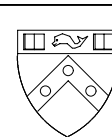


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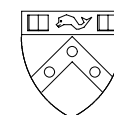
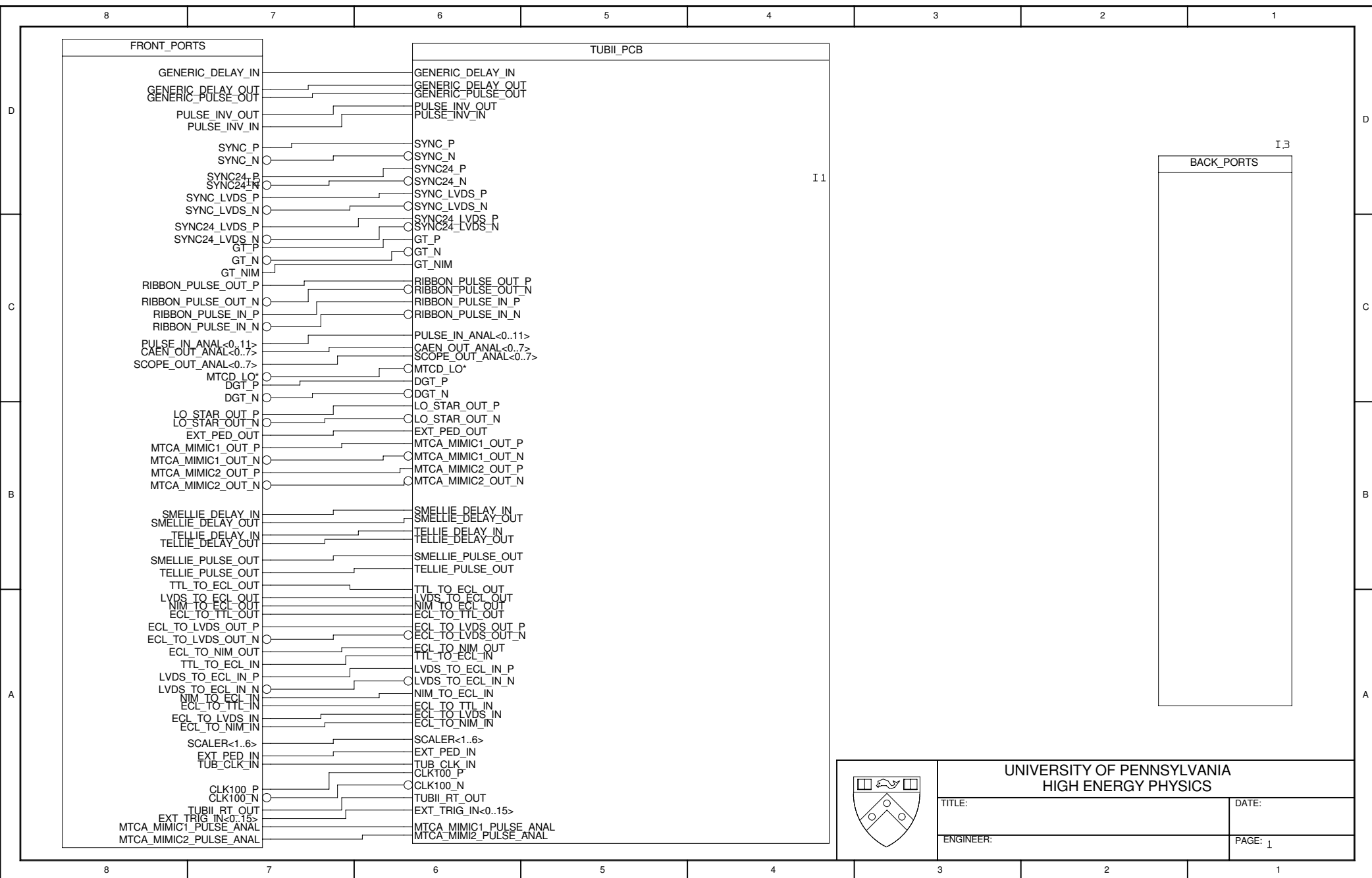
UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS

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DATE: 5-3-15

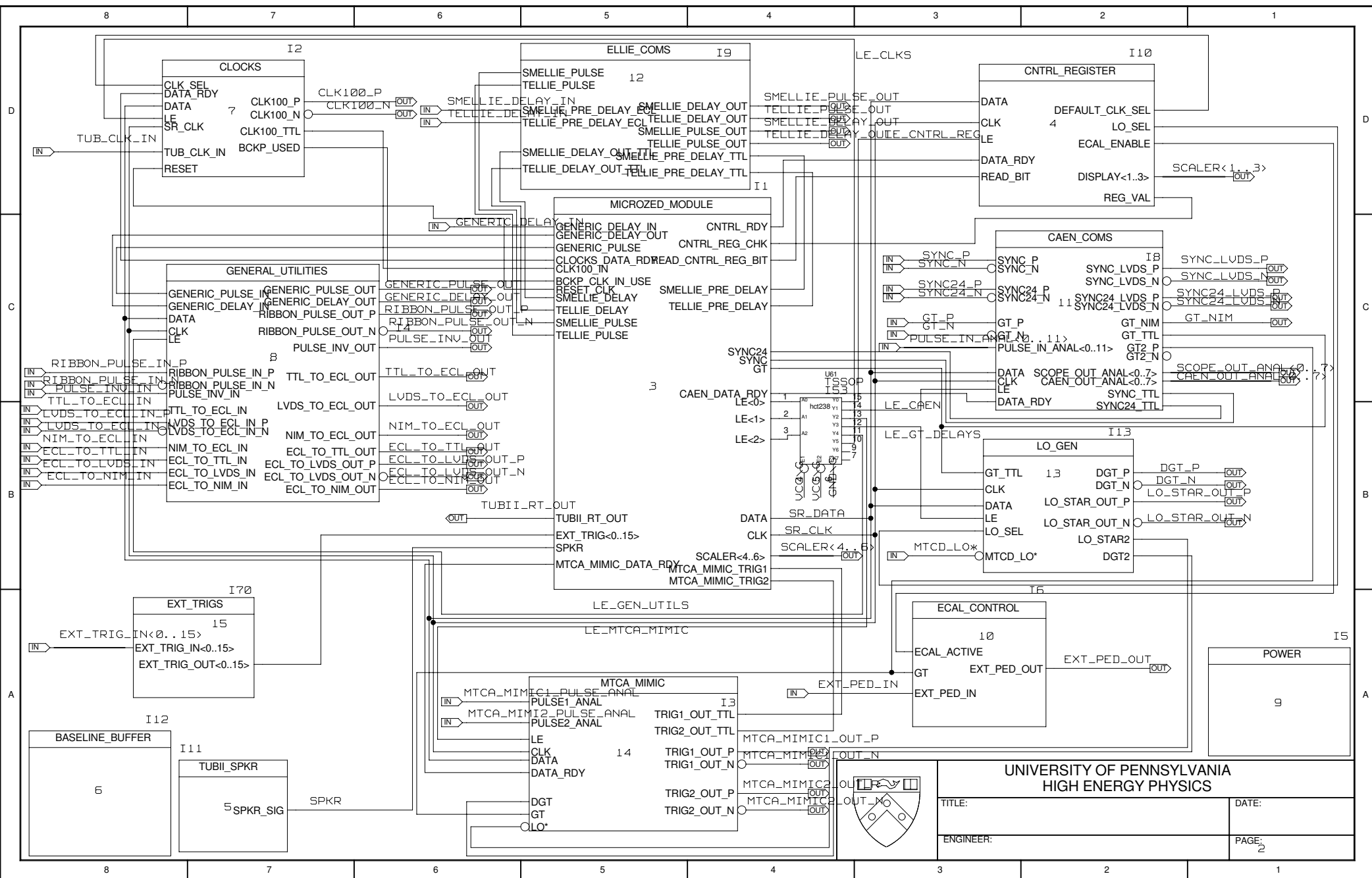
ENGINEER: ERIC MARZEC

PAGE:

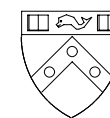
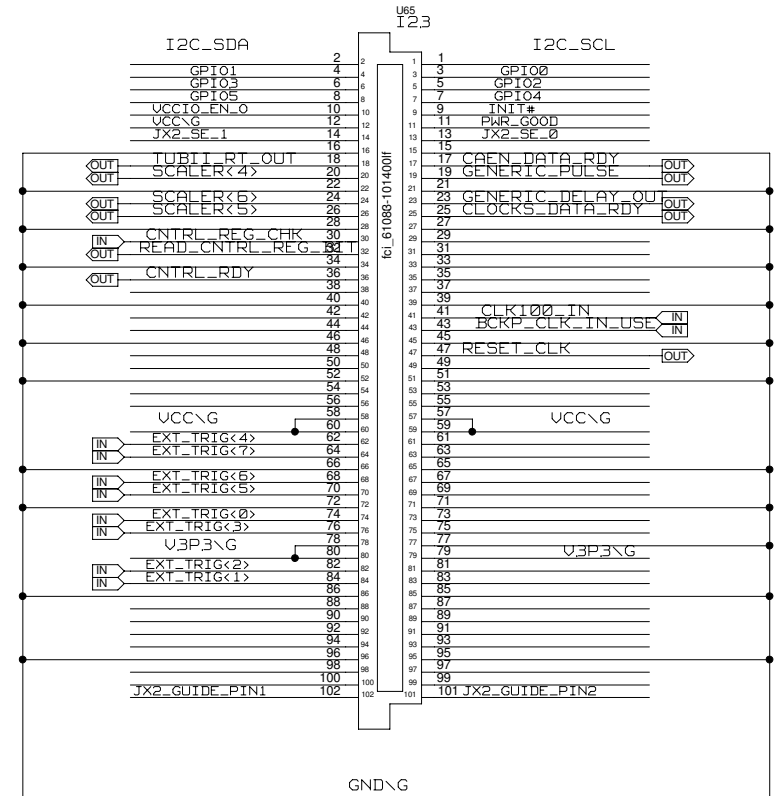
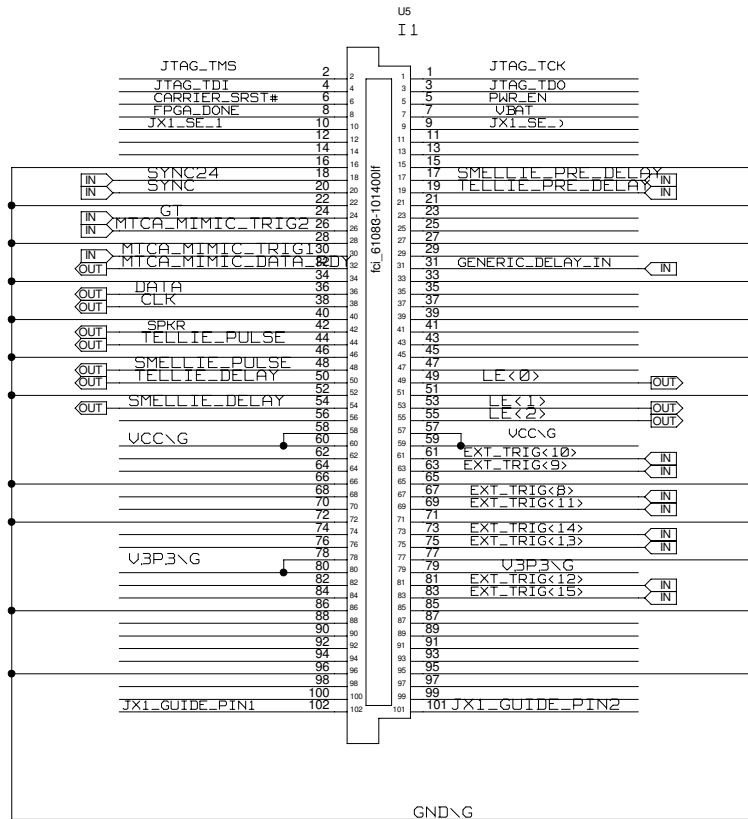


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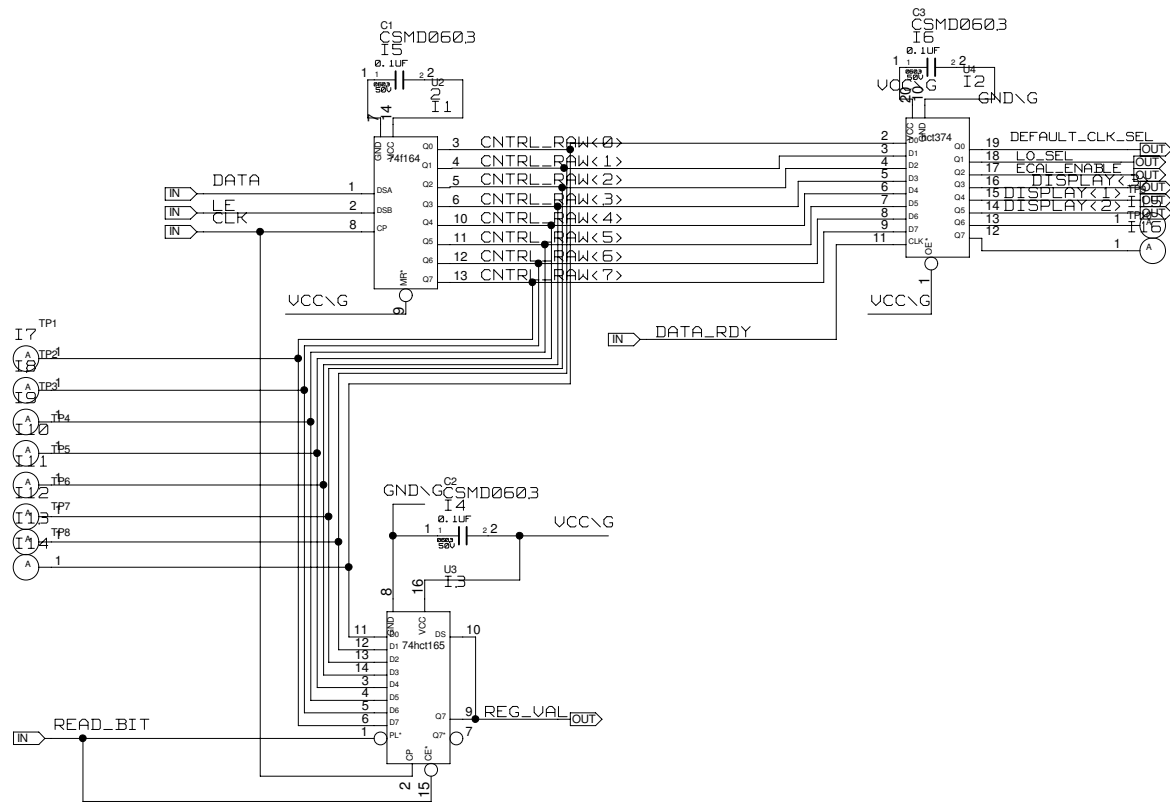
MICROZED CONNECTION



