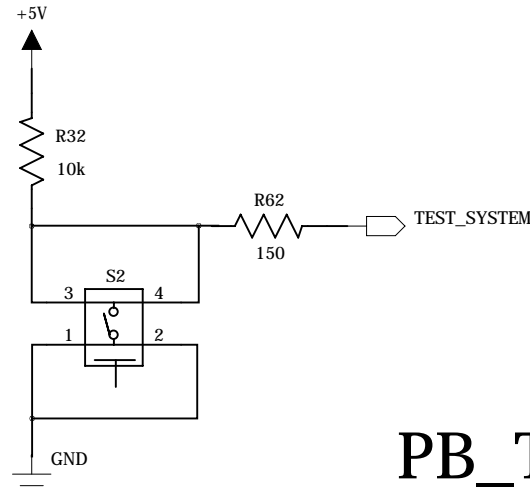
ISP_2560



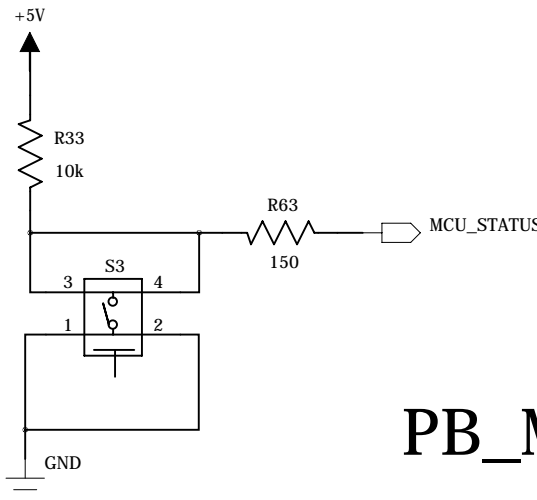
LED



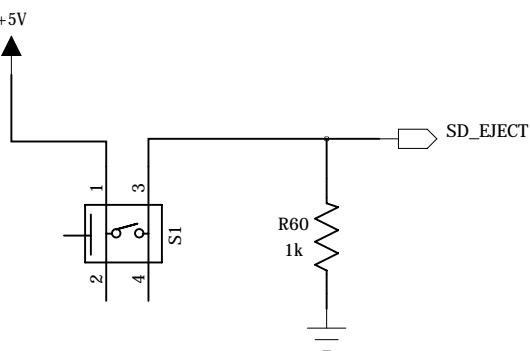
PB_TEST_SYSTEM



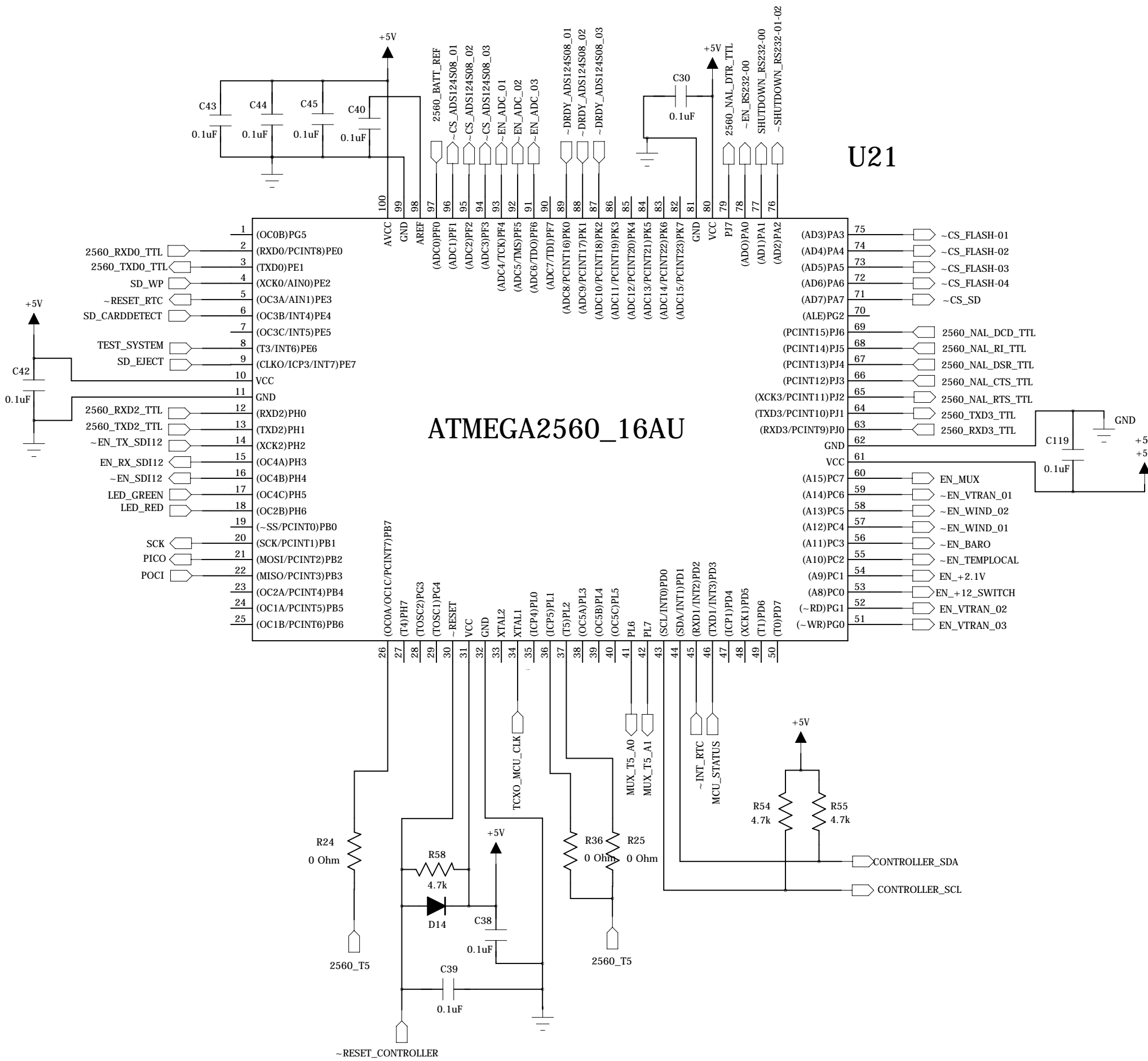
PB_MCU_STATUS



PB_SD_EJECT



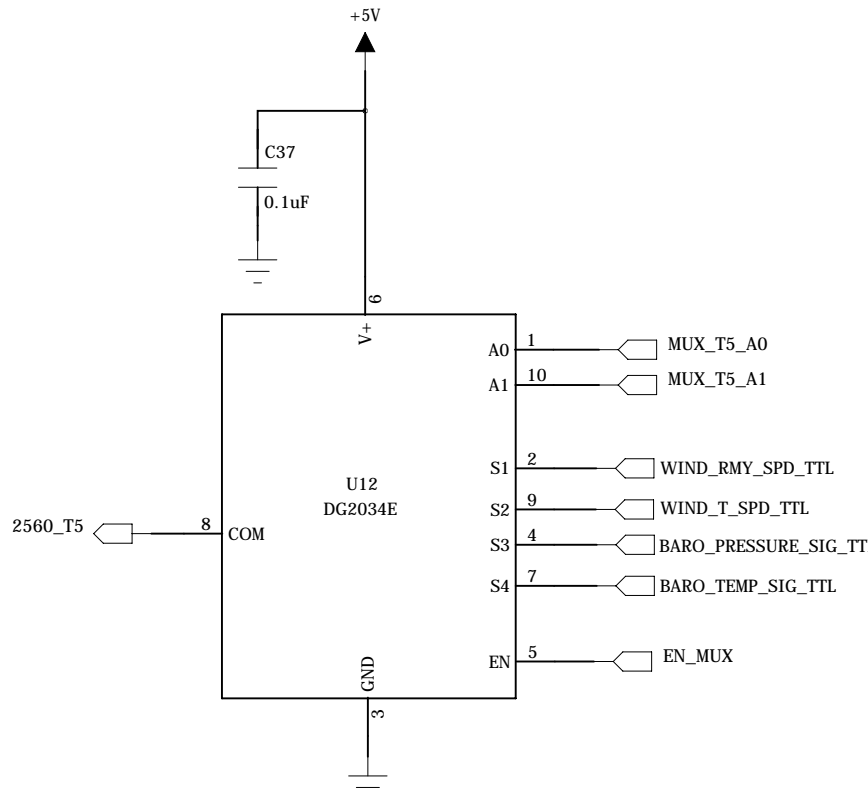
MCU_2560



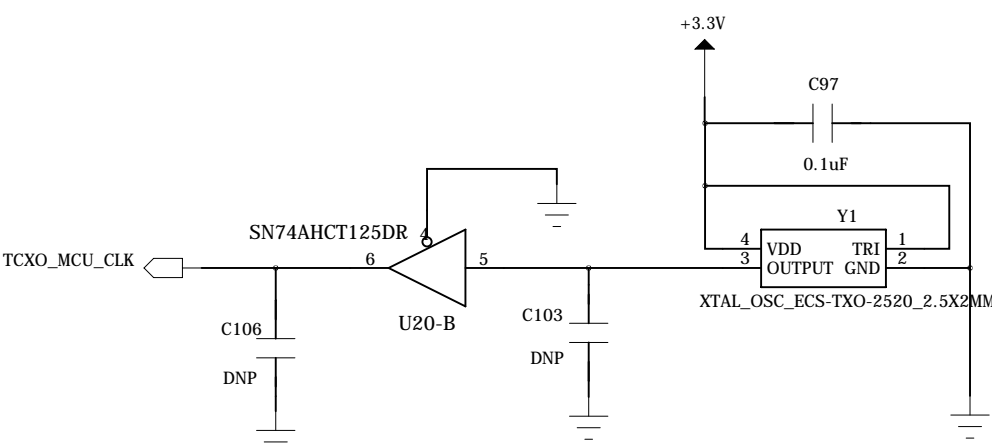
ATMEGA2560_16AU

U21

MUX_FREQ_T5



TCXO_16M



COMPANY:		MATC ELECTRONICS	
TITLE:		MATC AWS LOGGER	
CODE:	SIZE:	DRAWING NO:	REV:
-	D	2-2002	2.2
SCALE: -		SHEET: 46	9

6

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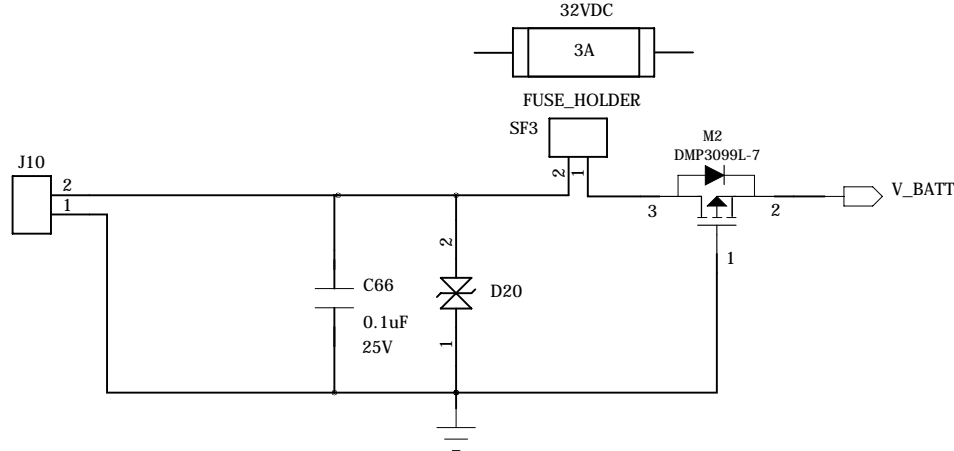
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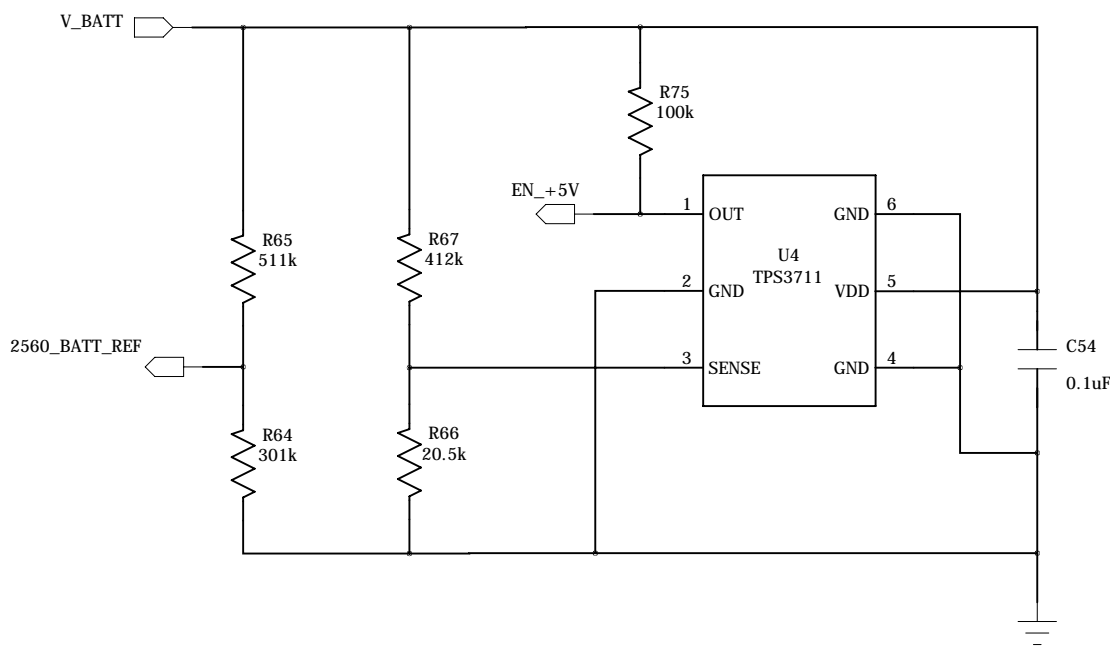
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REVISION RECORD			
LTR	ECO NO.	APPROVED:	DATE:

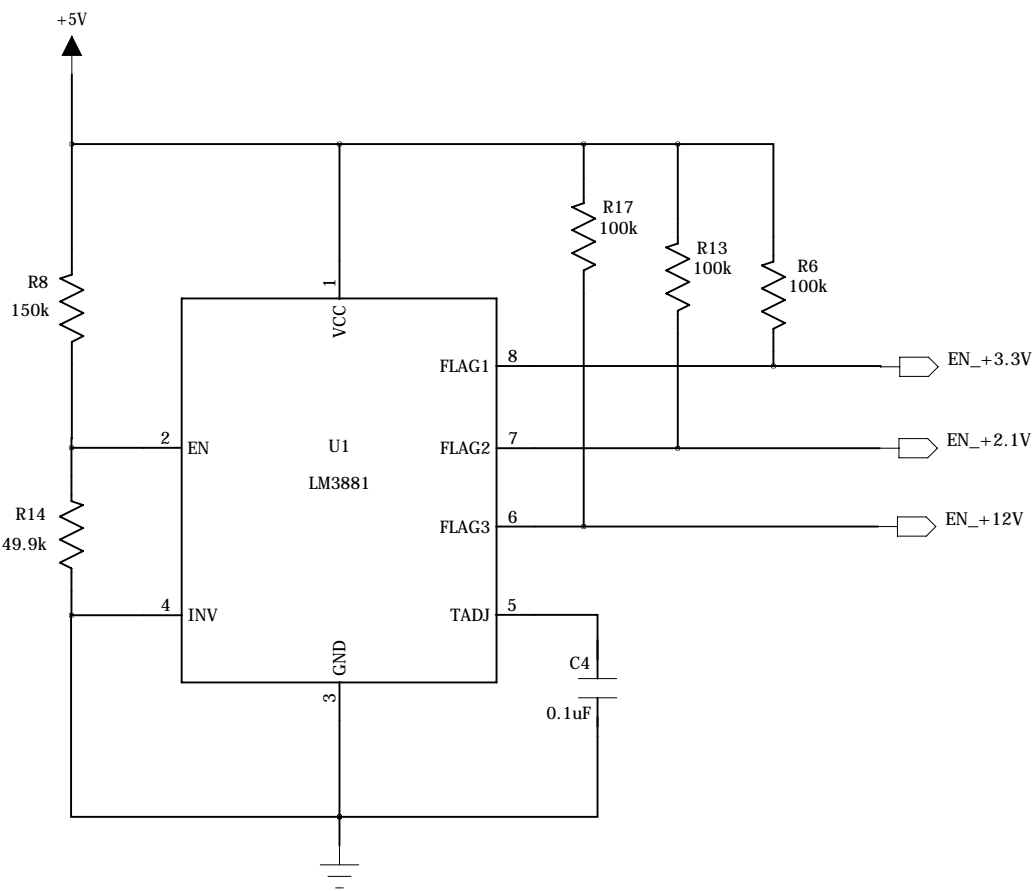
BATT_POWER



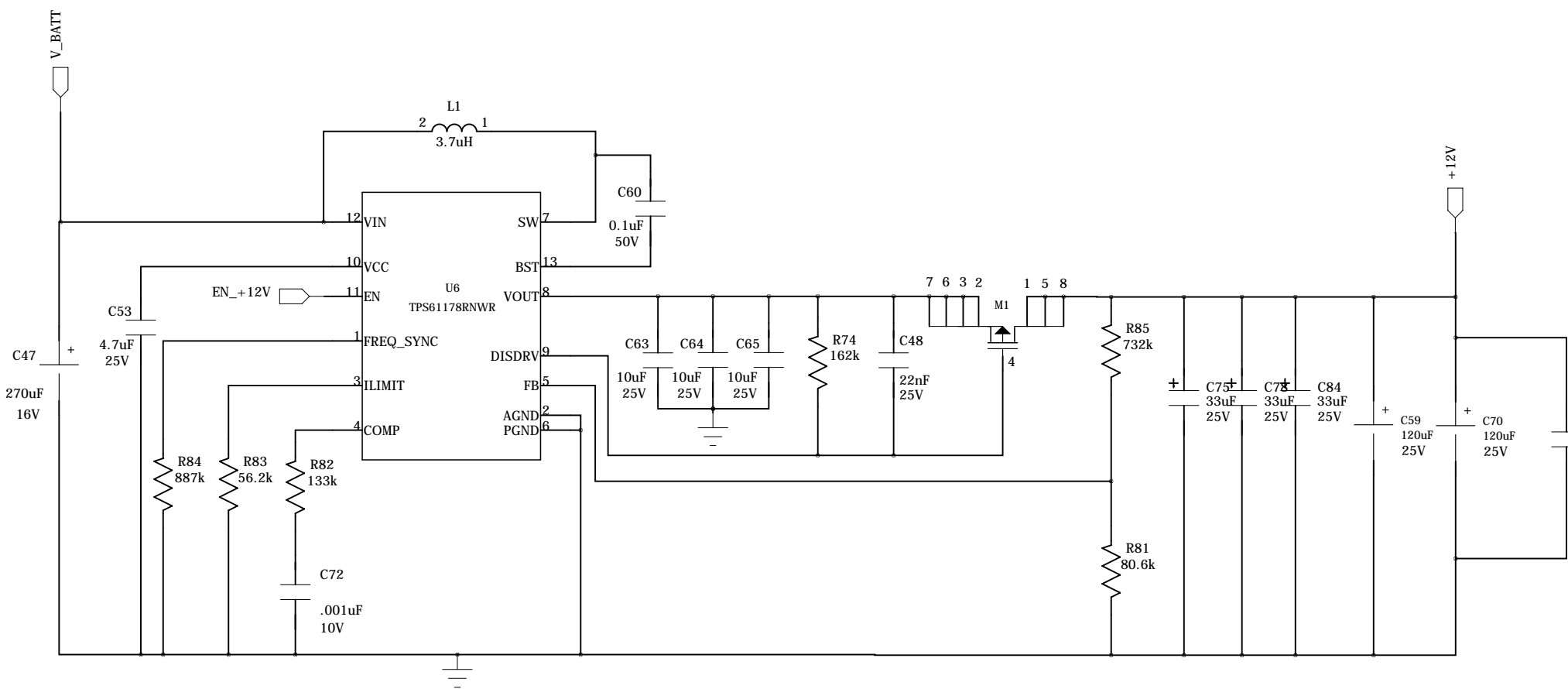
BATT_MONITOR



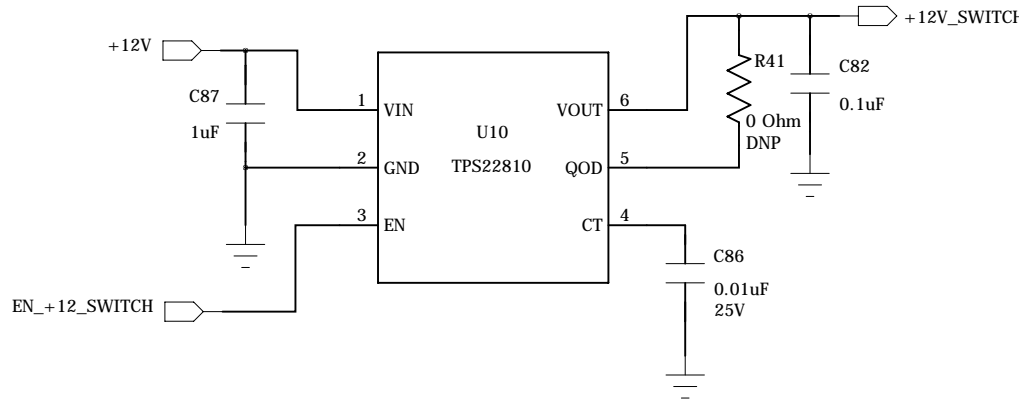
POWER_SEQUENCER



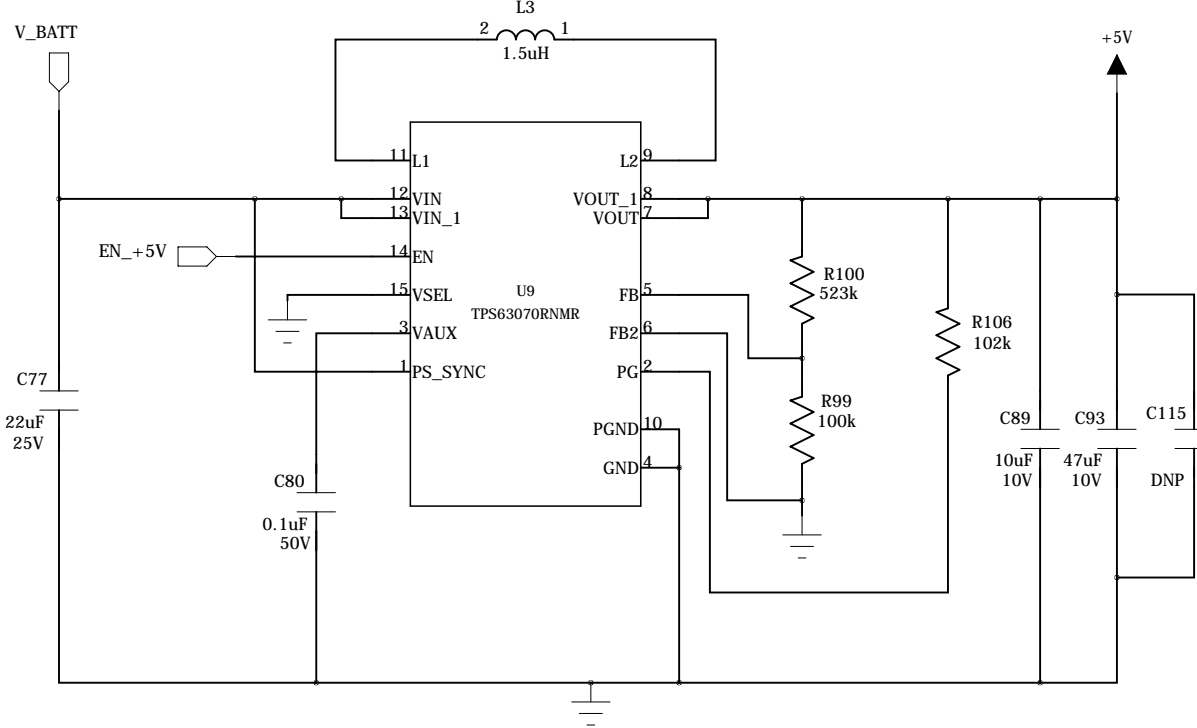
+12V_POWER



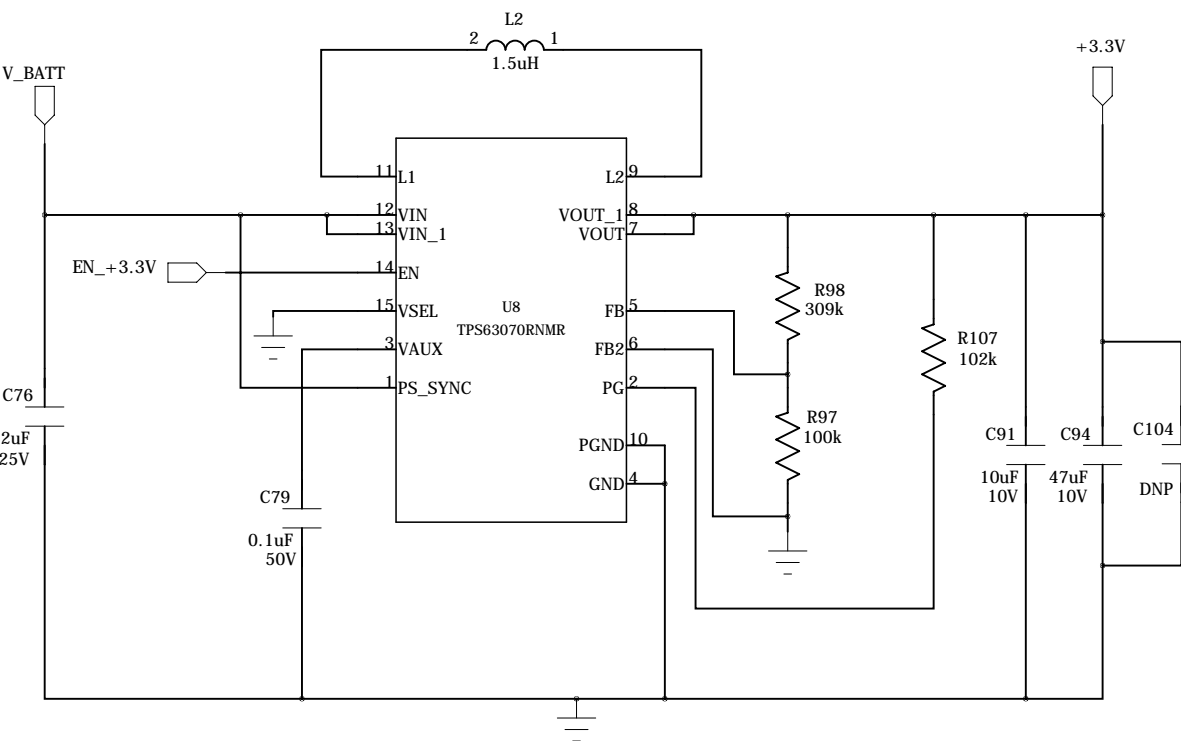
MODEM_SWITCH



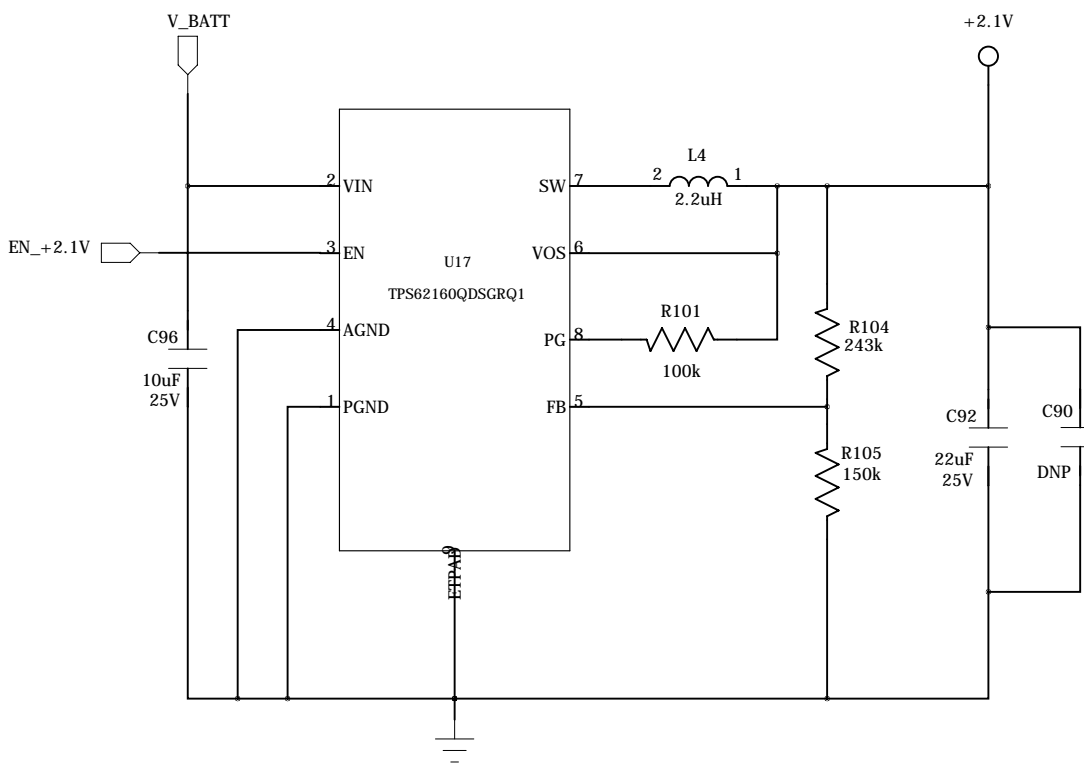
+5V_POWER



+3.3V_POWER



+2.1V_POWER

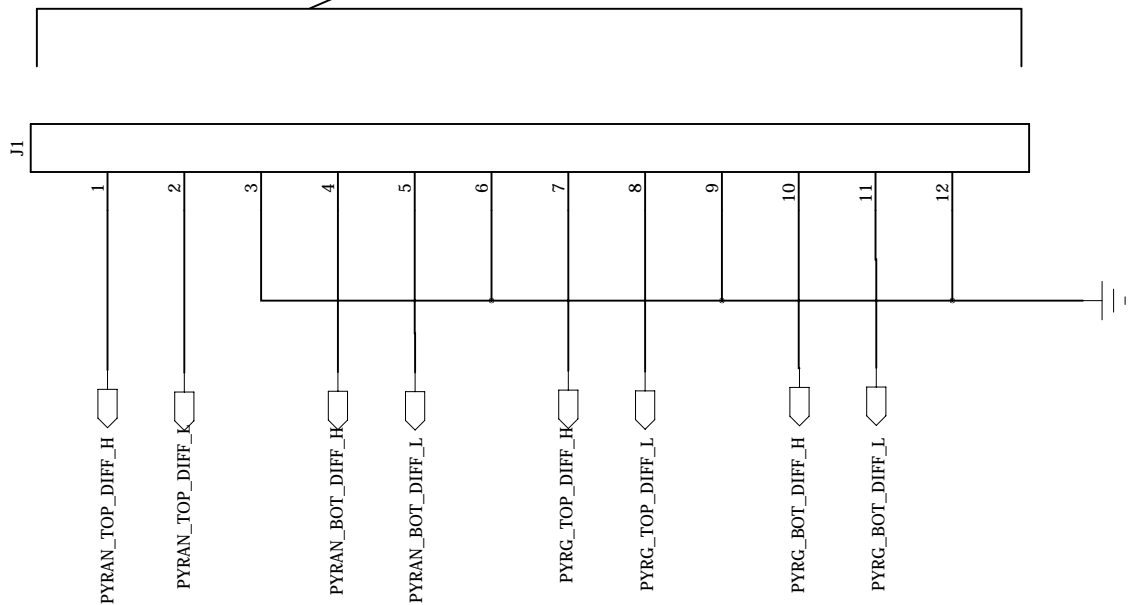


COMPANY: MATC ELECTRONICS			
TITLE: MATC AWS LOGGER			
CODE: -	SIZE: D	DRAWING NO: 2-2002	REV: 2.2
SCALE: -		SHEET: 2f 9	

DRAWN: FAF	DATED: 05/13/22
CHECKED: -	DATED: -
QUALITY CONTROL: -	DATED: -
RELEASED: -	DATED: -

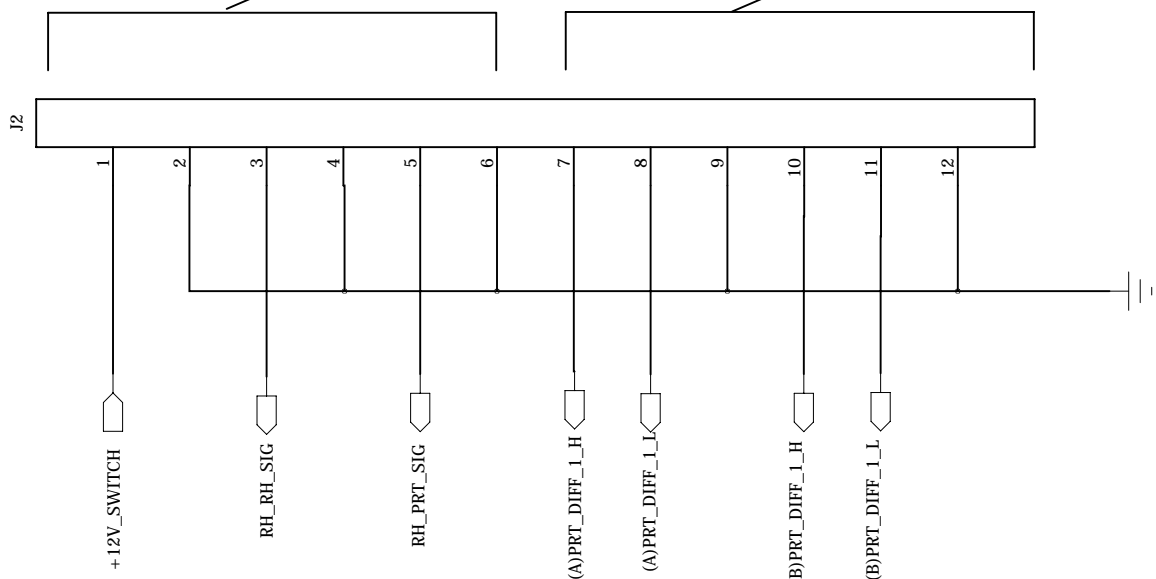
REVISION RECORD			
LTR	ECO NO.	APPROVED:	DATE:

RADIOMETER_BUS_01

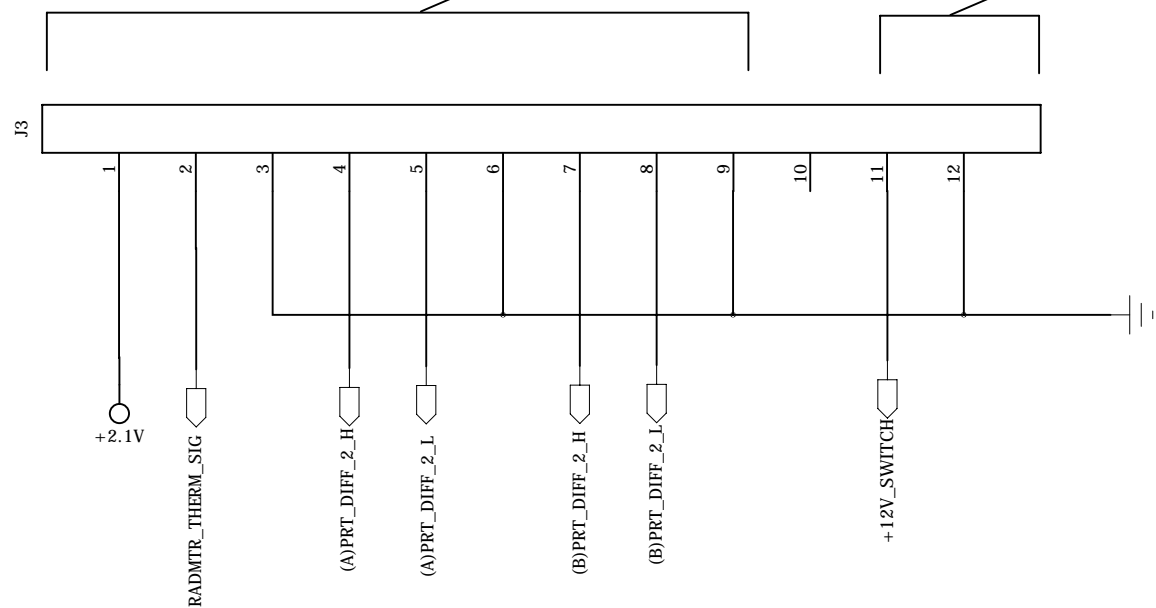


RH_BUS

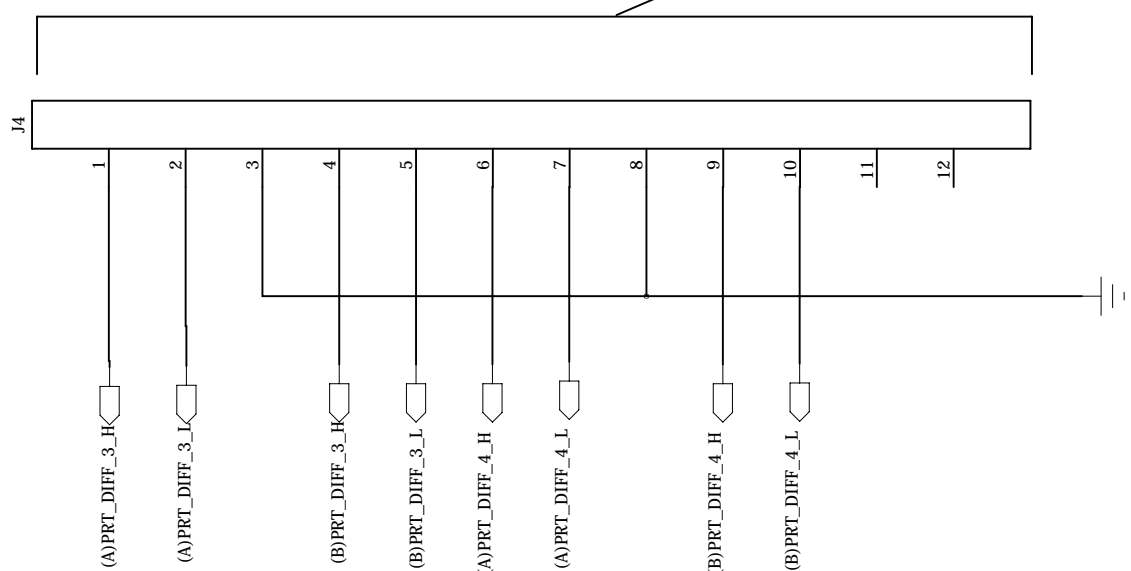
PRT_BUS_01



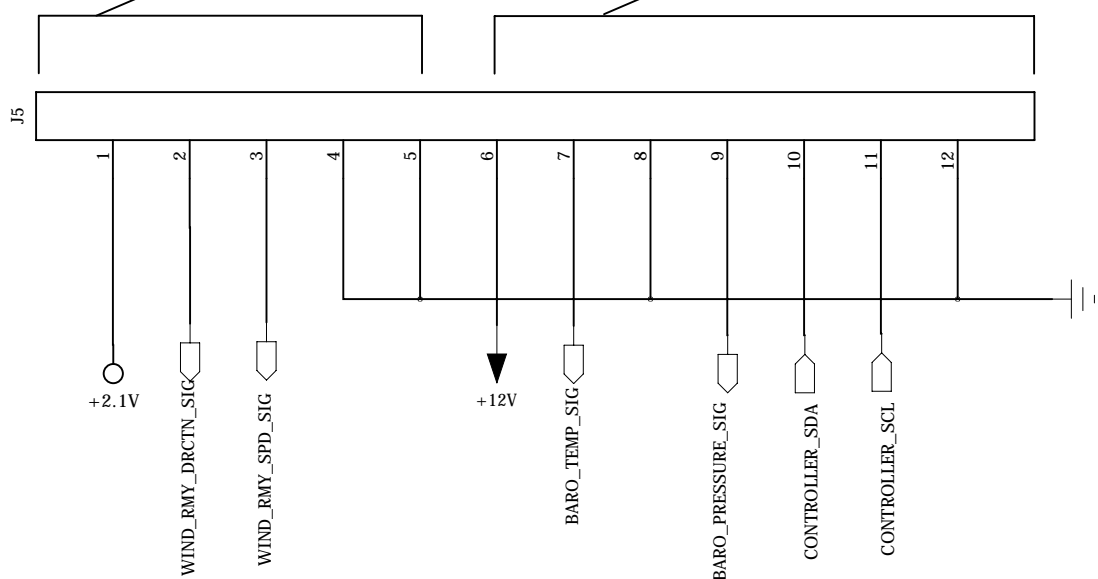
RADIOMETER_BUS_02 MODEM_POWER



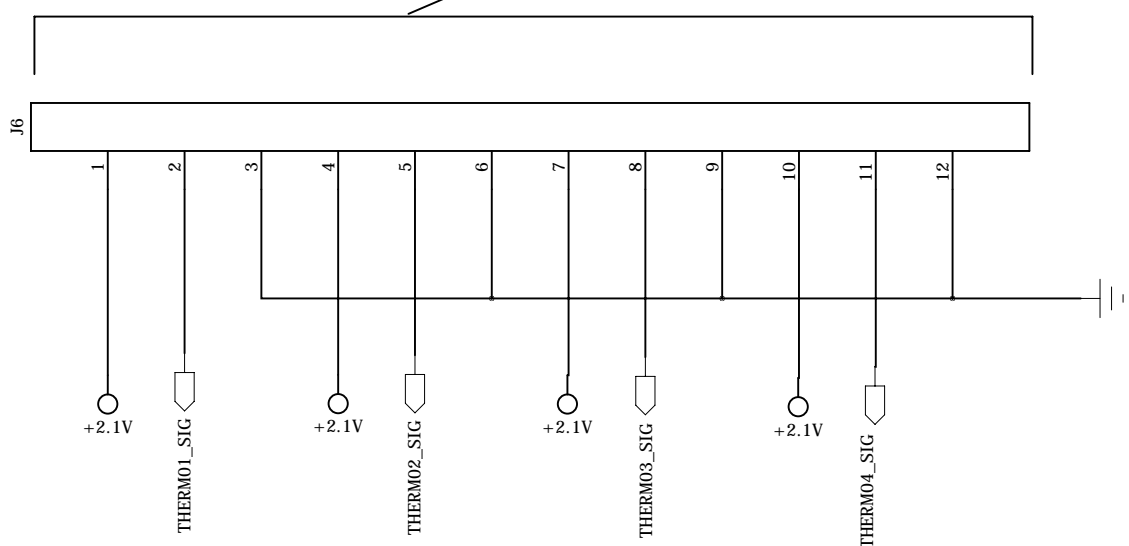
PRT_BUS_02



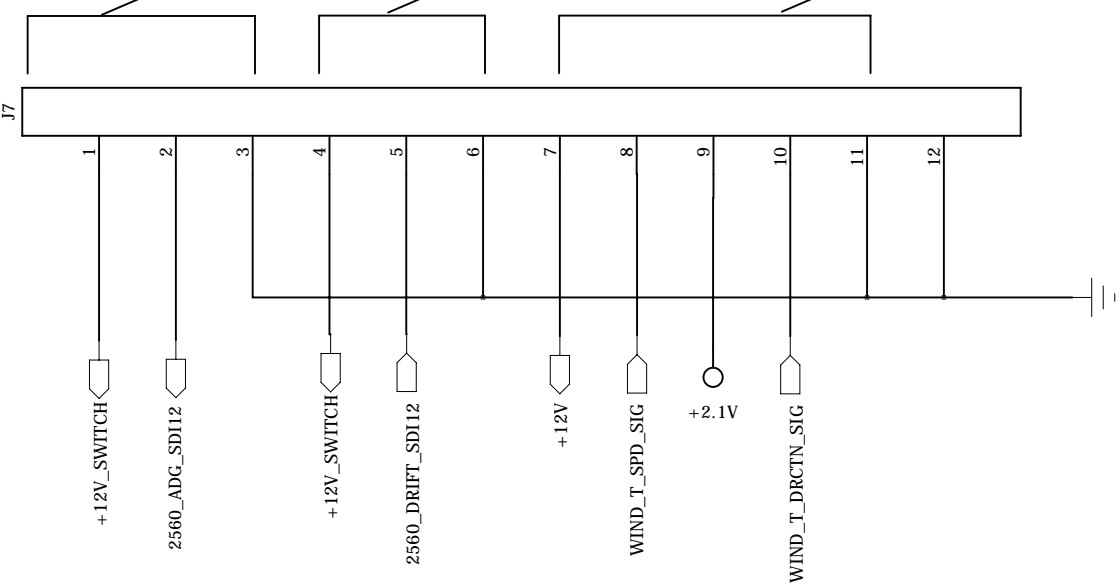
WIND_BUS_01 BAROMETER_BUS



THERMISTOR_BUS



ADG_BUS DRIFT_BUS WIND_BUS_02



DRAWN:	FAF	DATED:	05/13/22
CHECKED:	-	DATED:	-
QUALITY CONTROL:	-	DATED:	-
RELEASED:	-	DATED:	-

COMPANY: MATC ELECTRONICS			
TITLE: MATC AWS LOGGER			
CODE: -	SIZE: D	DRAWING NO: 2-2002	REV: 2.2
SCALE: -		SHEET: 3f 9	

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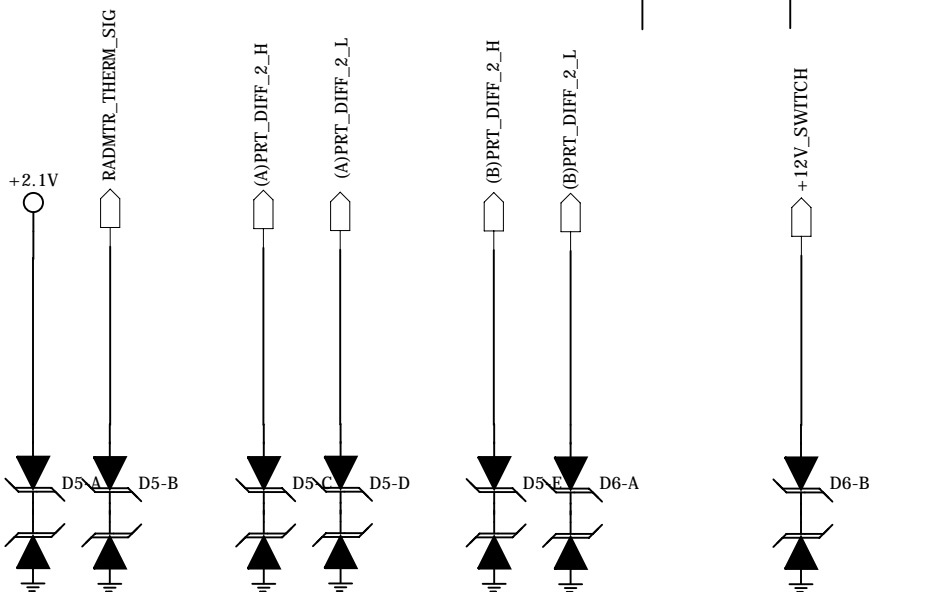
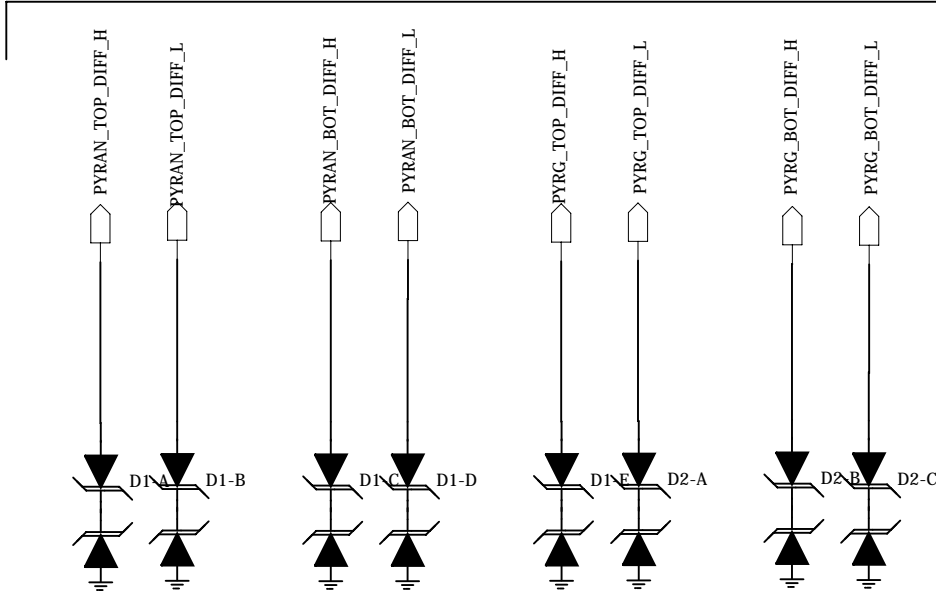
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1

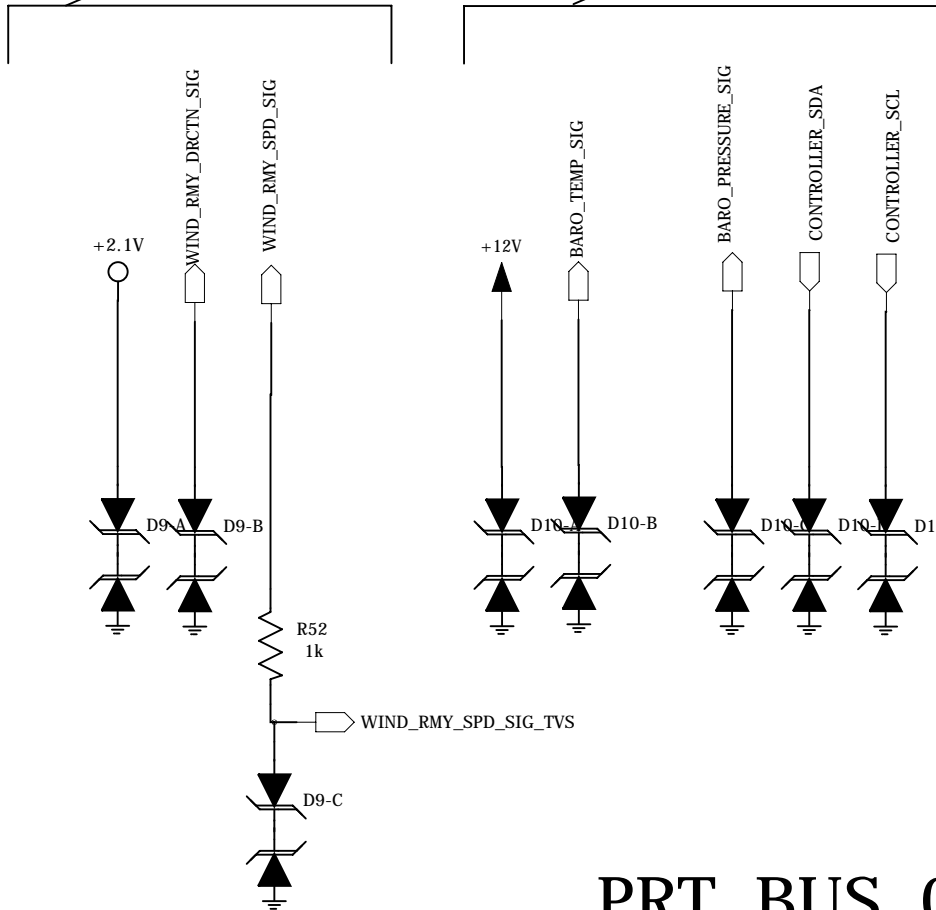
REVISION RECORD			
LTR	ECO NO.	APPROVED:	DATE:

RADIOMETER_BUS_01
RADIOMETER_BUS_02

MODEM_POWER

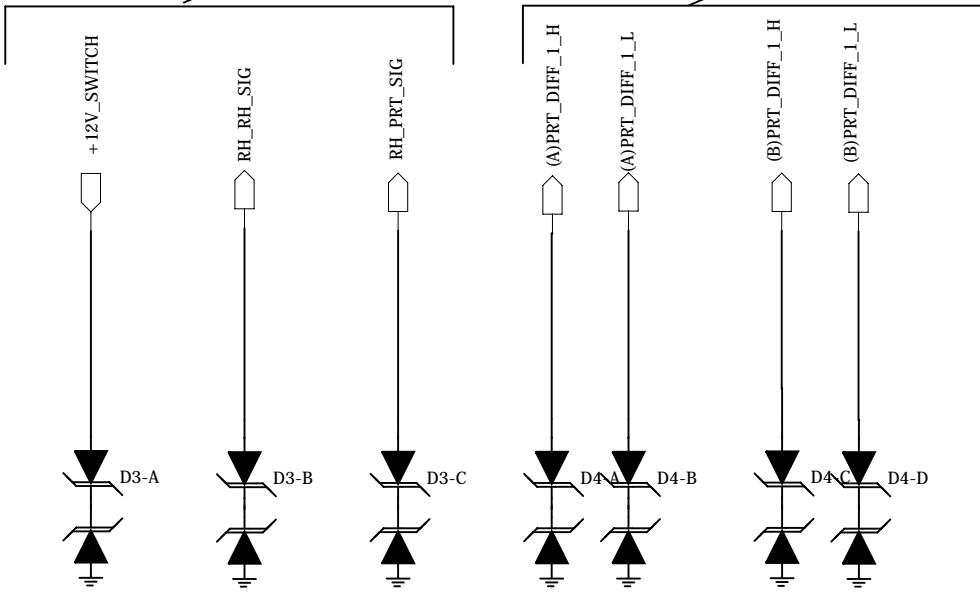


WIND_BUS_01 BAROMETER_BUS

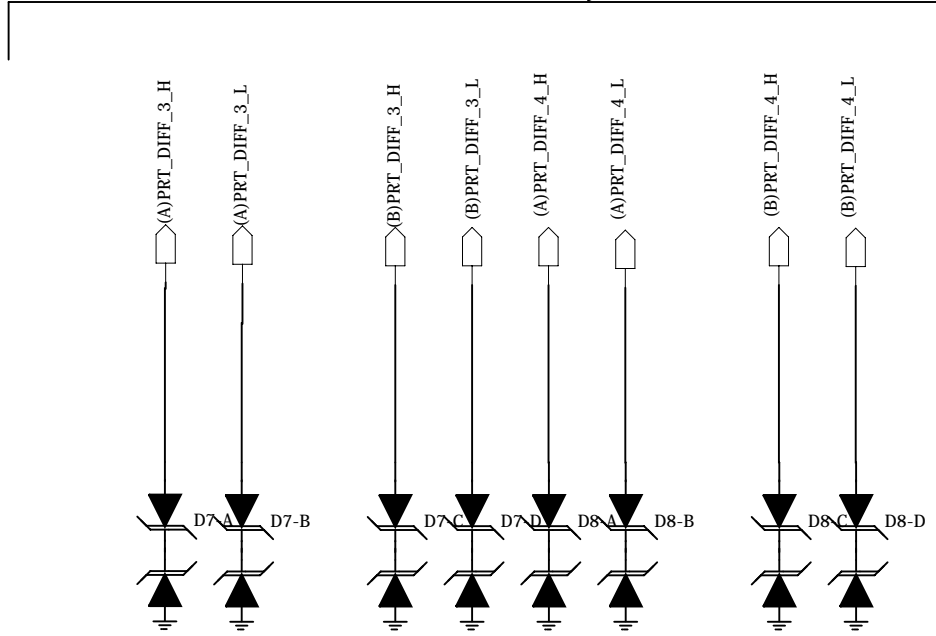


RH_BUS

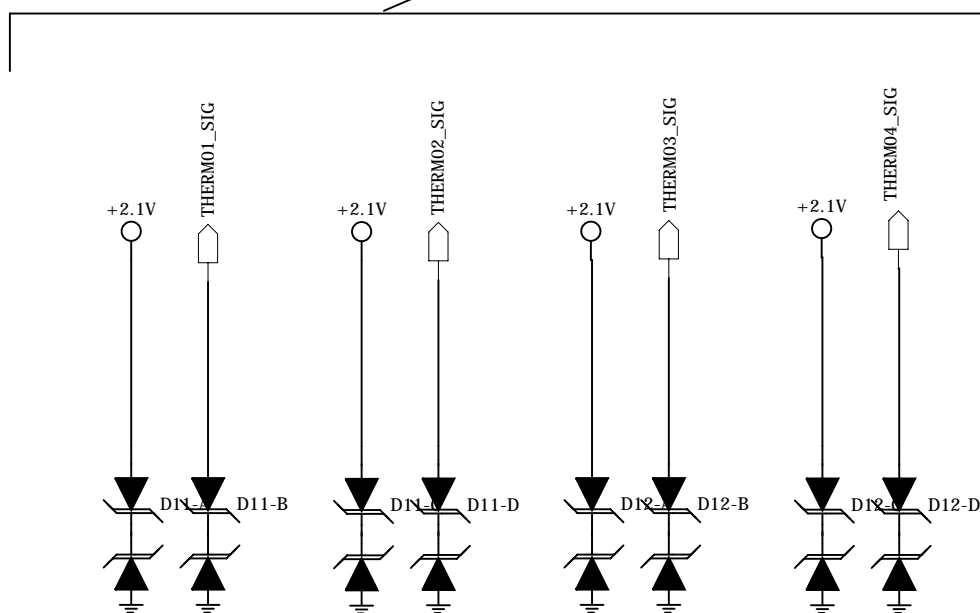
PRT_BUS_01



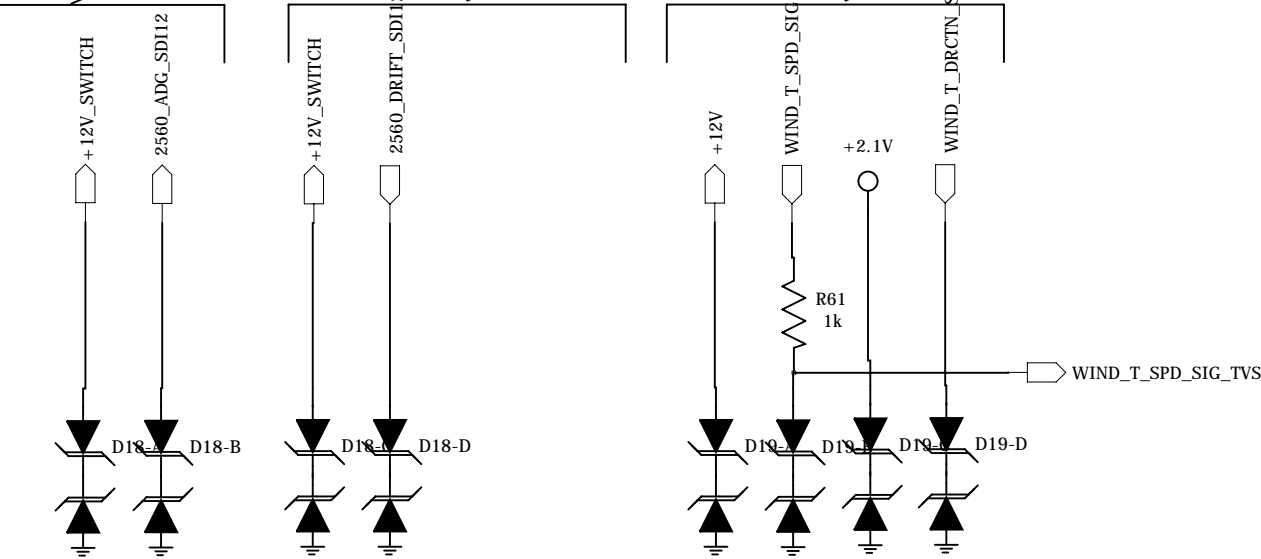
PRT_BUS_02



THERMISTOR_BUS



ADG_BUS DRIFT_BUS WIND_BUS_02



COMPANY: MATC ELECTRONICS			
TITLE: MATC AWS LOGGER			
CODE: -	SIZE: D	DRAWING NO: 2-2002	REV: 2.2
SCALE: -		SHEET: 4F 9	

DRAWN: FAF	DATED: 05/13/22
CHECKED: -	DATED: -
QUALITY CONTROL: -	DATED: -
RELEASED: -	DATED: -

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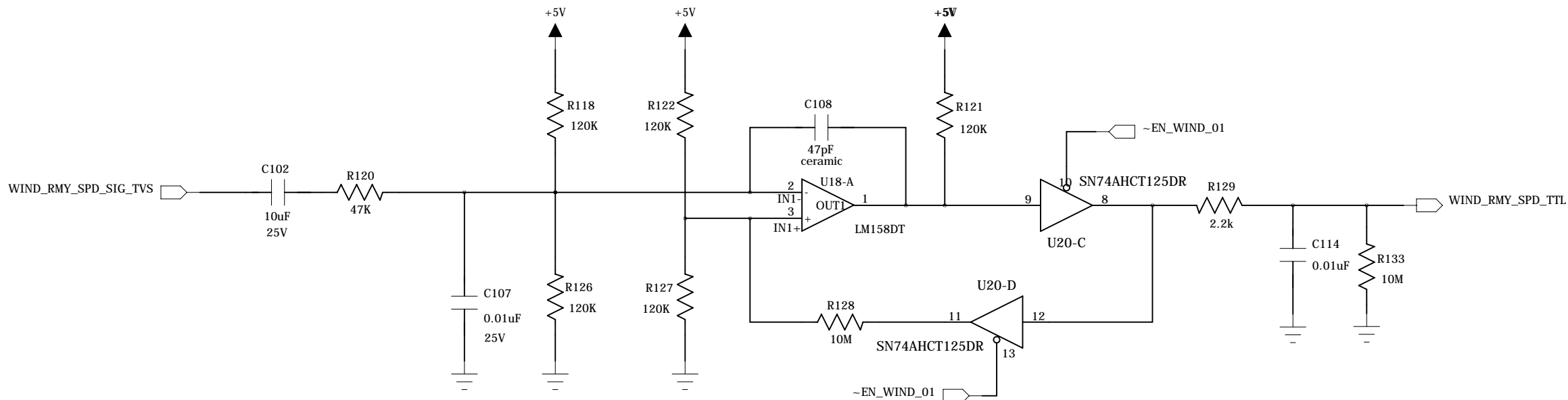
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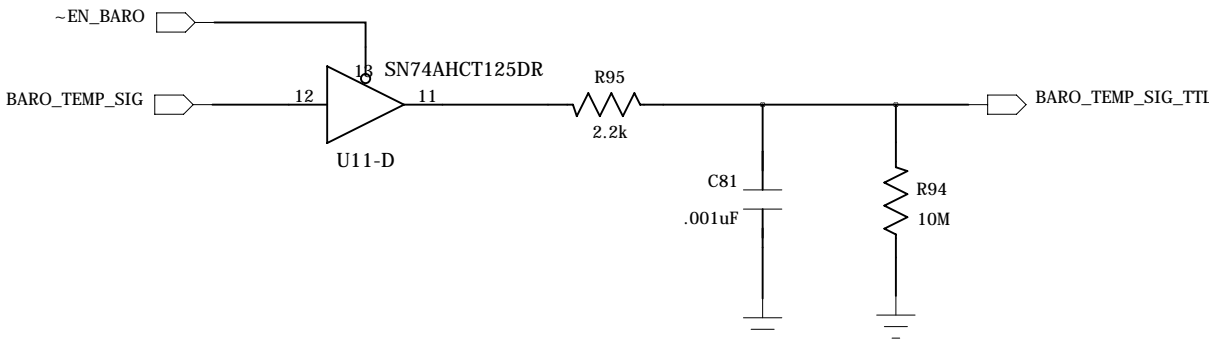
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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

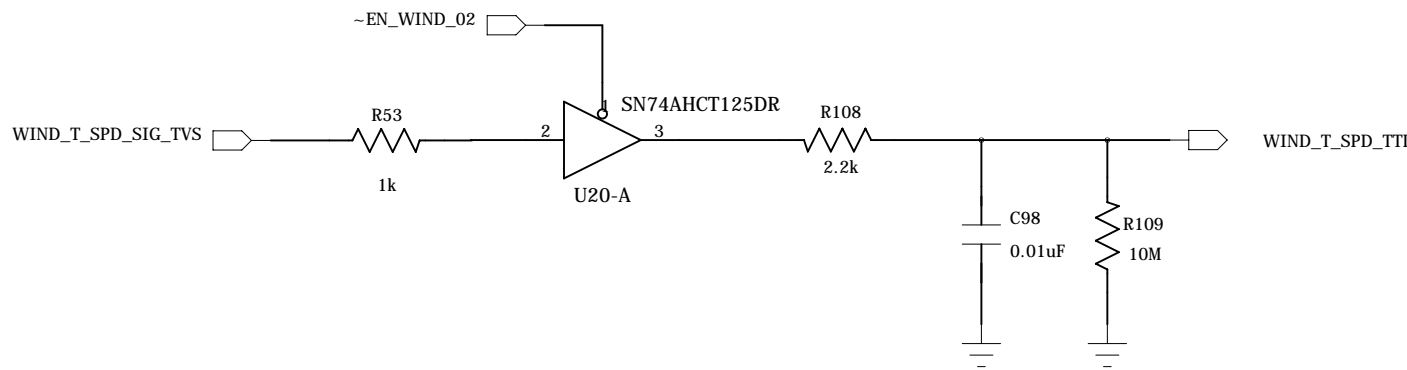
WIND_SPEED_RMYOUNG



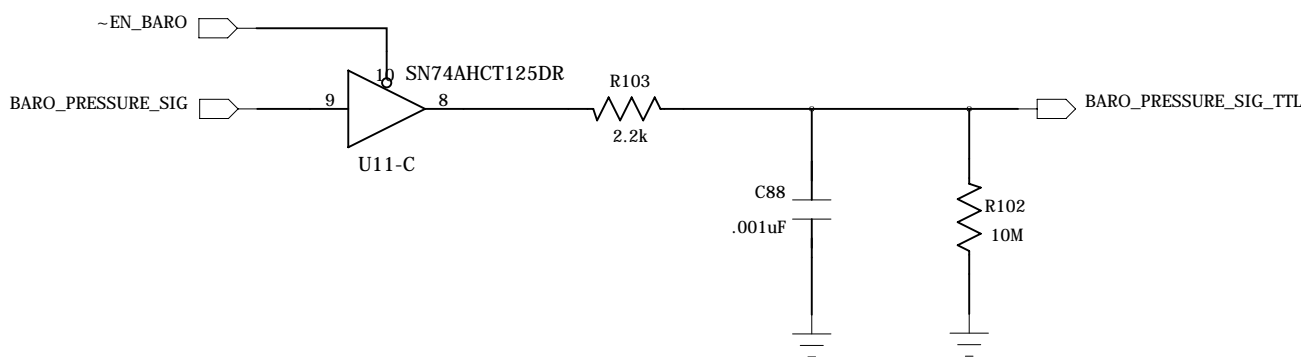
BAROMETER_TEMP



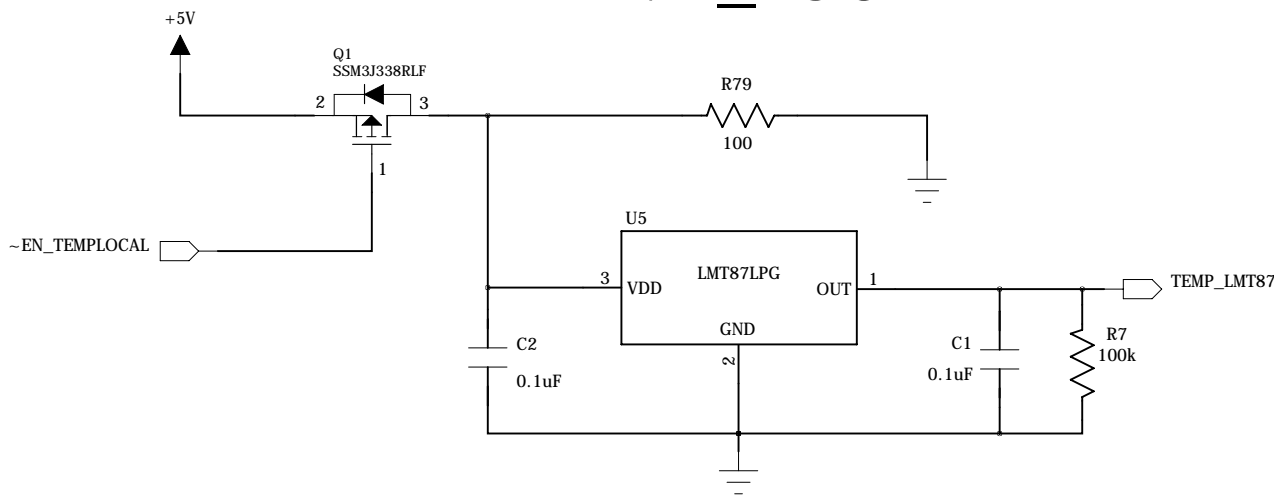
WIND_SPEED_TAYLOR



BAROMETER_PRESSURE

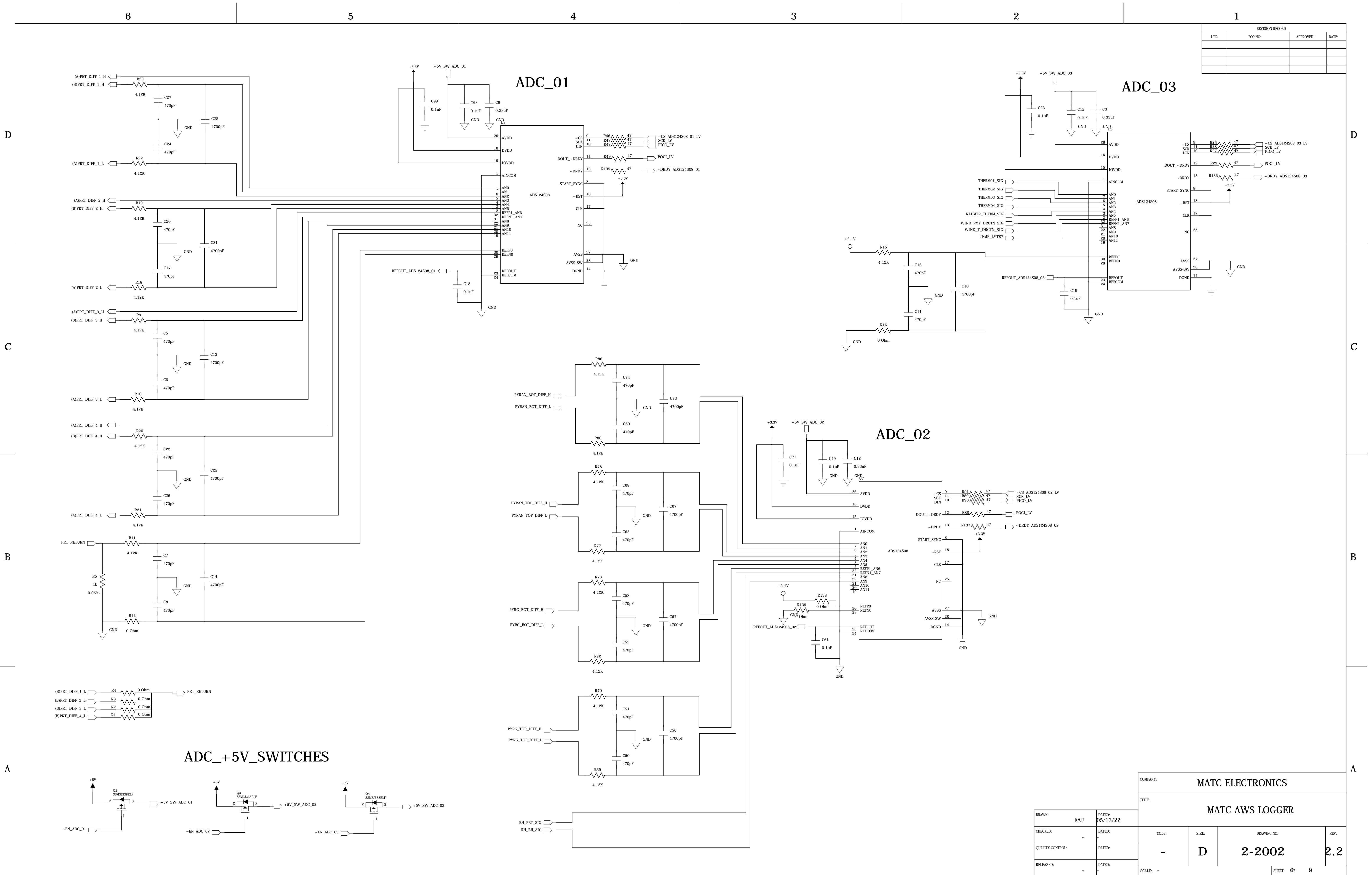


TEMP_LOCAL



**BEND TO92 LEADS FOR LMT87 TO CONTACT 100OHM RESISTOR

COMPANY: MATC ELECTRONICS			
TITLE: MATC AWS LOGGER			
DRAWN: FAF	DATED: 05/13/22	CODE: -	SIZE: D
CHECKED: -	DATED: -	DRAWING NO: 2-2002	REV: 2.2
QUALITY CONTROL: -	DATED: -	SCALE: -	
RELEASED: -	DATED: -	SHEET: 5f 9	