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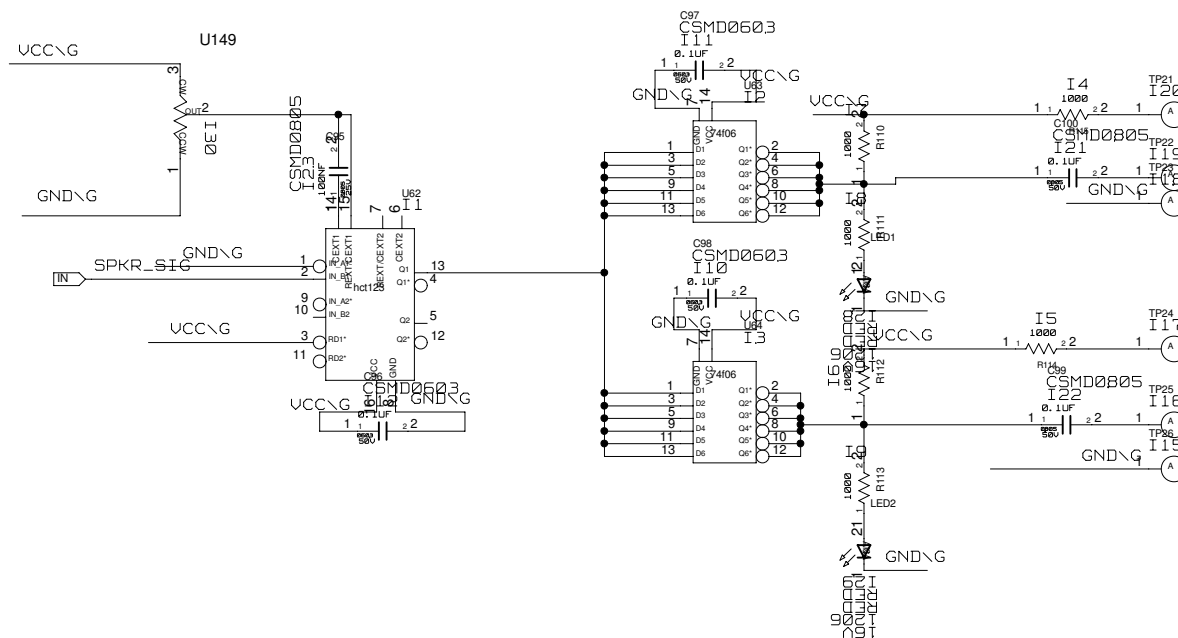
CNTRL REGISTER




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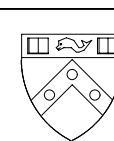
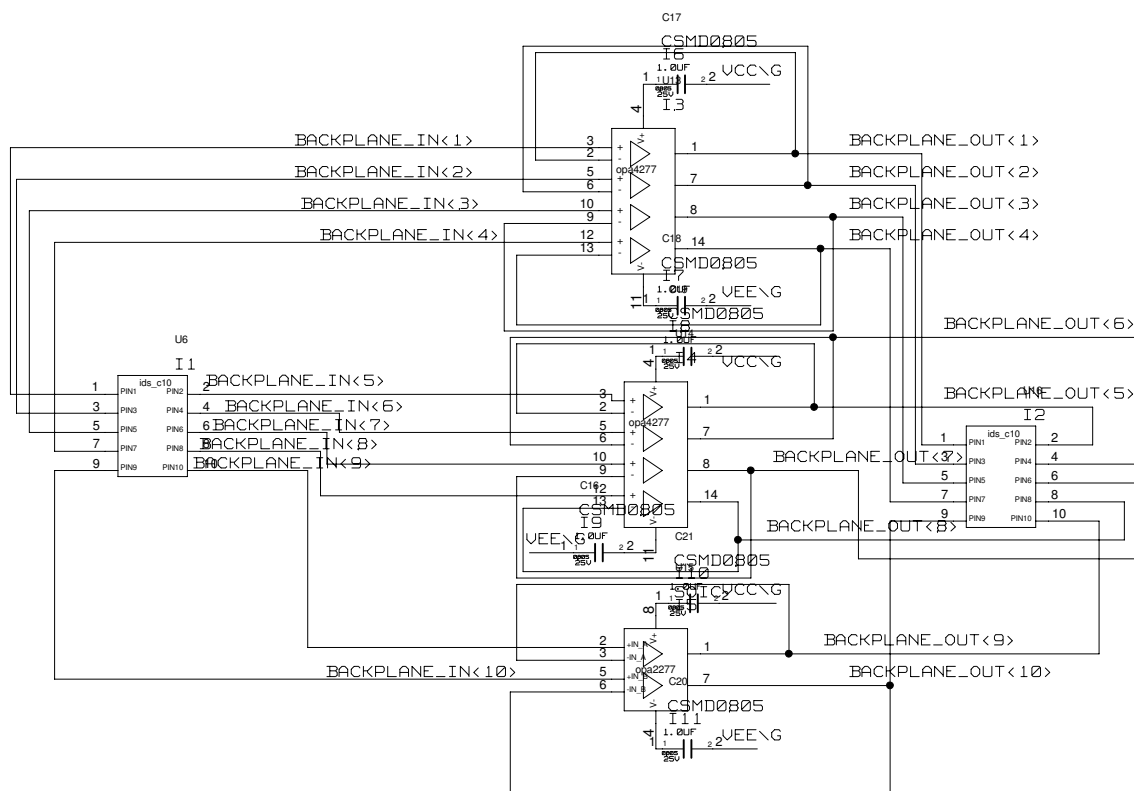
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SPEAKER



	UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
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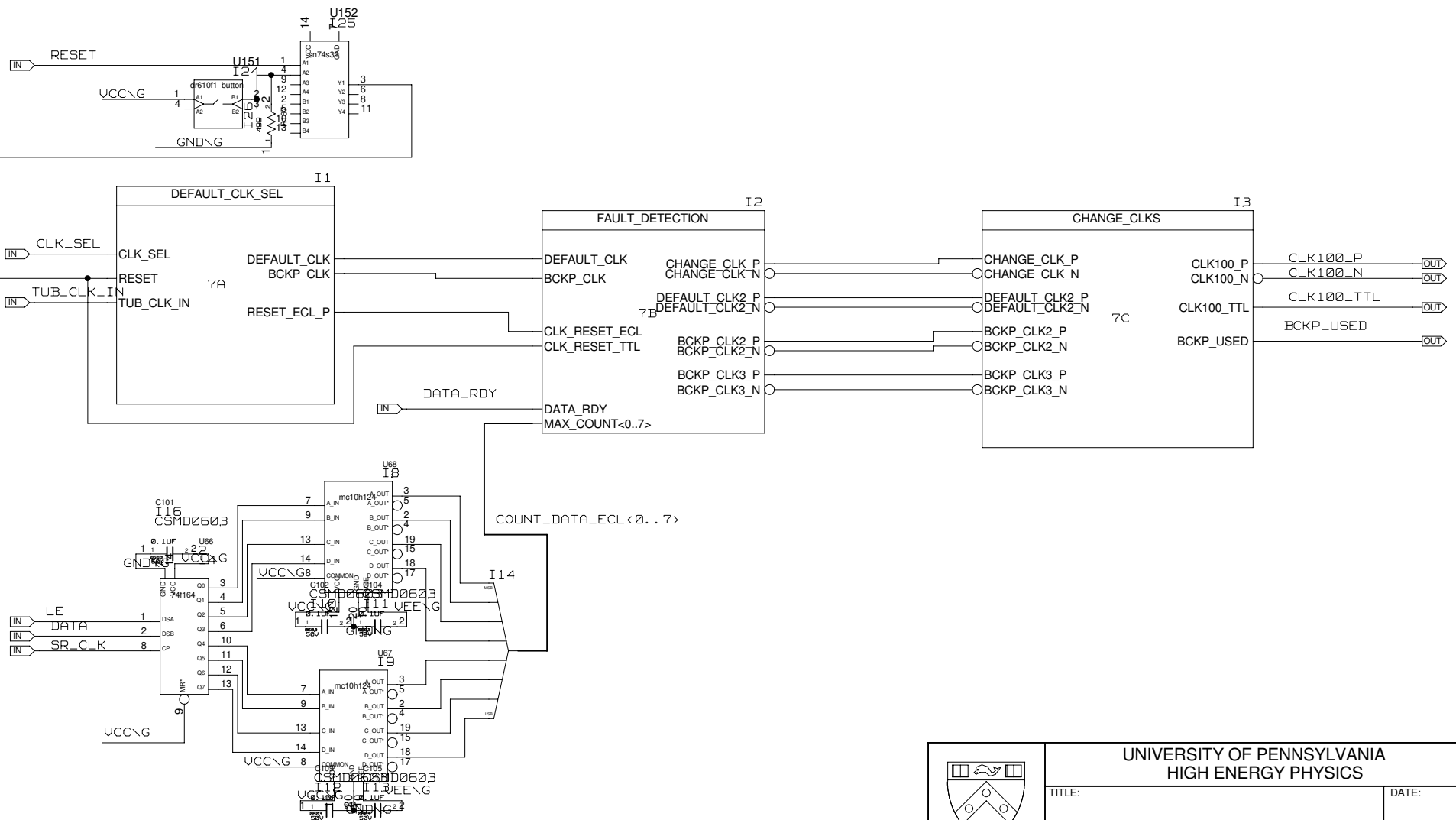
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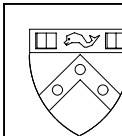
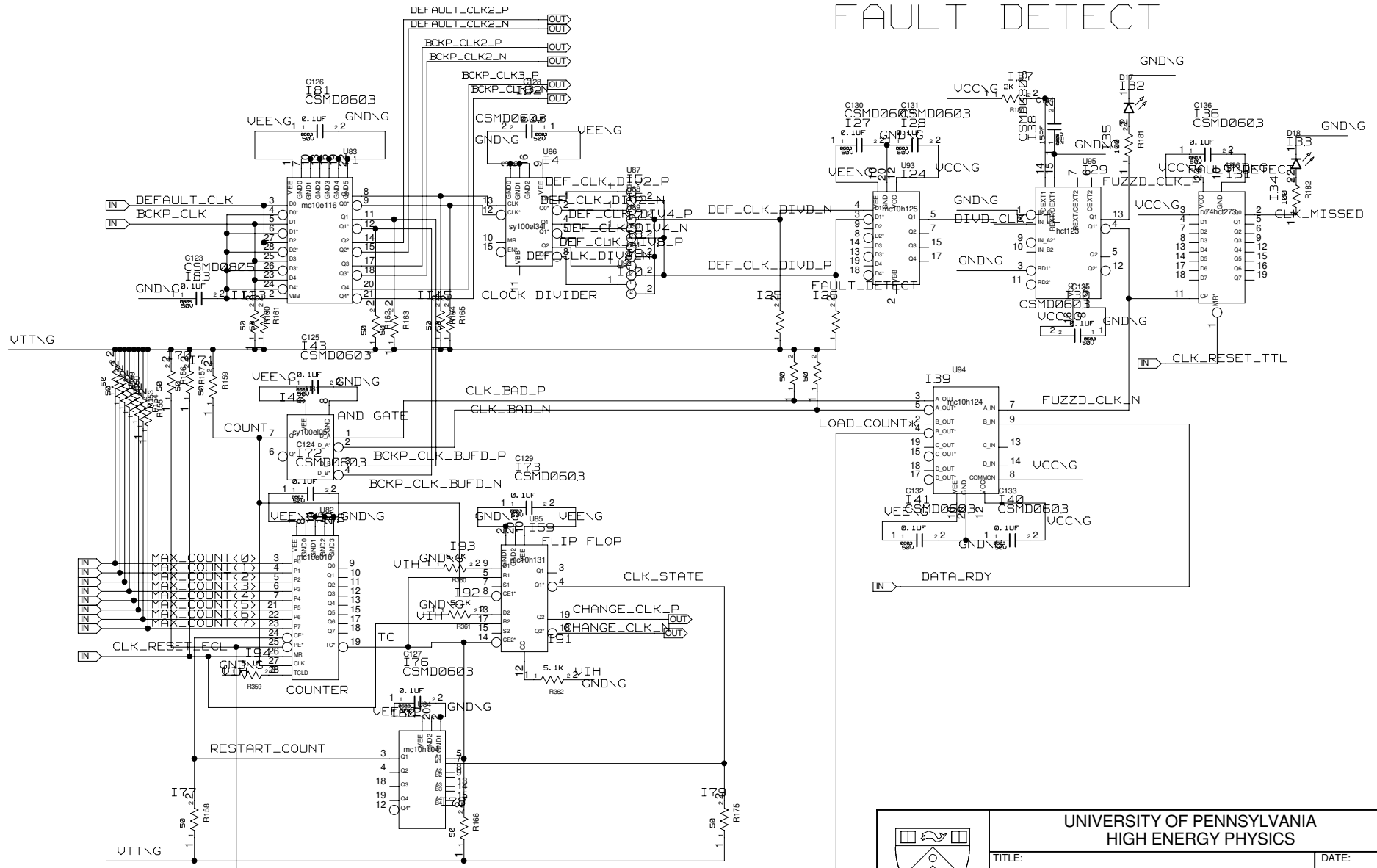
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HIGH ENERGY PHYSICS