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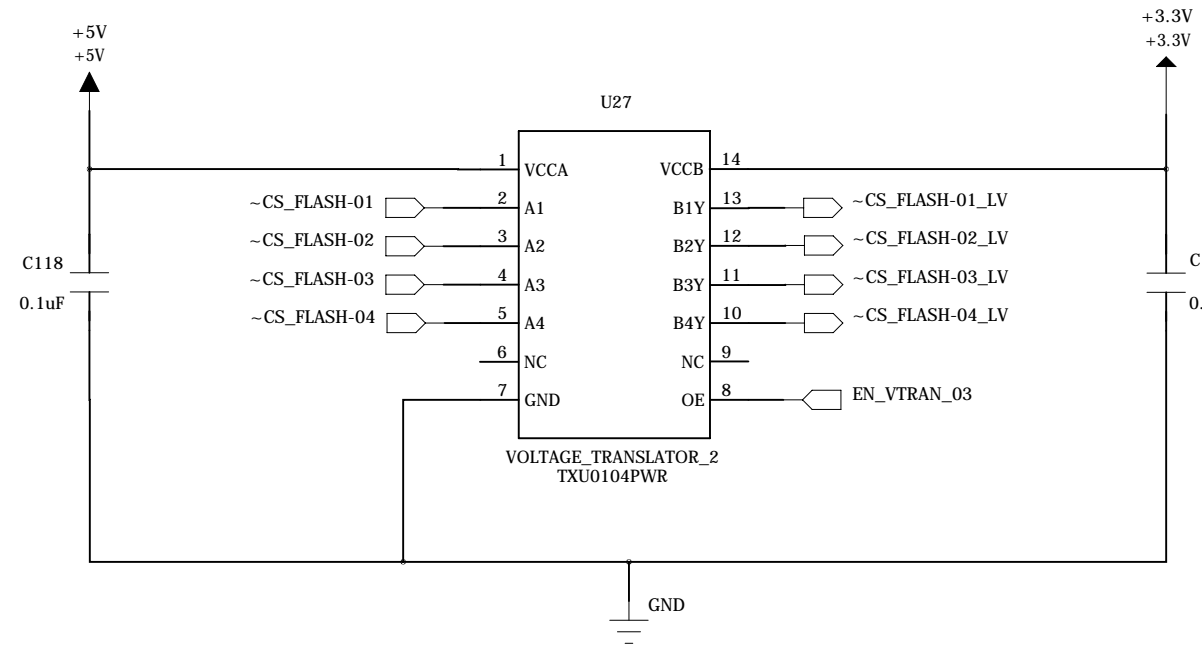
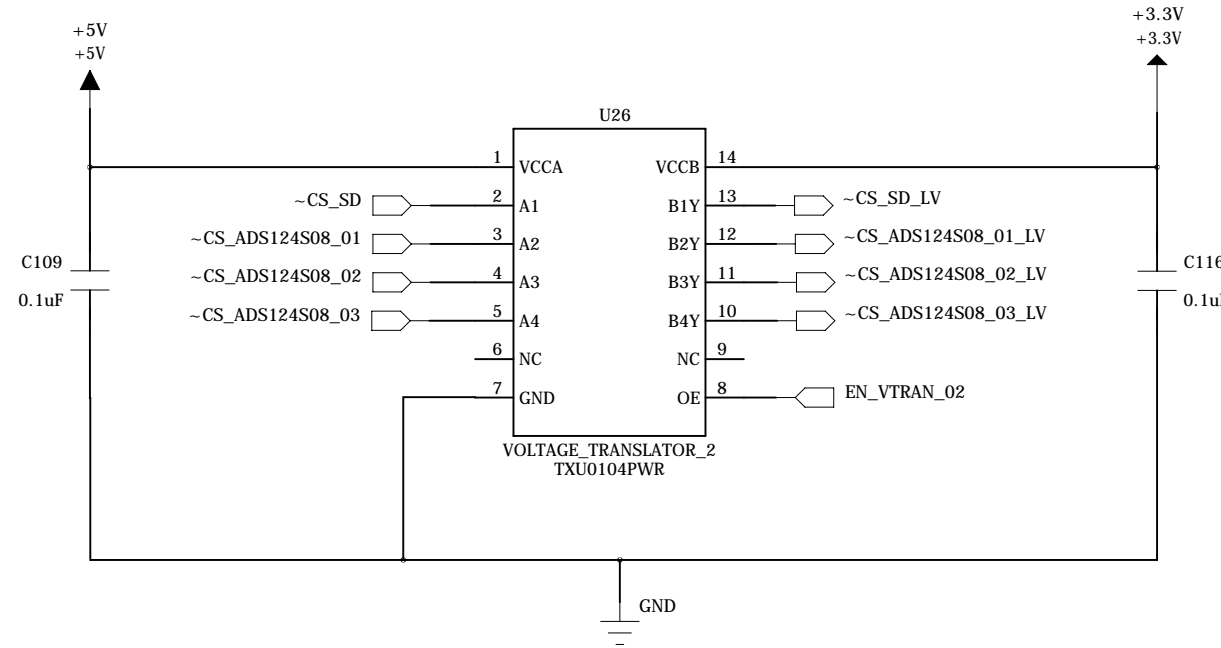
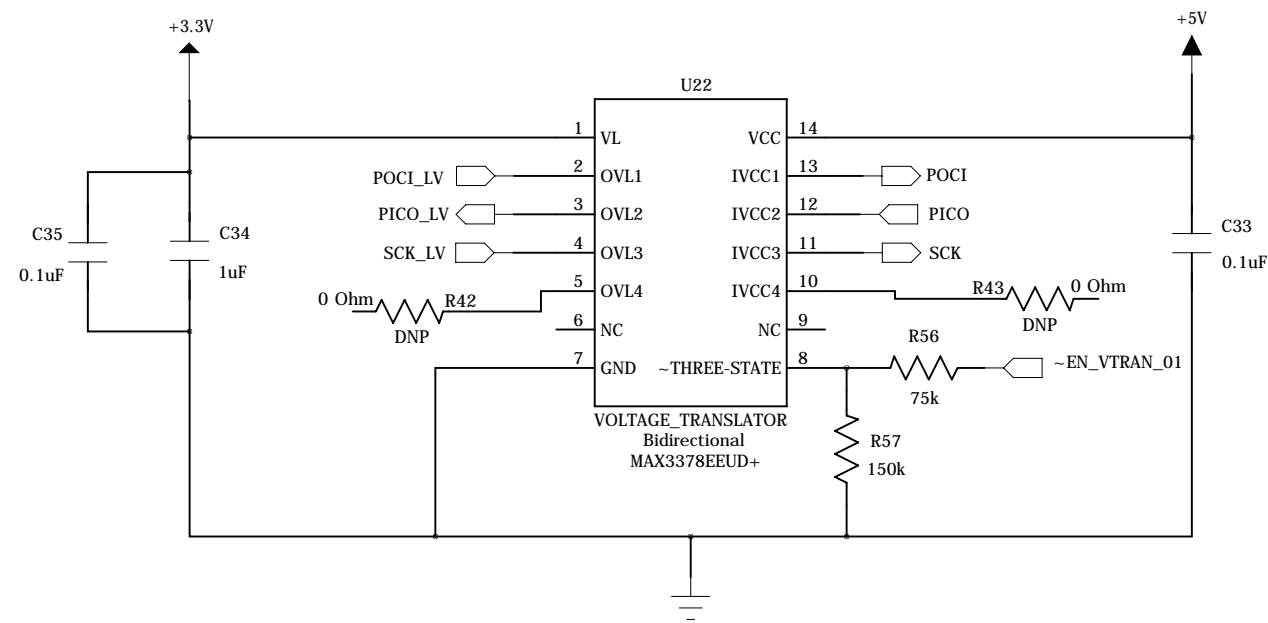
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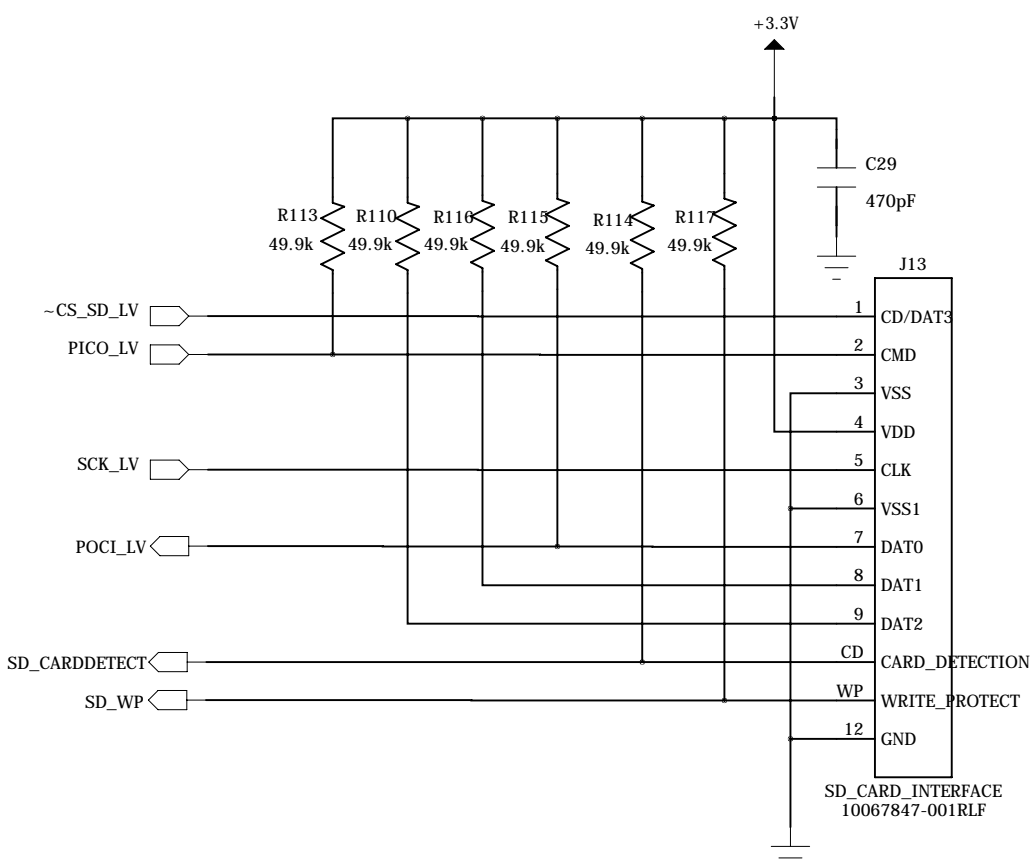
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REVISION RECORD			
LTR	ECO NO.	APPROVED	DATE

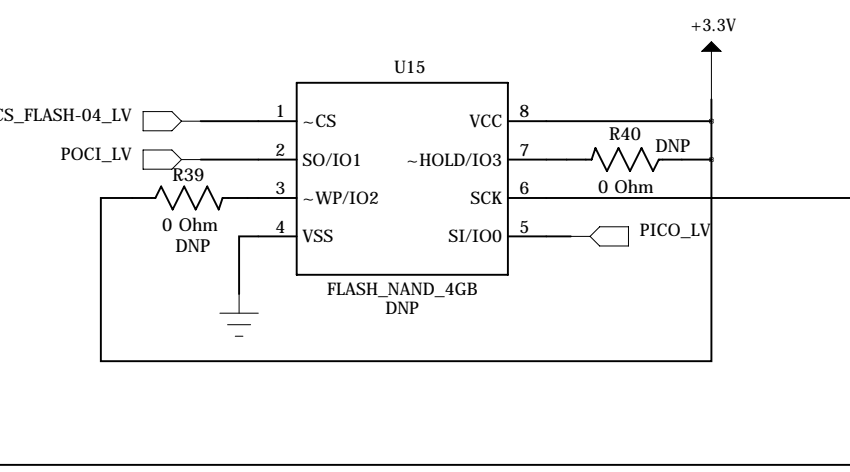
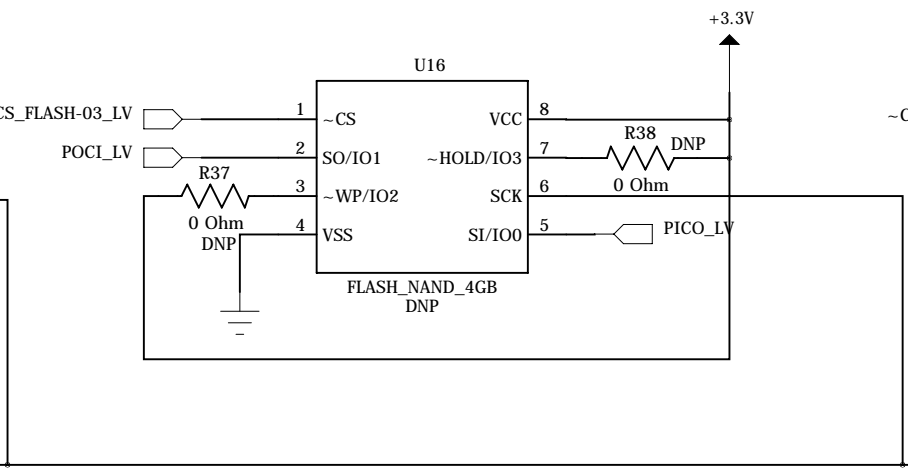
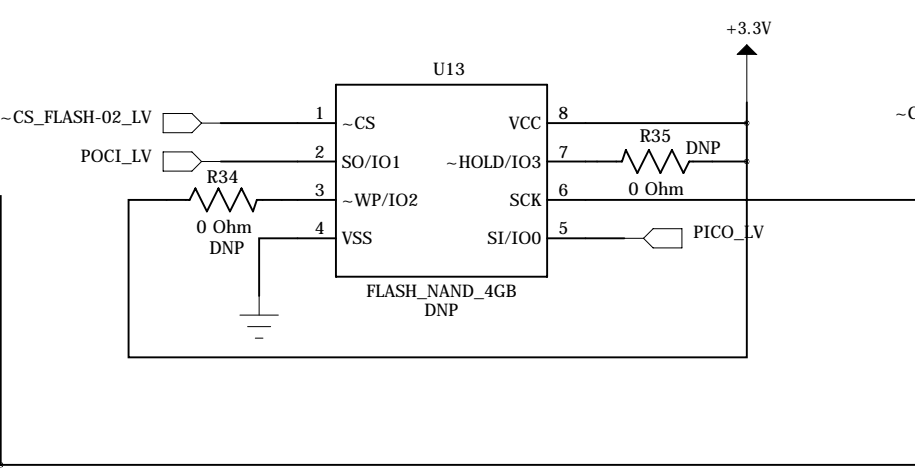
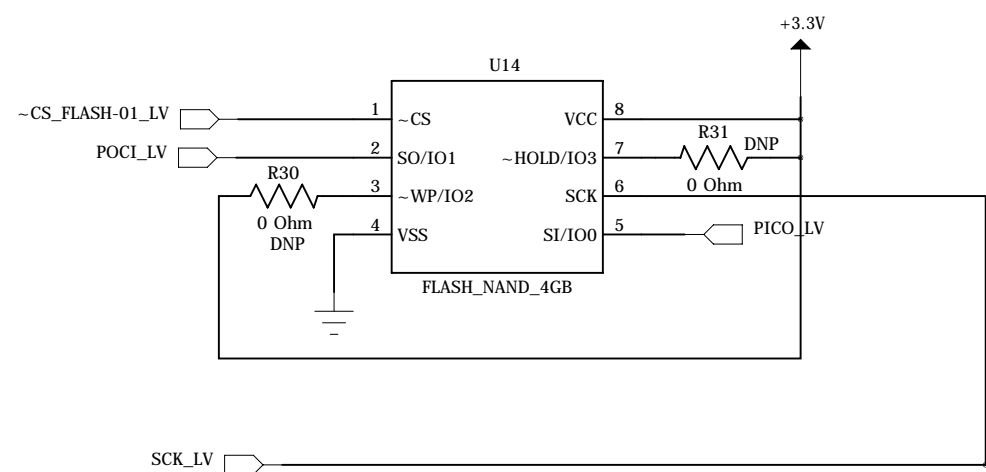
VOLTAGE_LEVEL_TRANSLATION