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CLOCKS



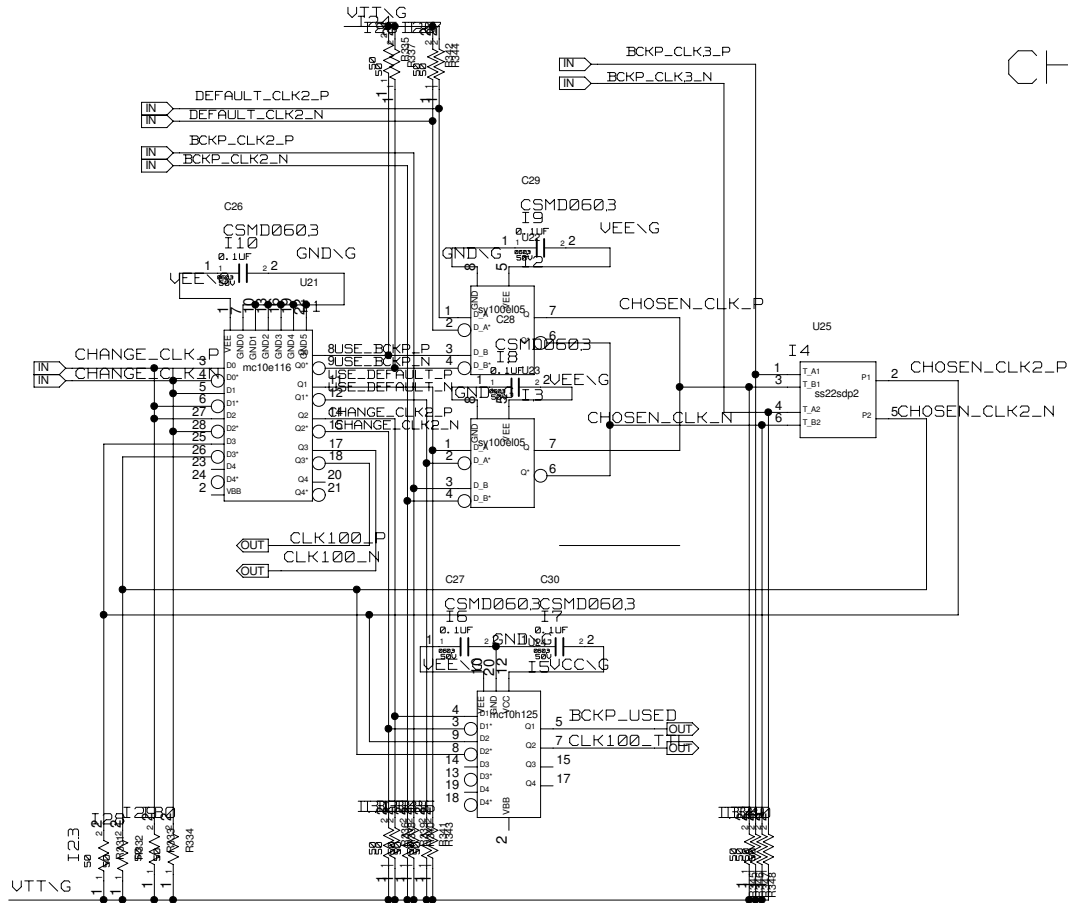
FAULT DETECT




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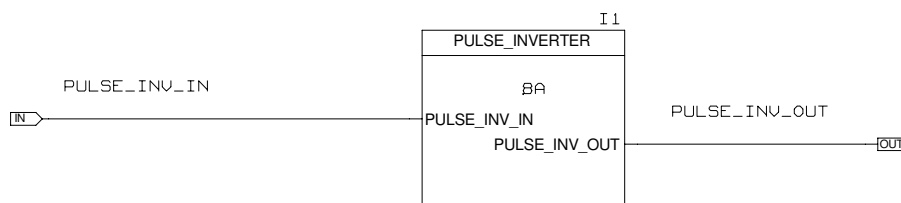
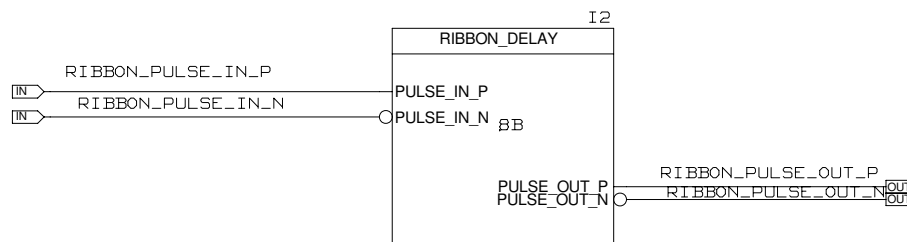
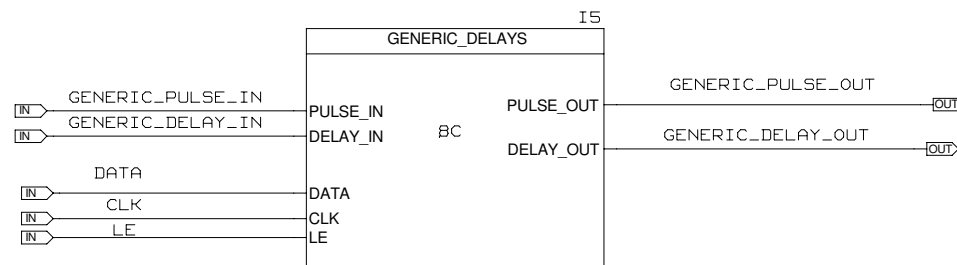
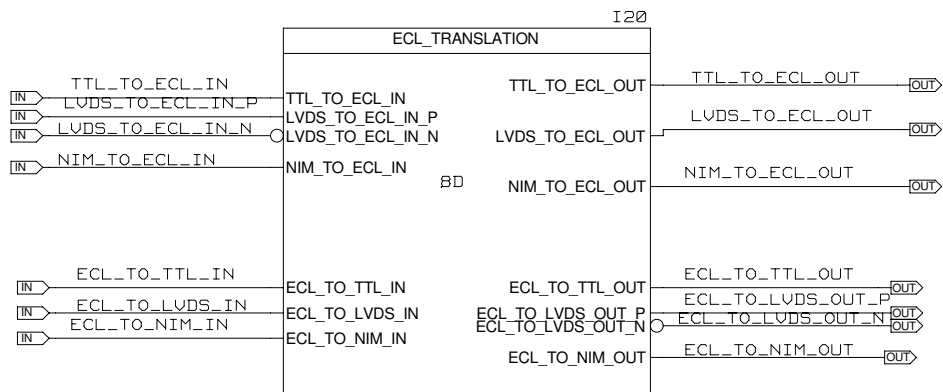
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CHANGE CLOCKS



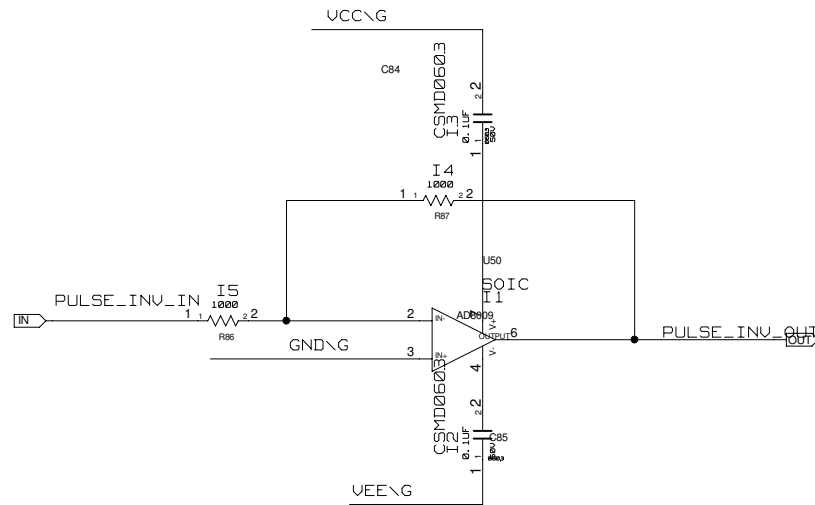
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GENERAL UTILITIES



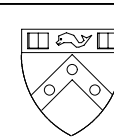
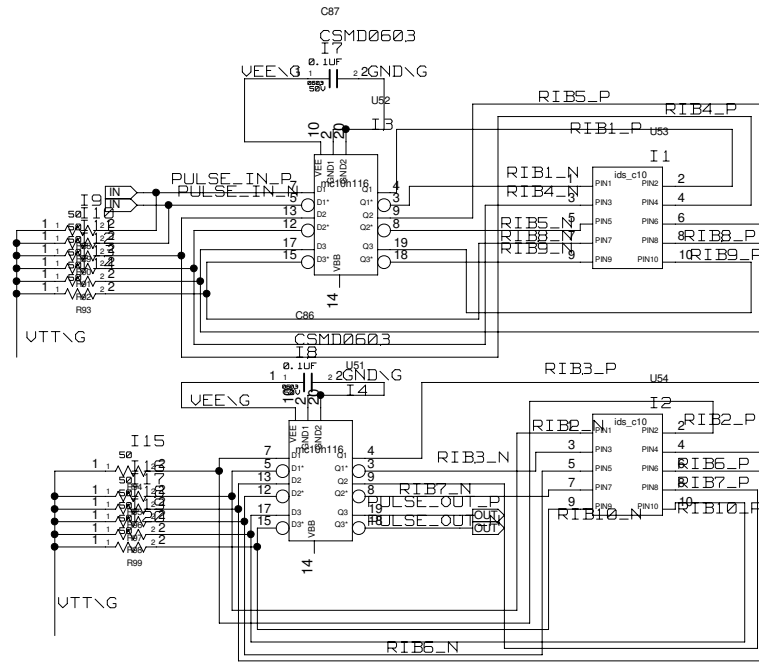
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PULSE_INVERTER



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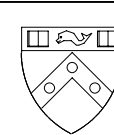
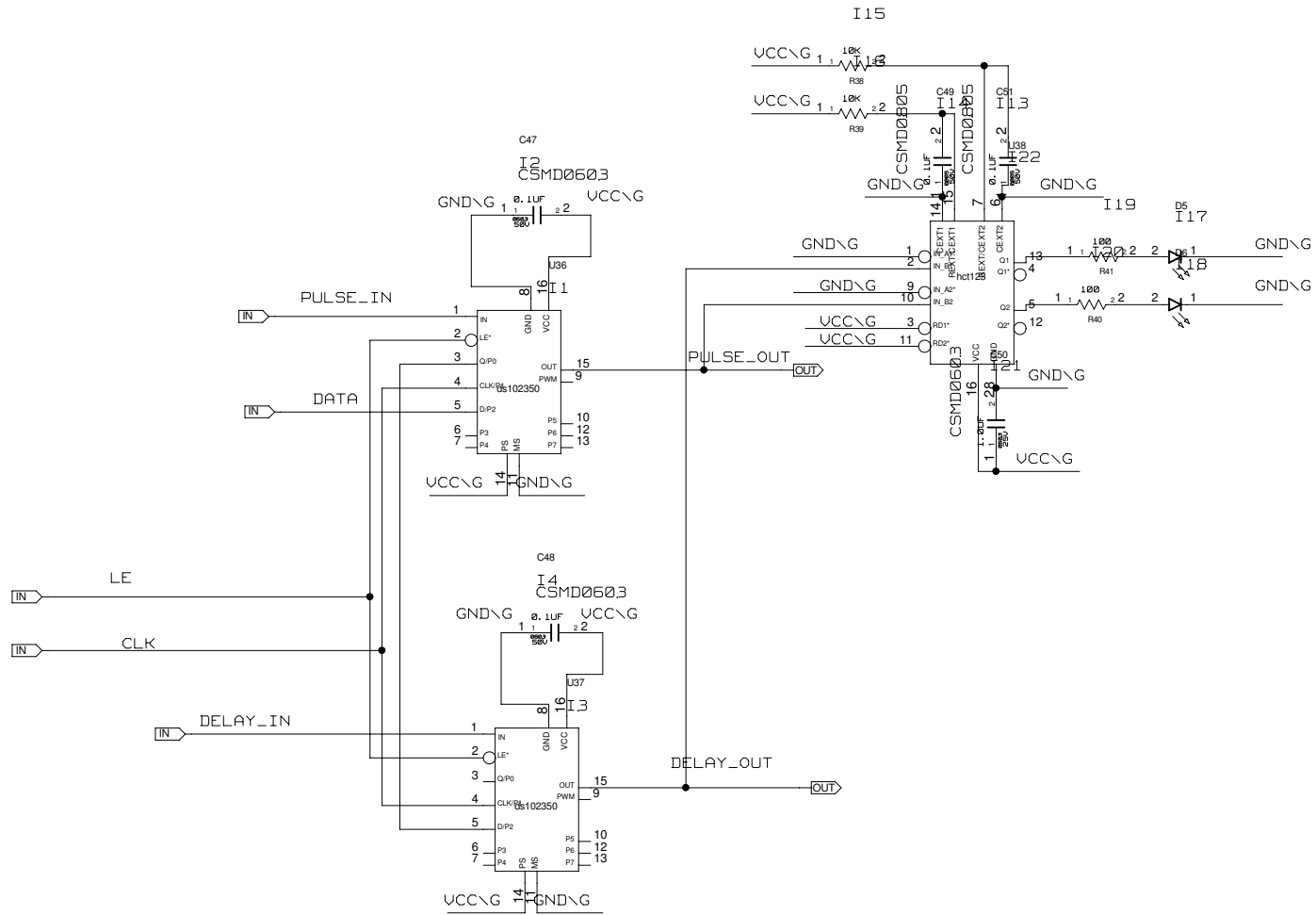
RIBBON DELAY



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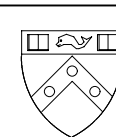
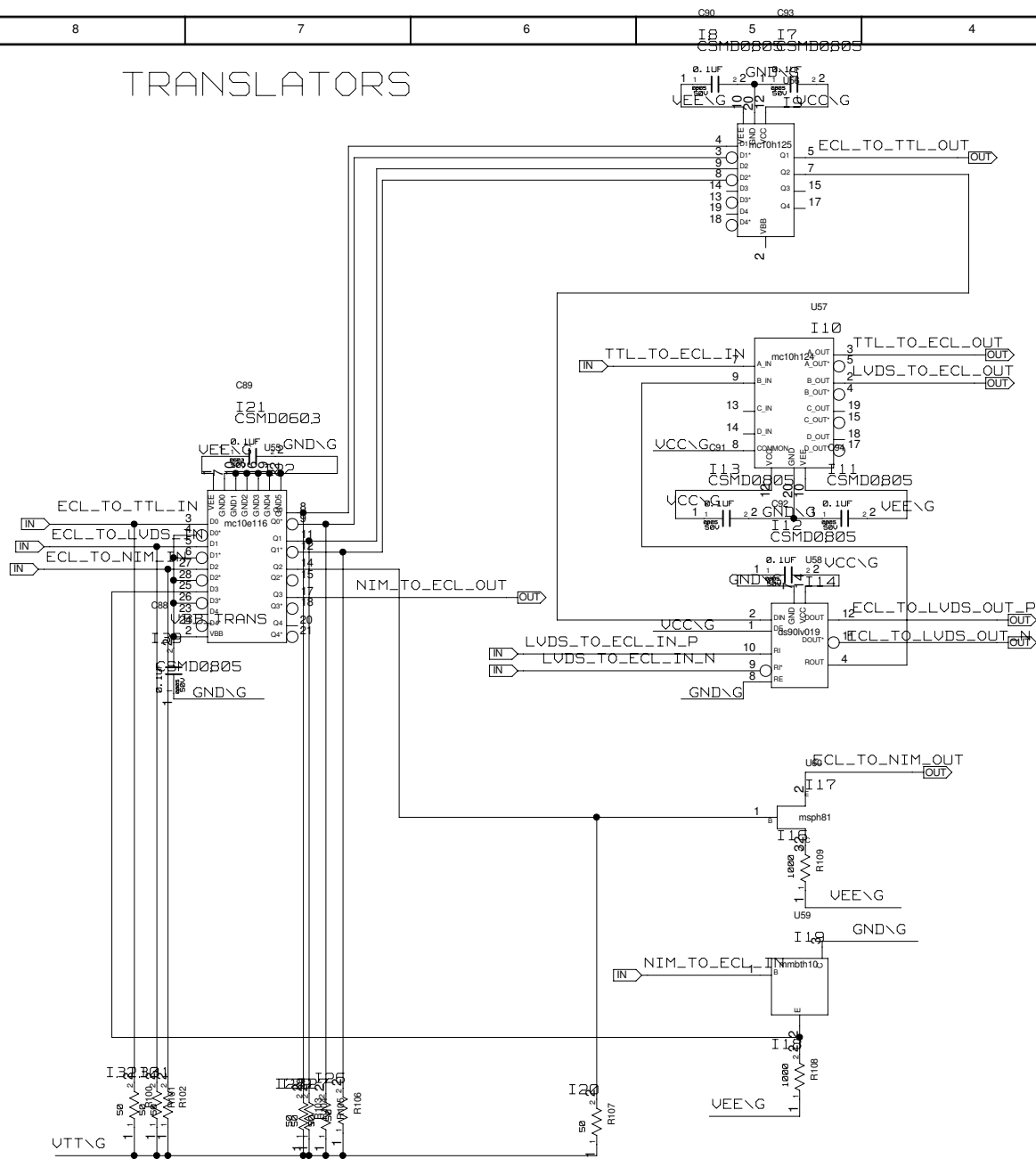
GENERIC DELAYS



UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS

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ENGINEER:	PAGE: BC

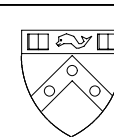
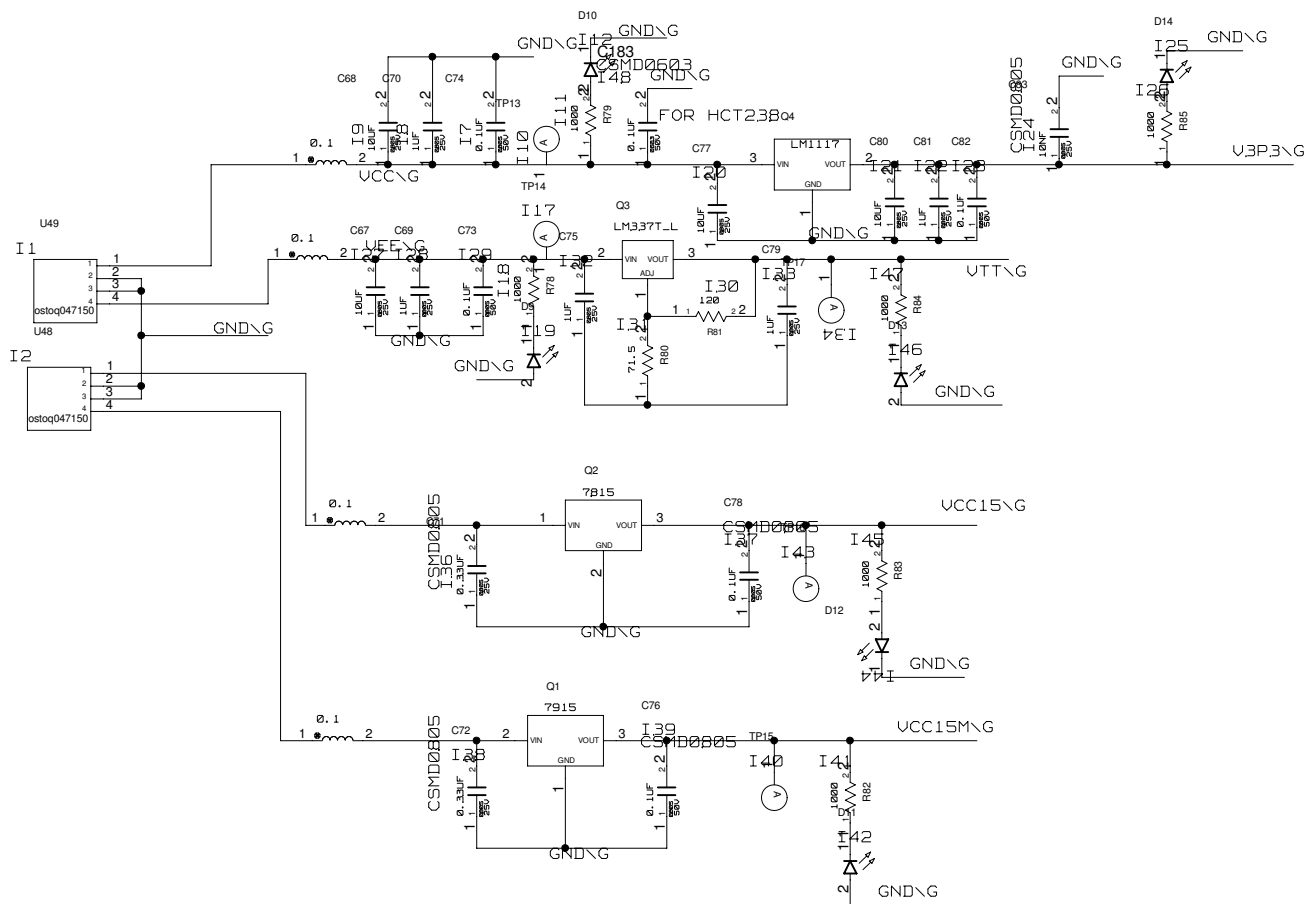
TRANSLATORS



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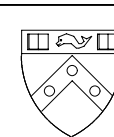
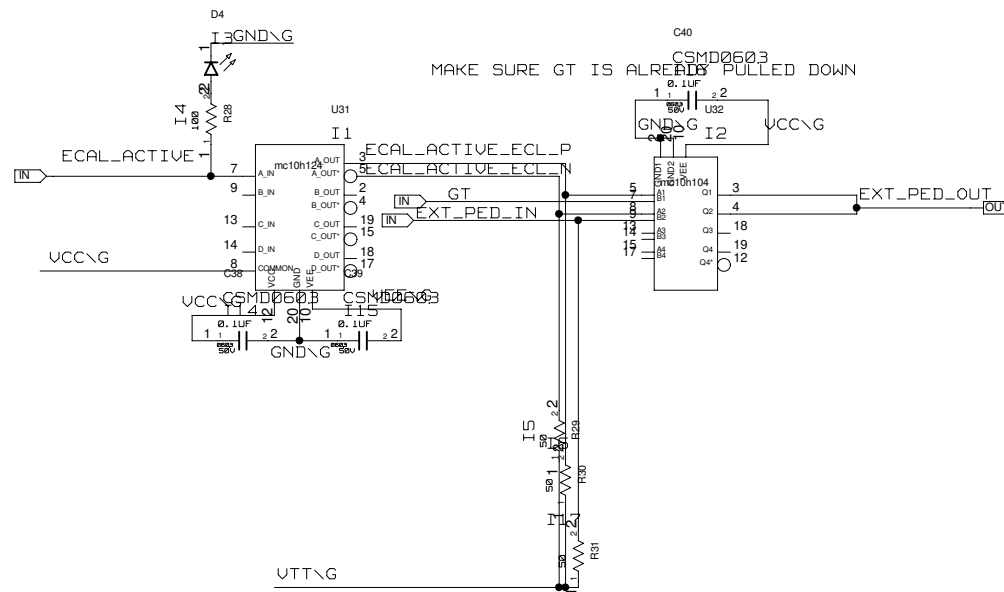
POWER



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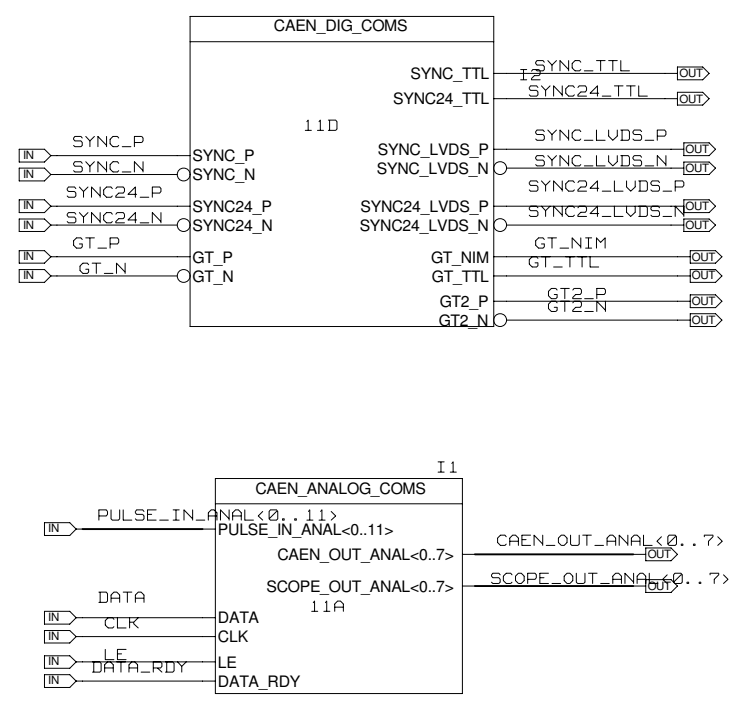
ECAL CONTROL