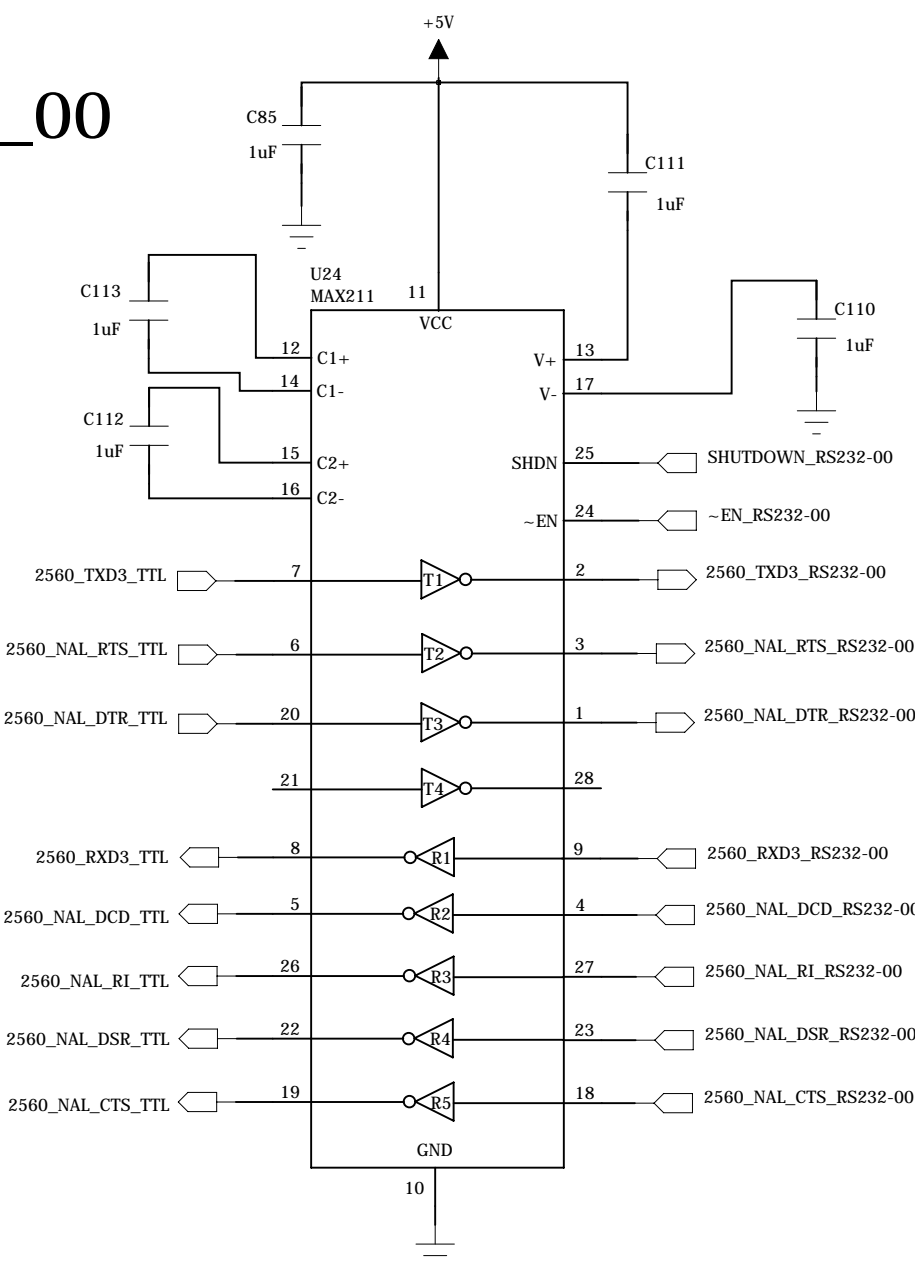
SD_CARD



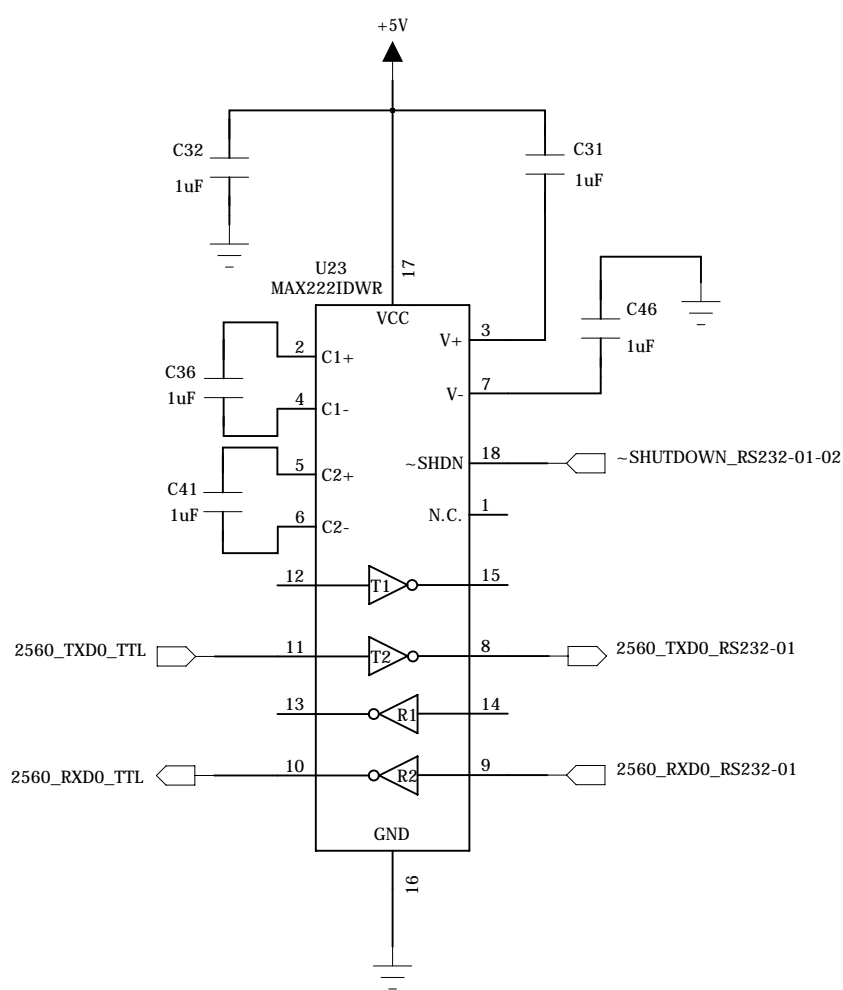
NAND_FLASH



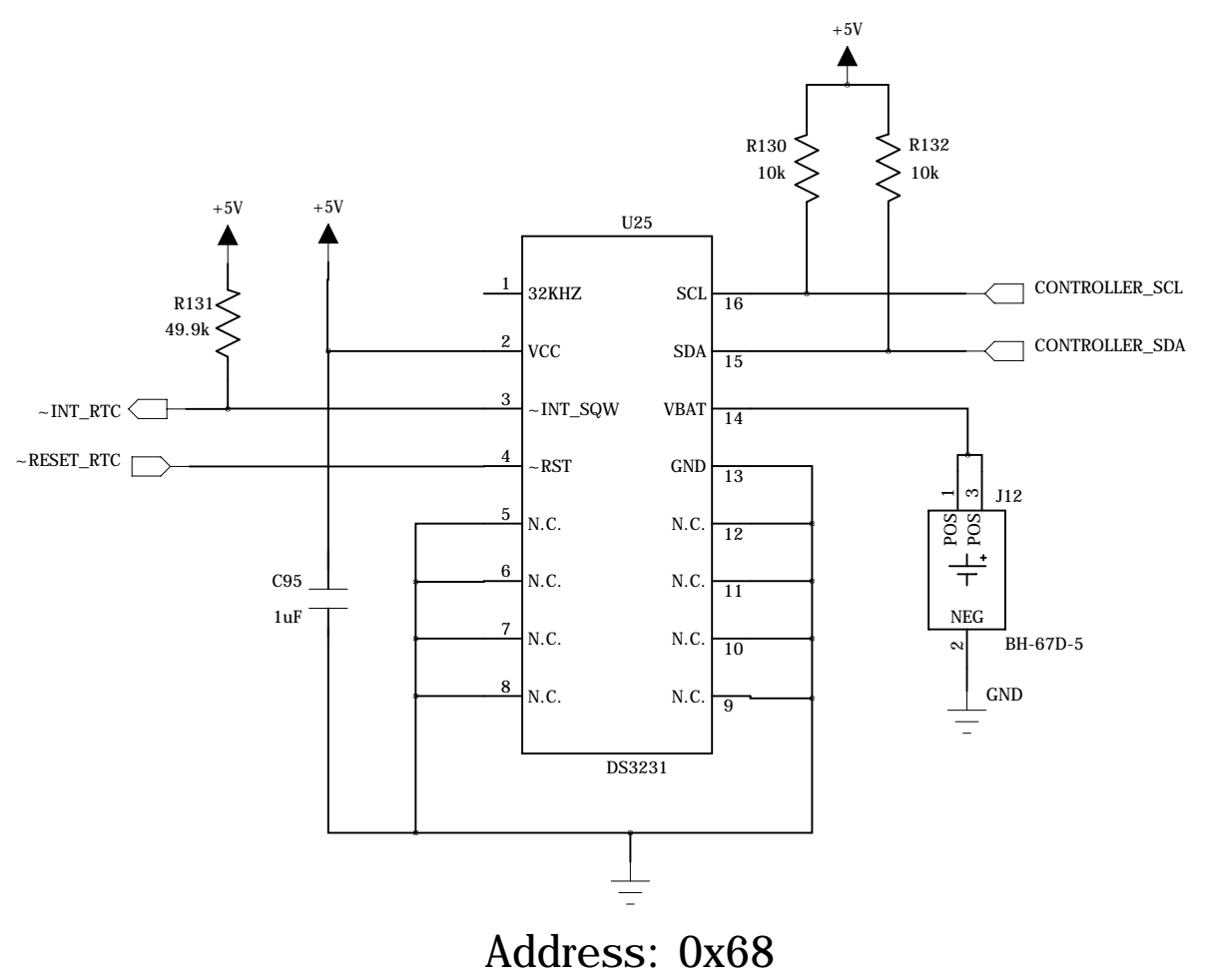
RS232_00



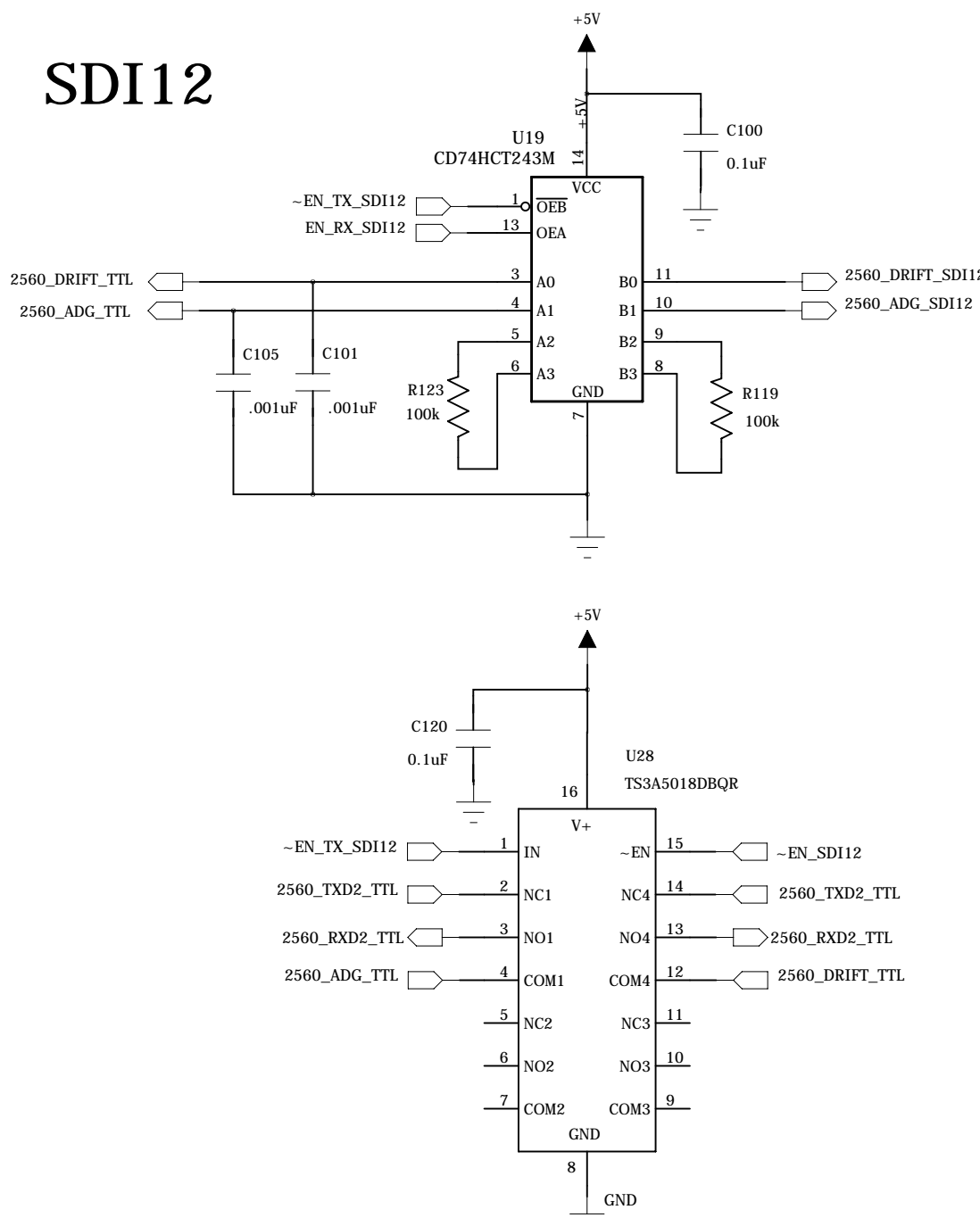
RS232_01



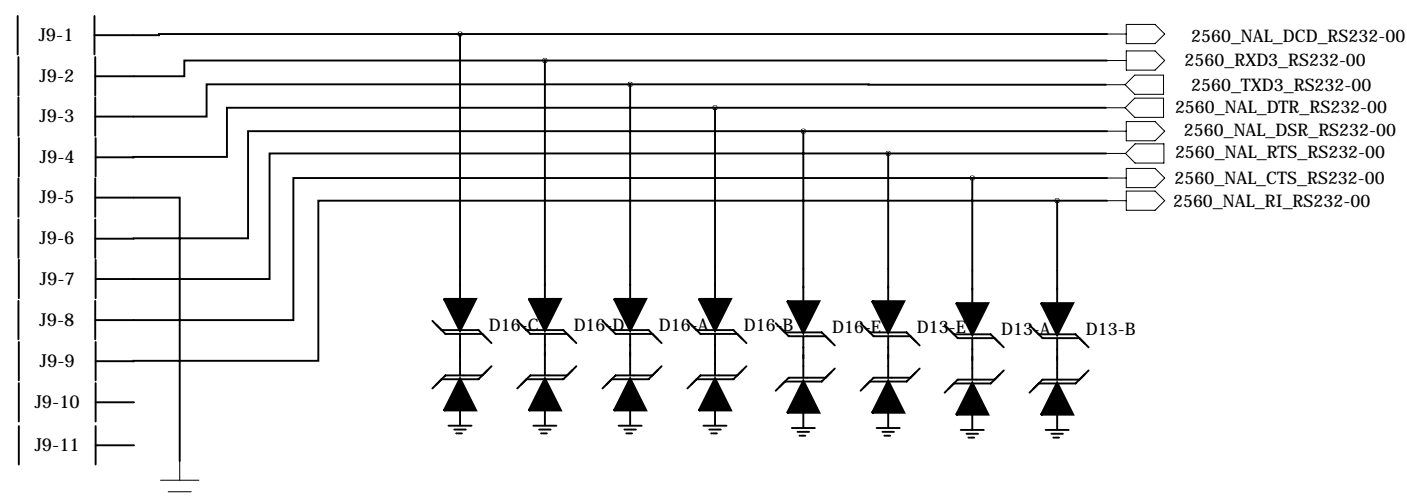
REAL_TIME_CLOCK



SDI12

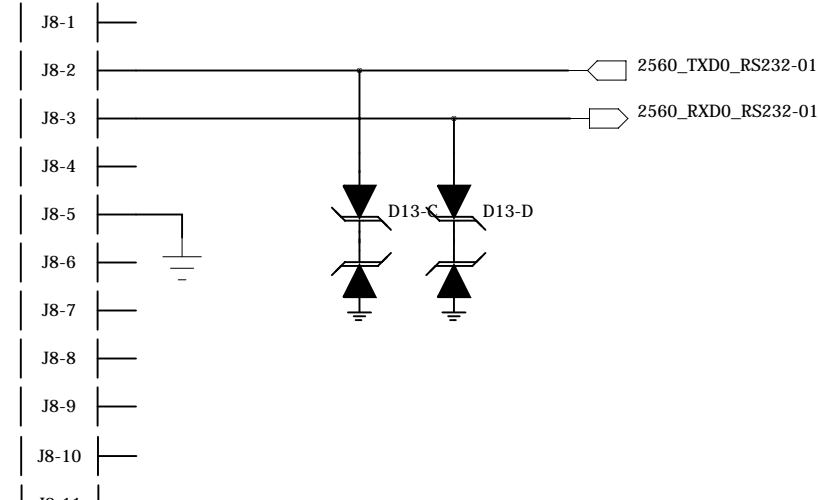


RS232_SATELLITE_DB9



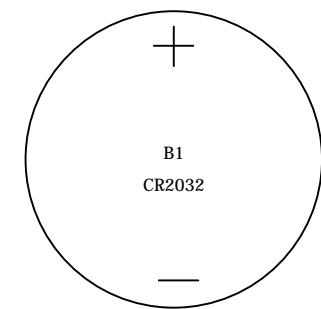
Pins 10 and 11 are mounting holes

RS232_DIAGNOSTIC_DB9



Pins 10 and 11 are mounting holes

Address: 0x68



RTC Battery CR2032

DRAWN:	FAF	DATED:	05/13/22
CHECKED:	-	DATED:	-
QUALITY CONTROL:	-	DATED:	-
RELEASED:	-	DATED:	-

COMPANY: MATC ELECTRONICS			
TITLE: MATC AWS LOGGER			
CODE:	SIZE:	DRAWING NO:	REV:
-	D	2-2002	2.2
SCALE: -			SHEET: 7 9

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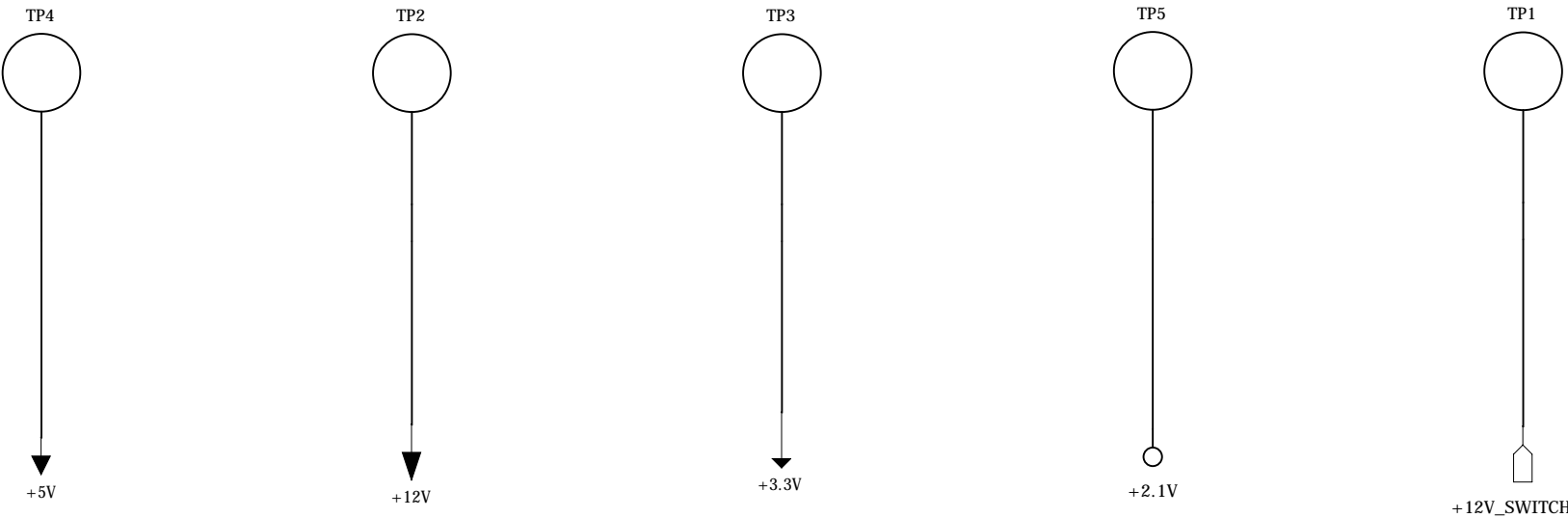
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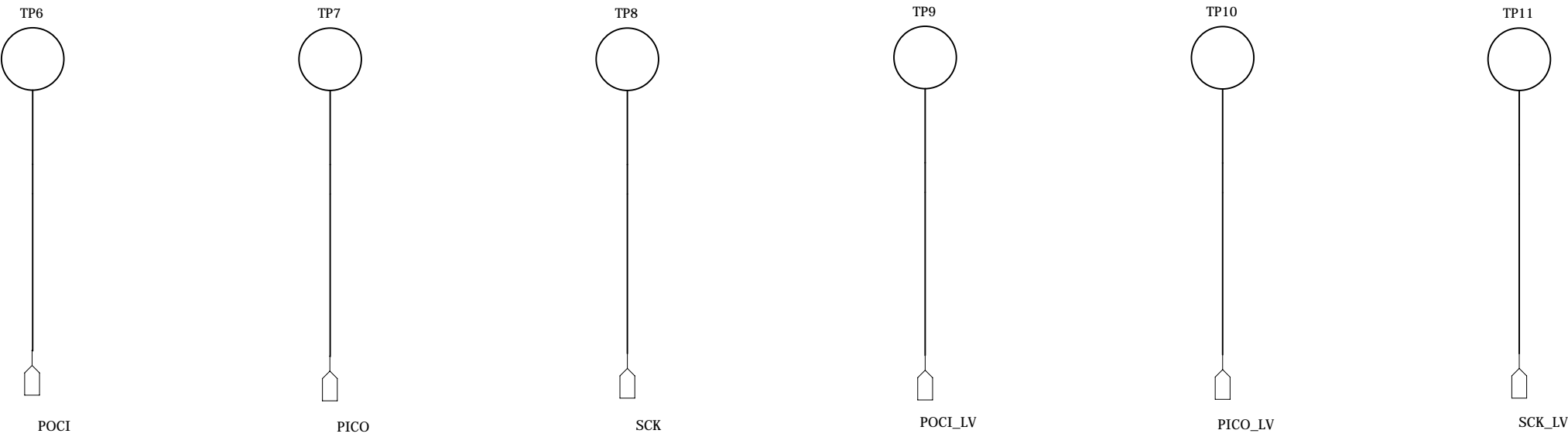