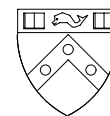
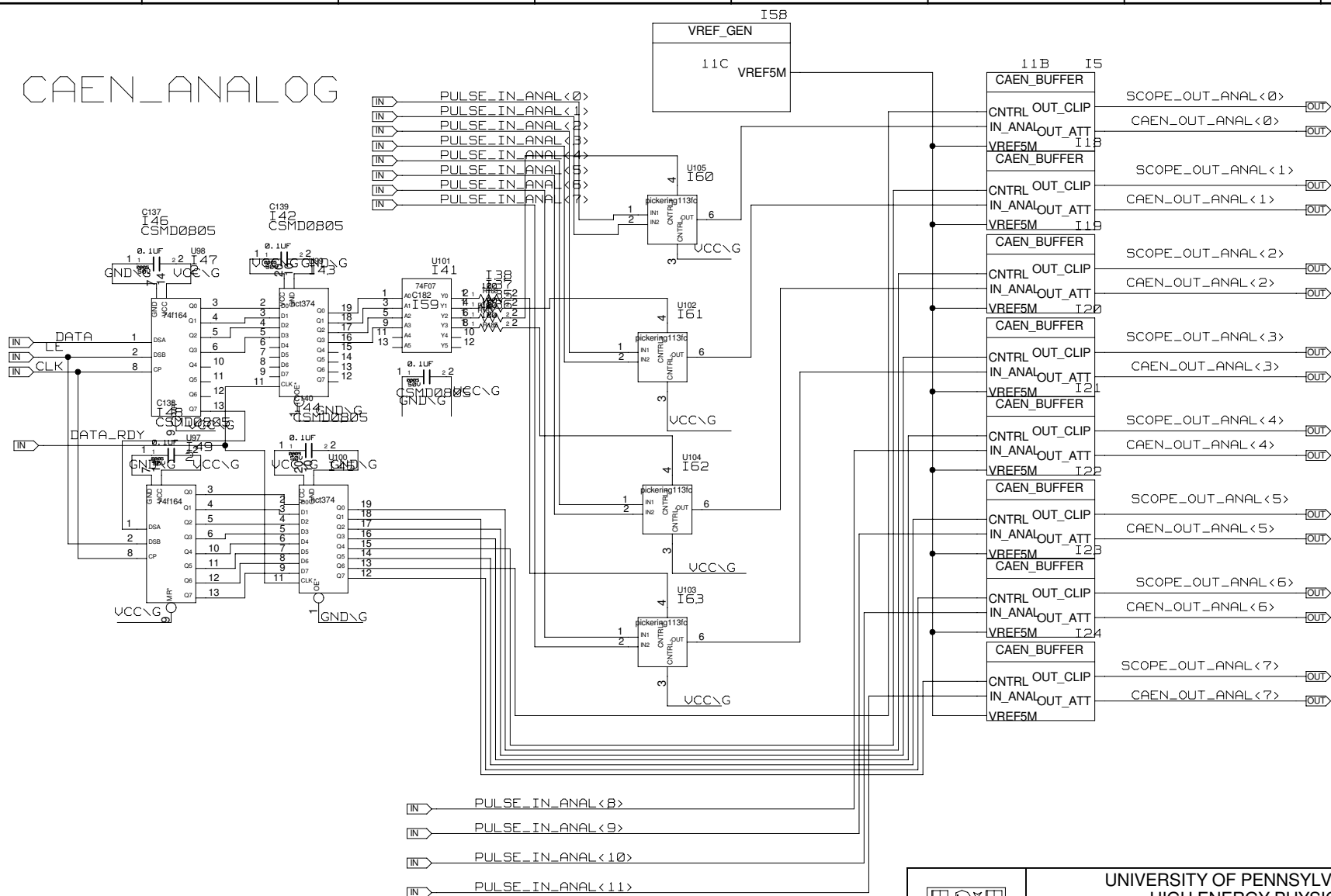
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CAEN COMMS



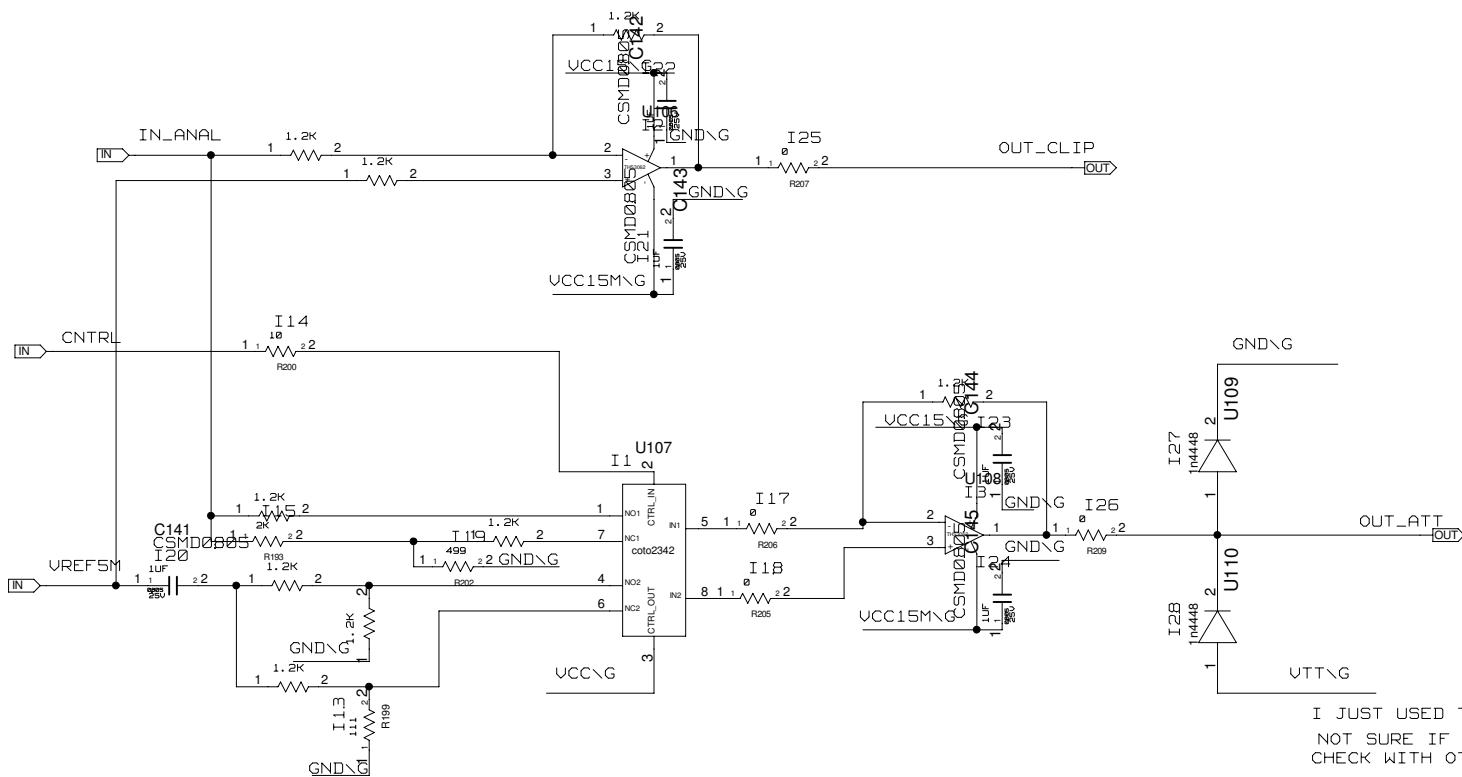
CAEN_ANALOG



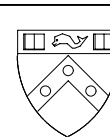
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CAEN BUFFER



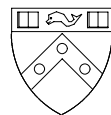
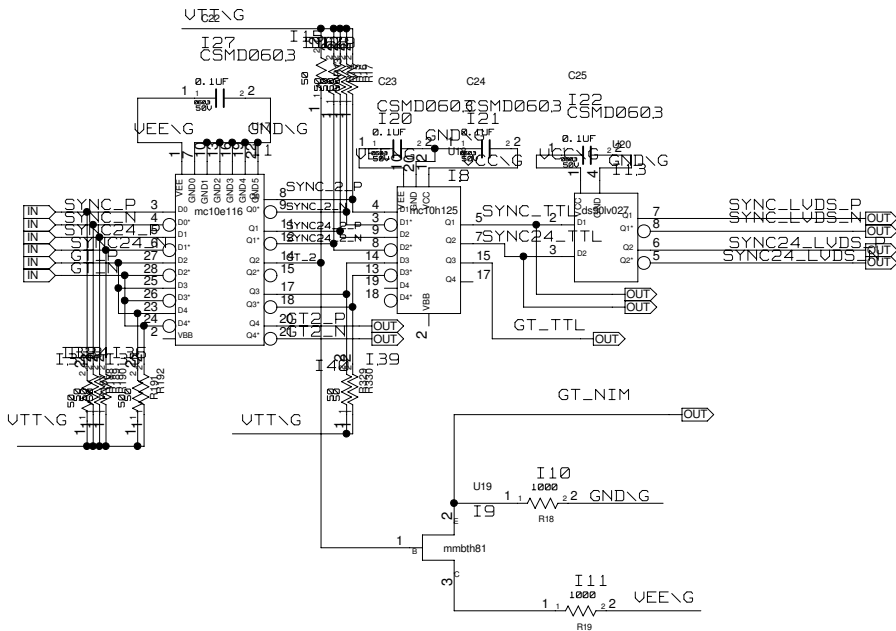
I JUST USED THIS FOR A -2V VALUE
NOT SURE IF GOOD IDEA.
CHECK WITH OTHER PEOPLE LATER



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HIGH ENERGY PHYSICS

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CAEN DIGITAL COMMS

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HIGH ENERGY PHYSICS

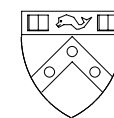
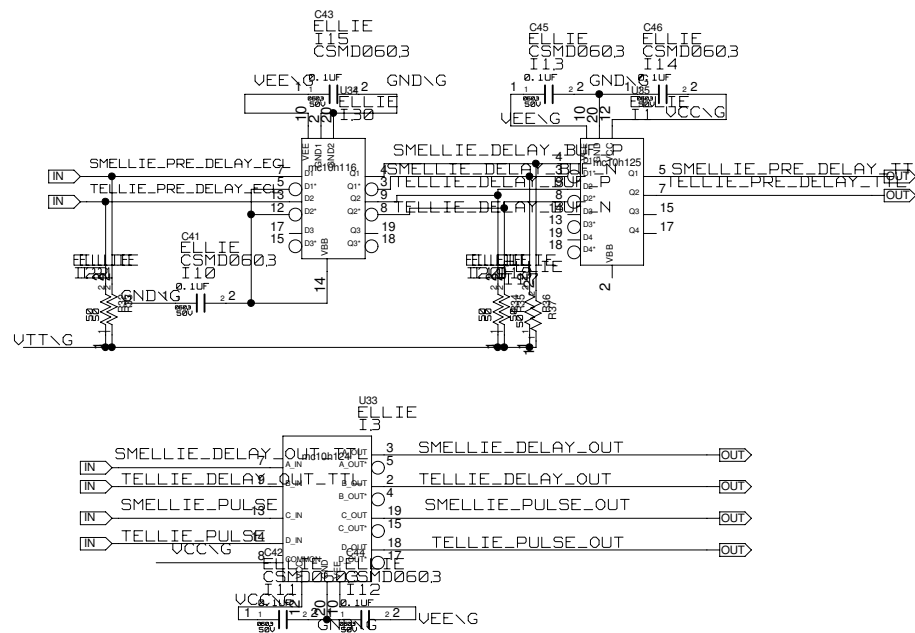
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DATE _____

ENGINEER:

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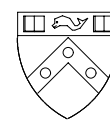
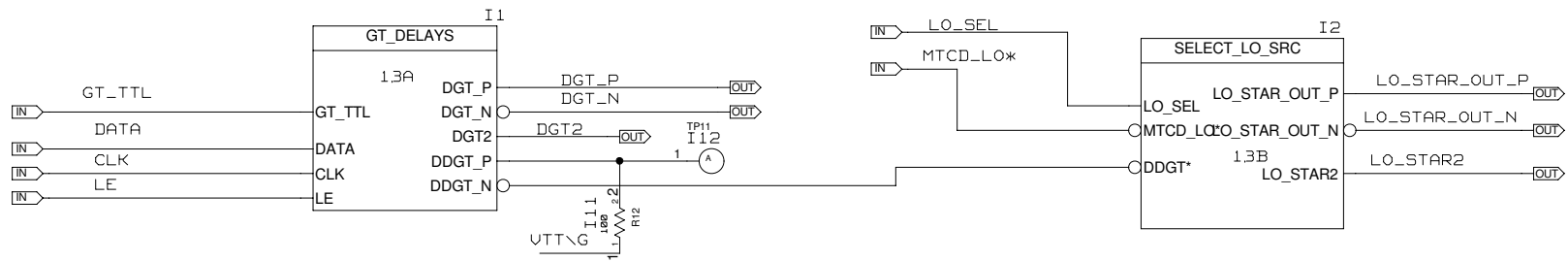
ELLIE COMMS



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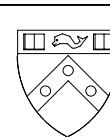
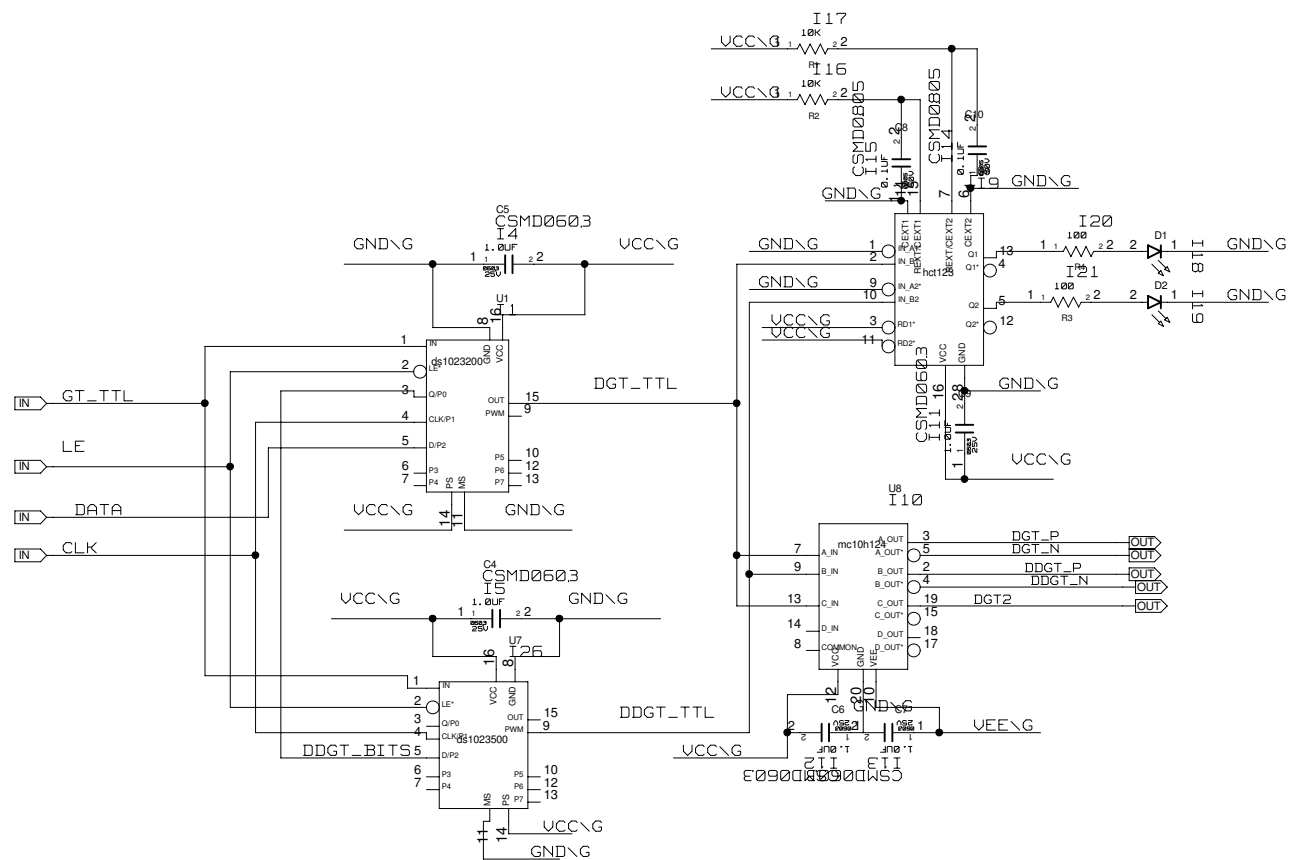
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LOCKOUT GENERATION

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HIGH ENERGY PHYSICS

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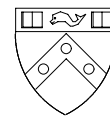
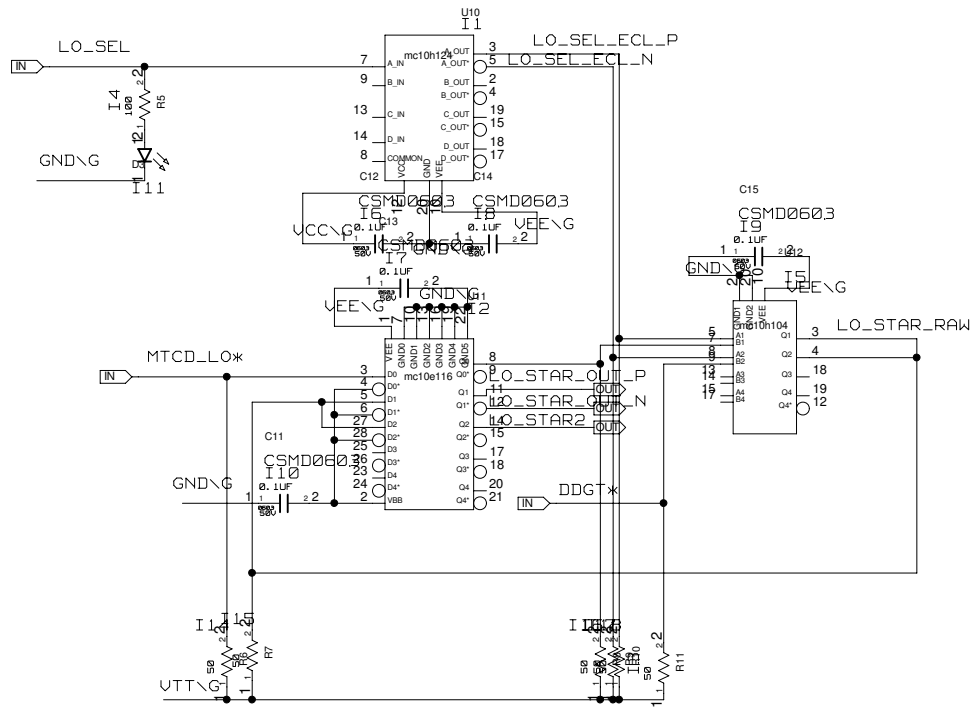
GLOBAL TRIGGER DELAYS



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SELECT LOCKOUT SOURCE



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TITLE:

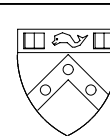
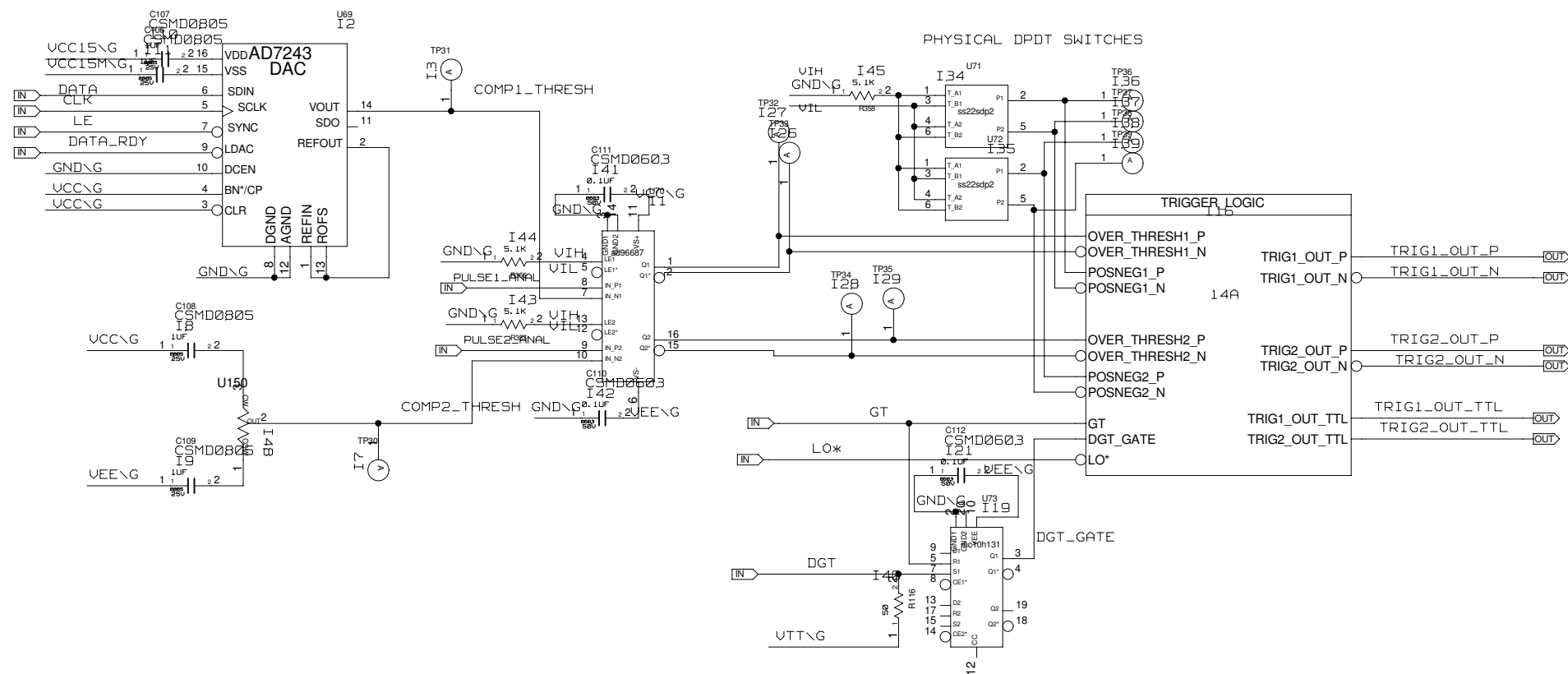
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1.3B

MTCA_MIMIC



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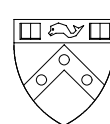
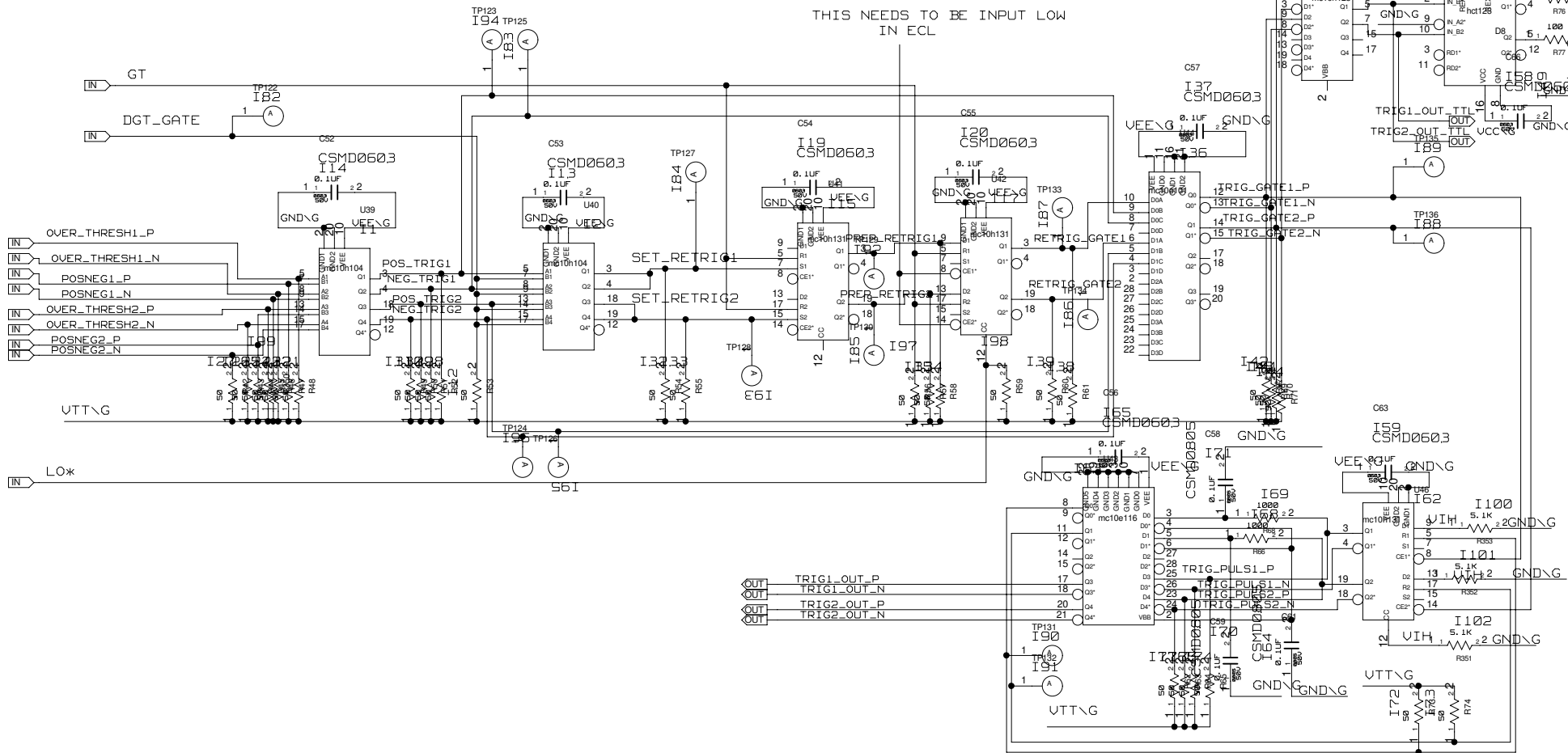
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MTCAL_MIMIC TRIGGER LOGIC