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REVISION RECORD			
LTR	ECO NO.	APPROVED:	DATE:

TEST_POINTS_POWER



TEST_POINTS_SPI



COMPANY: MATC ELECTRONICS			
TITLE: MATC AWS LOGGER			
DRAWN: FAF	DATED: 05/13/22	CODE: -	SIZE: D
CHECKED: -	DATED: -	DRAWING NO: 2-2002	REV: 2.2
QUALITY CONTROL: -	DATED: -	SCALE: -	
RELEASED: -	DATED: -	SHEET: 8 of 9	

6

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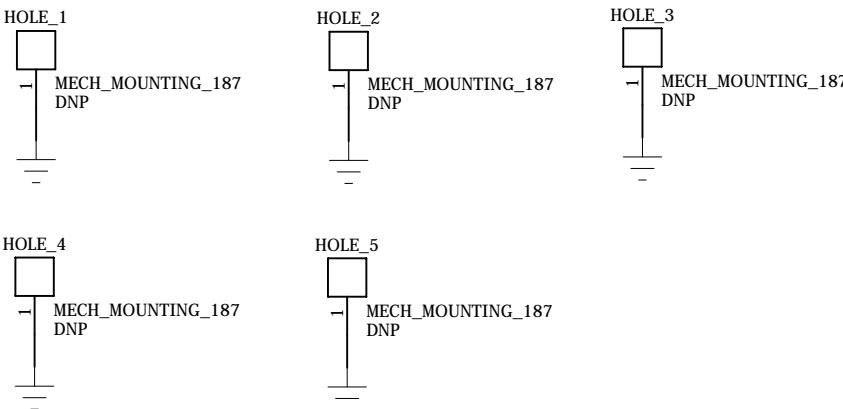
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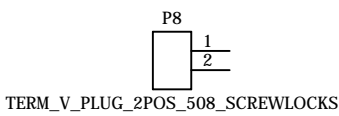
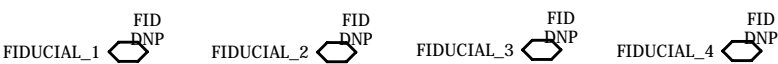
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REVISION RECORD			
LTR	ECO NO.	APPROVED:	DATE:

MOUNTING_HOLES



FIDUCIALS_100_MIL



COMPANY: MATC ELECTRONICS			
TITLE: MATC AWS LOGGER			
CHECKED: -	DATED: -	CODE: -	SIZE: D
QUALITY CONTROL: -	DATED: -	DRAWING NO: 2-2002	
RELEASED: -	DATED: -	REV: 2.2	
SCALE: -			SHEET: 9 9