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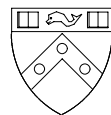
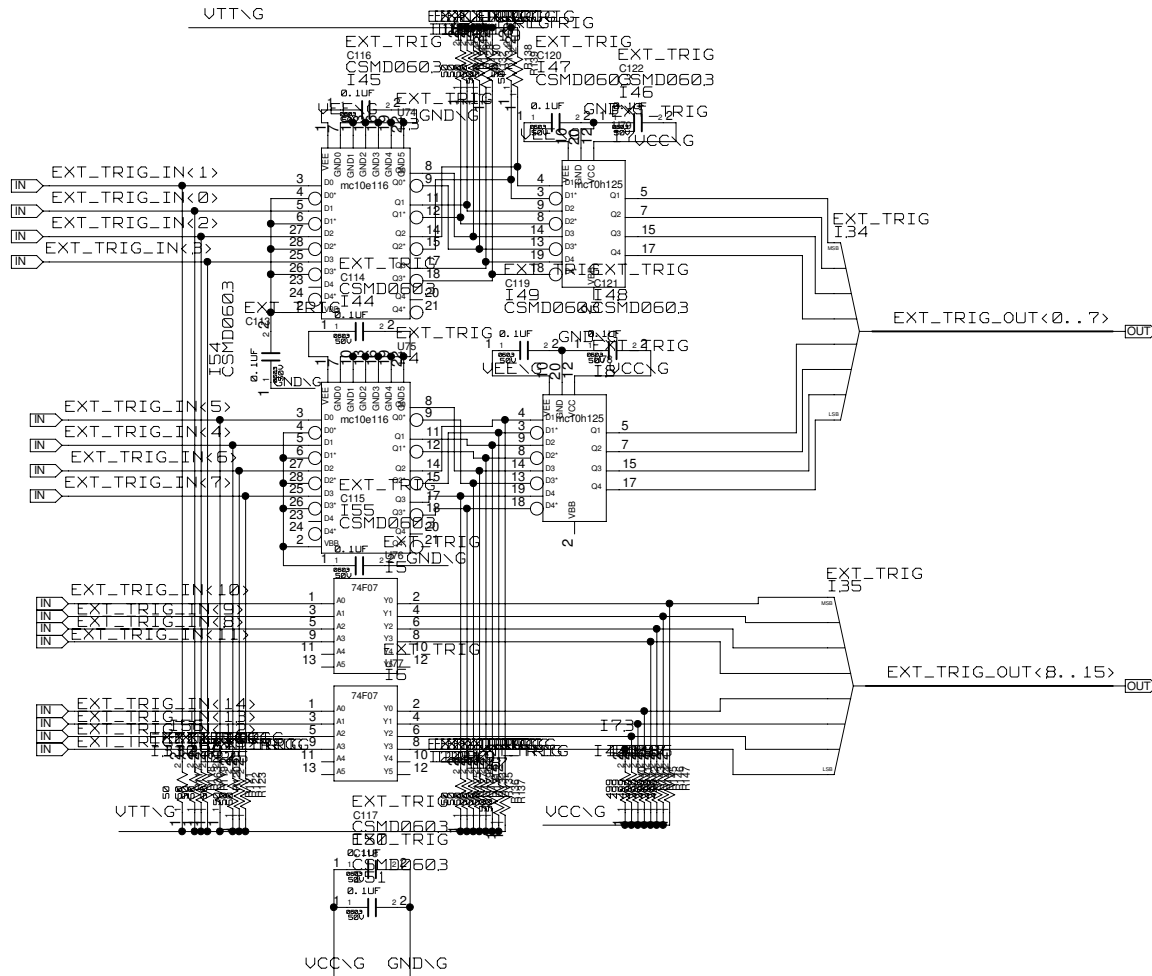
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EXTERNAL TRIGGERS IN

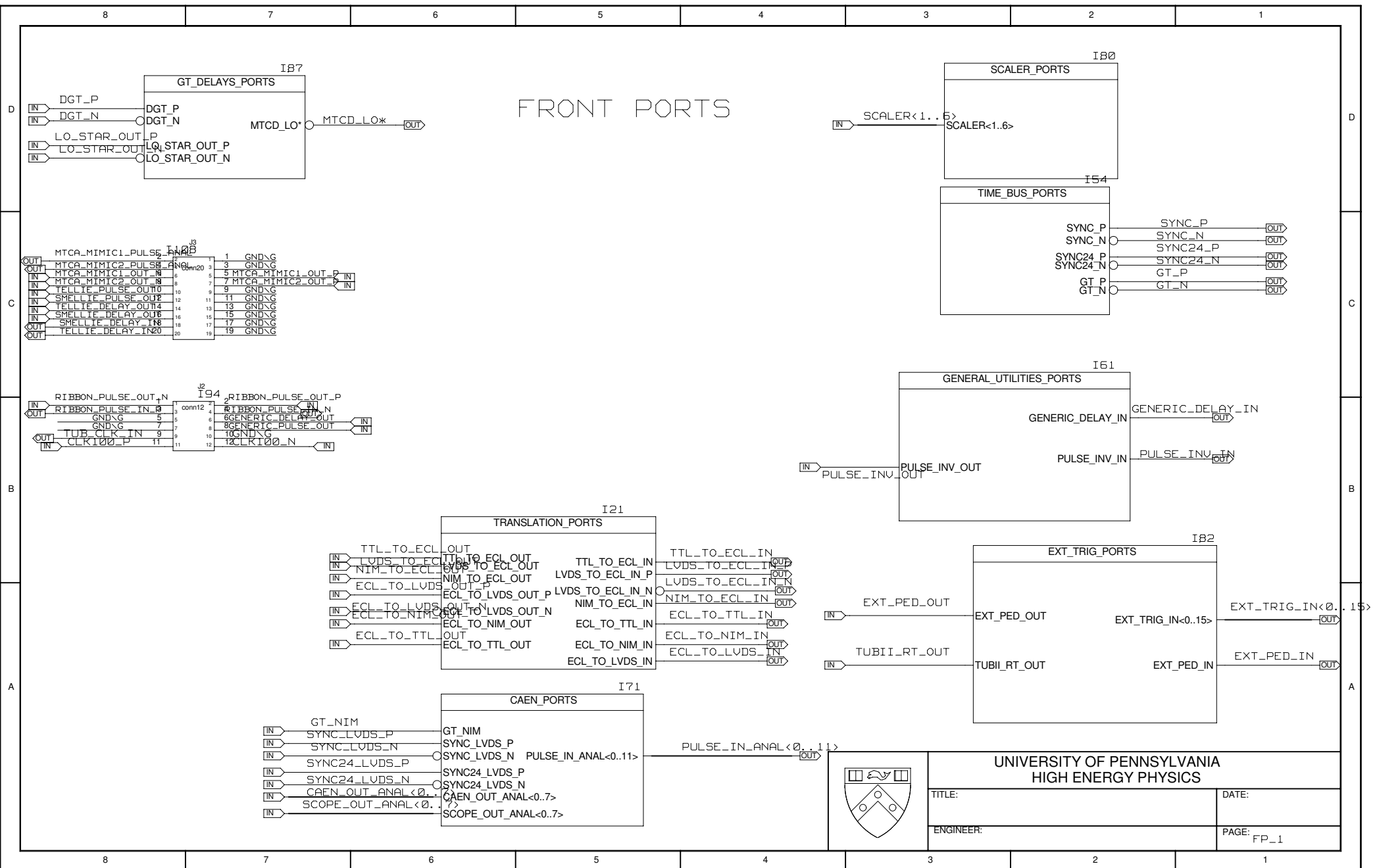
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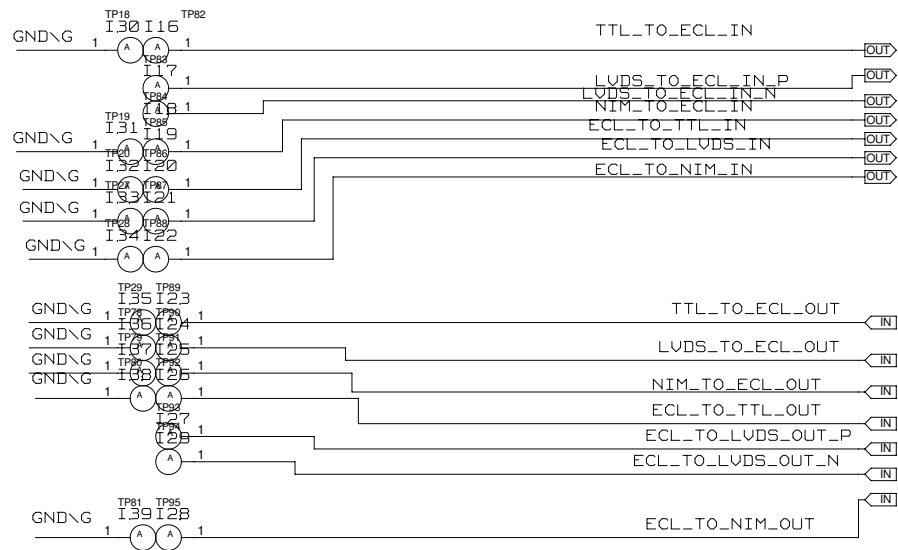
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TRANSLATION PORTS



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		ENGINEER: _____ PAGE: FP_2	

TIME BUS PORTS

U80

ids_c10

PIN1 PIN2 PIN3 PIN4 PIN5 PIN6 PIN7 PIN8 PIN9 PIN10

GT_P OUT

GT_N OUT

SYNC_P OUT

SYNC_N OUT

SYNC24_P OUT

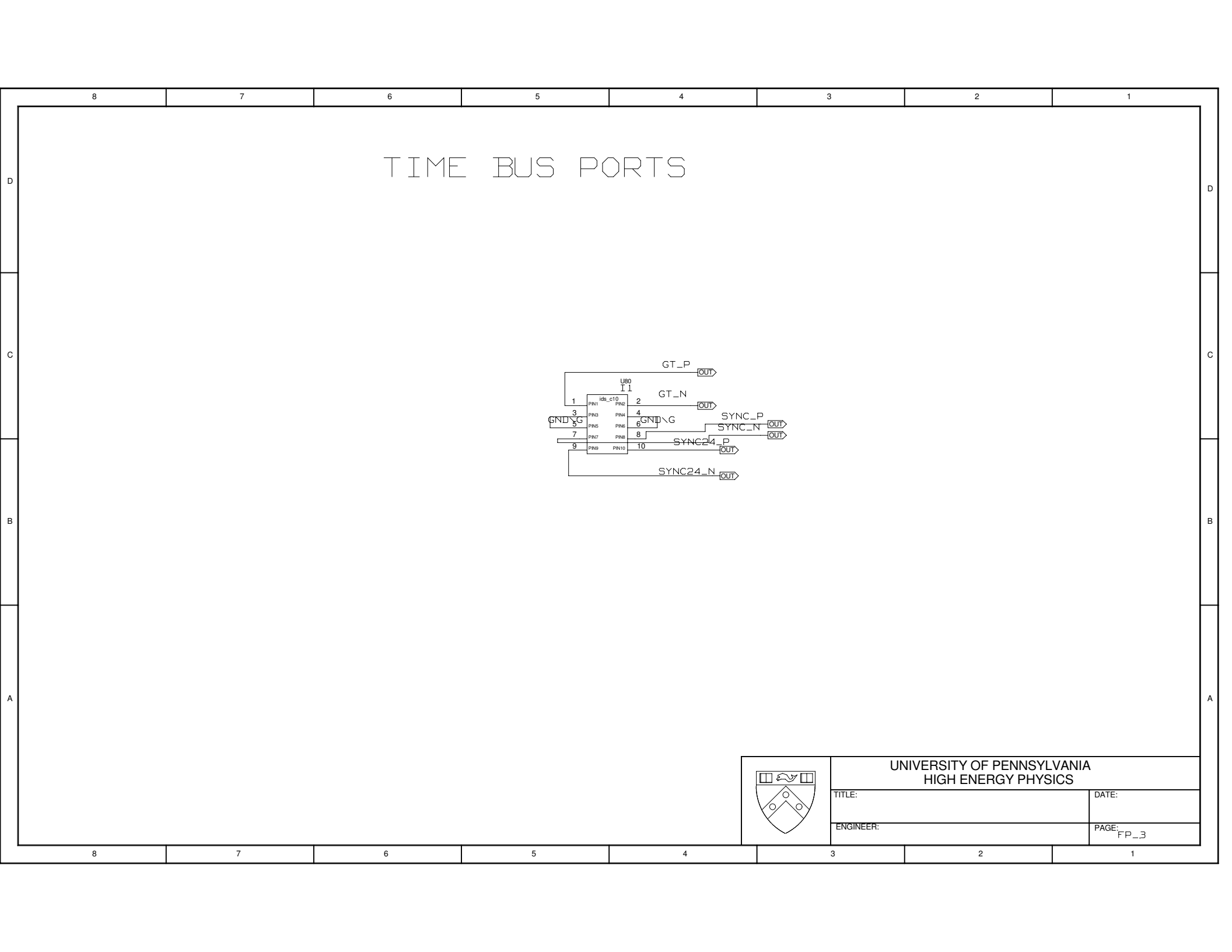
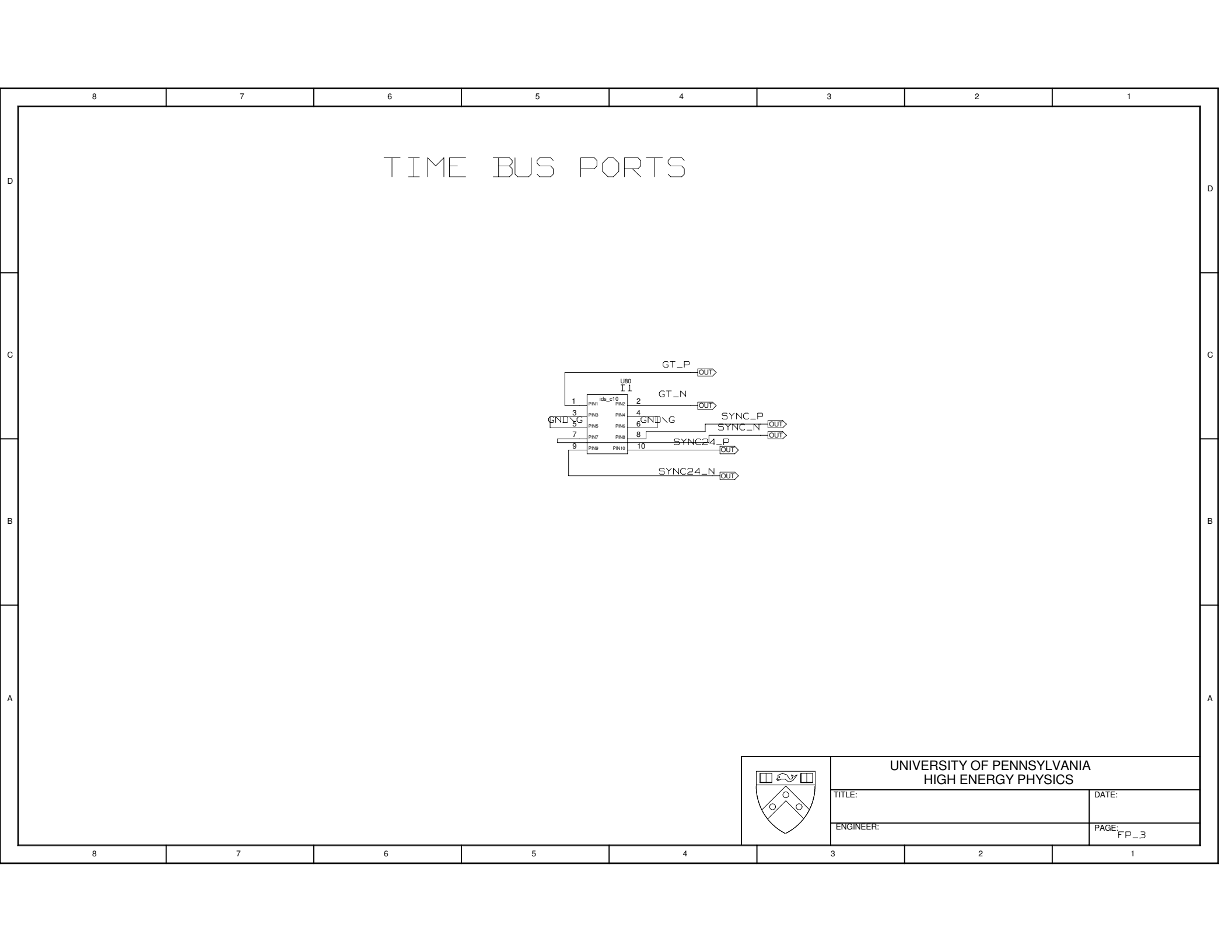
SYNC24_N OUT

GND

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HIGH ENERGY PHYSICS

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ENGINEER: PAGE: FP_3



TIME BUS PORTS

The diagram shows a 10-pin connector labeled U80. The pins are numbered 1 through 10. The connections are as follows:

- Pin 1: GT_P (OUT)
- Pin 2: GT_N (OUT)
- Pin 3: SYNC_P (OUT)
- Pin 4: SYNC_N (OUT)
- Pin 5: SYNC24_P (OUT)
- Pin 6: SYNC24_N (OUT)
- Pin 7: GND
- Pin 8: GND
- Pin 9: GND
- Pin 10: GND

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HIGH ENERGY PHYSICS

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TIME BUS PORTS

The diagram shows a 10-pin connector labeled U80. The pins are numbered 1 through 10. The connections are as follows:

- Pin 1: GT_P (OUT)
- Pin 2: GT_N (OUT)
- Pin 3: SYNC_P (OUT)
- Pin 4: SYNC_N (OUT)
- Pin 5: SYNC24_P (OUT)
- Pin 6: SYNC24_N (OUT)
- Pin 7: GND
- Pin 8: GND
- Pin 9: GND
- Pin 10: GND

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HIGH ENERGY PHYSICS

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TIME BUS PORTS

U80

ids_c10

PIN1 PIN2 PIN3 PIN4 PIN5 PIN6 PIN7 PIN8 PIN9 PIN10

GT_P OUT

GT_N OUT

SYNC_P OUT

SYNC_N OUT

SYNC24_P OUT

SYNC24_N OUT

GND

UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS

TITLE: DATE:

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TIME BUS PORTS

The diagram shows a 10-pin connector labeled U80. The pins are numbered 1 through 10. The connections are as follows:

- Pin 1: GT_P (OUT)
- Pin 2: GT_N (OUT)
- Pin 3: SYNC_P (OUT)
- Pin 4: SYNC_N (OUT)
- Pin 5: SYNC24_P (OUT)
- Pin 6: SYNC24_N (OUT)
- Pin 7: GND
- Pin 8: GND
- Pin 9: GND
- Pin 10: GND

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HIGH ENERGY PHYSICS

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TIME BUS PORTS

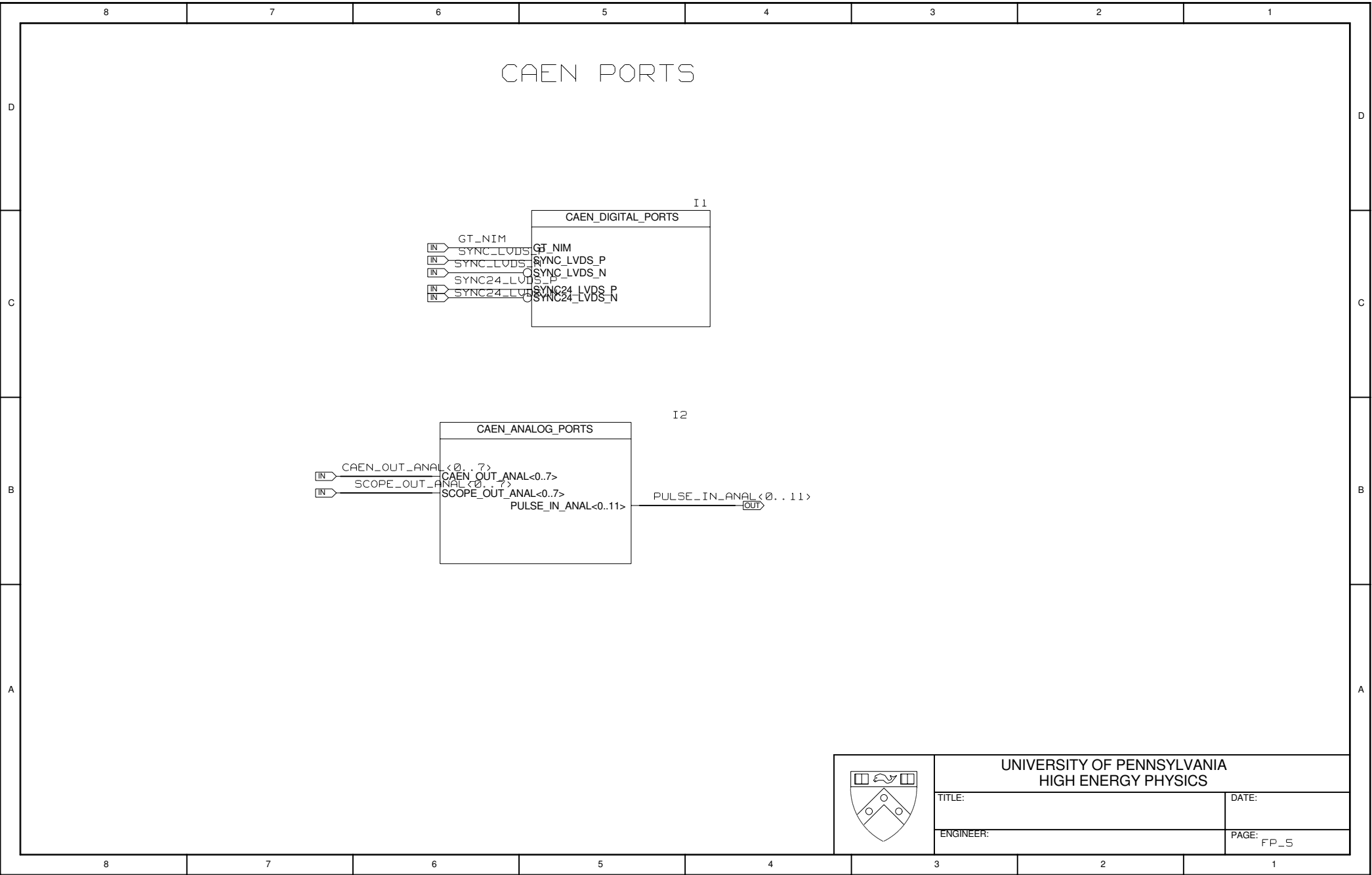
The diagram shows a 10-pin connector labeled U80. The pins are numbered 1 through 10. The connections are as follows:

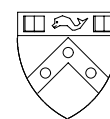
- Pin 1: GT_P (OUT)
- Pin 2: GT_N (OUT)
- Pin 3: SYNC_P (OUT)
- Pin 4: SYNC_N (OUT)
- Pin 5: SYNC24_P (OUT)
- Pin 6: SYNC24_N (OUT)
- Pin 7: GND
- Pin 8: GND
- Pin 9: GND
- Pin 10: GND

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TITLE: _____ DATE: _____

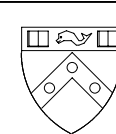
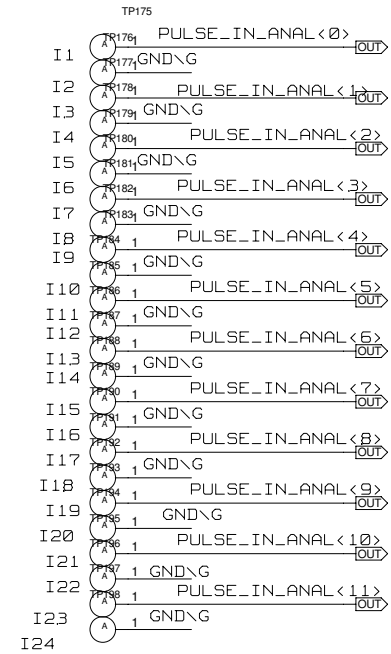
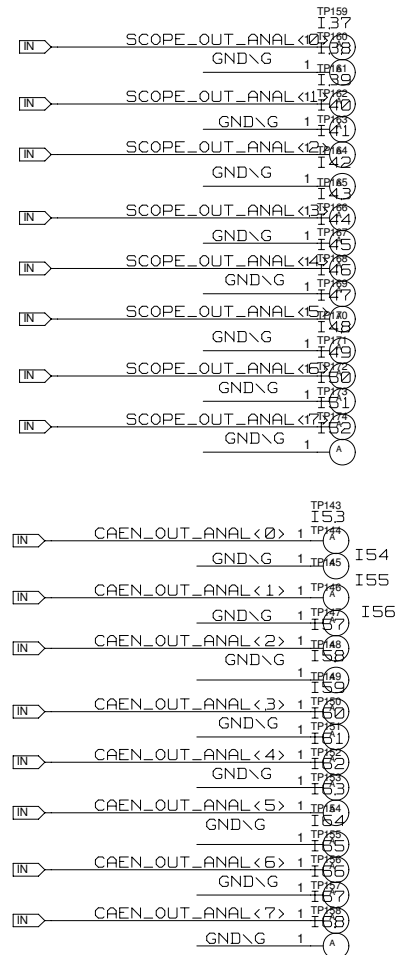
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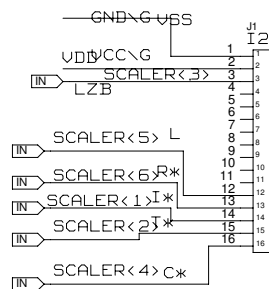
CAEN ANALOG PORTS




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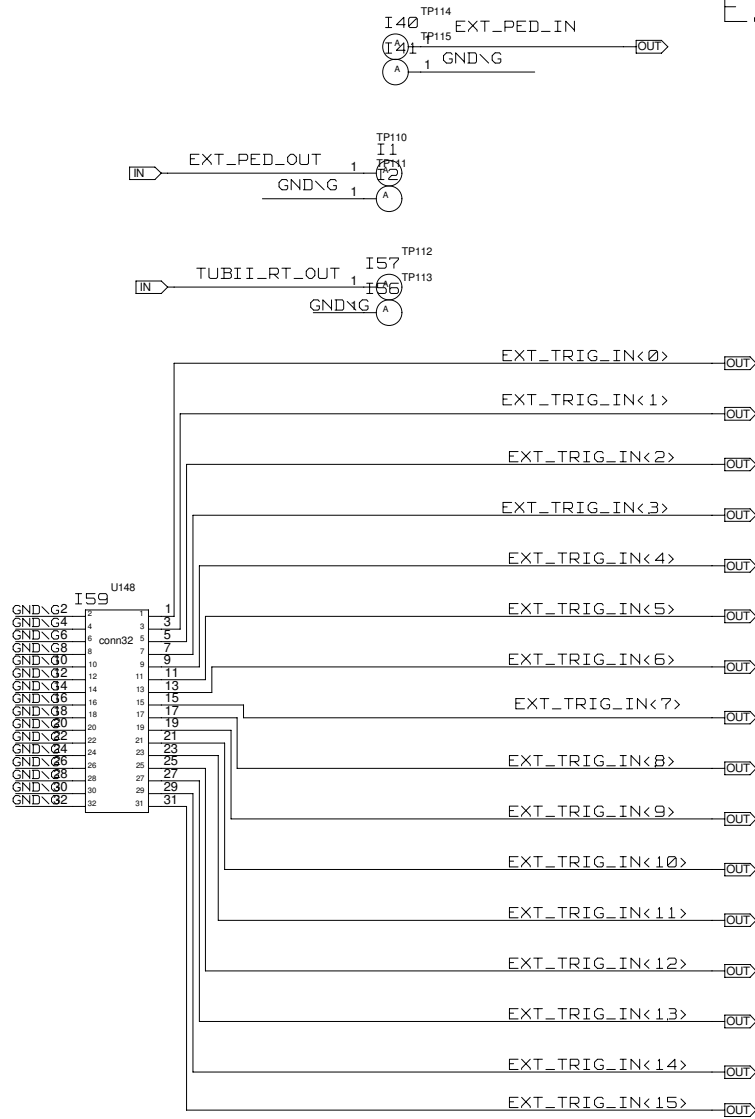
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ENGINEER:	PAGE:FP_5B


SCALER PORTS

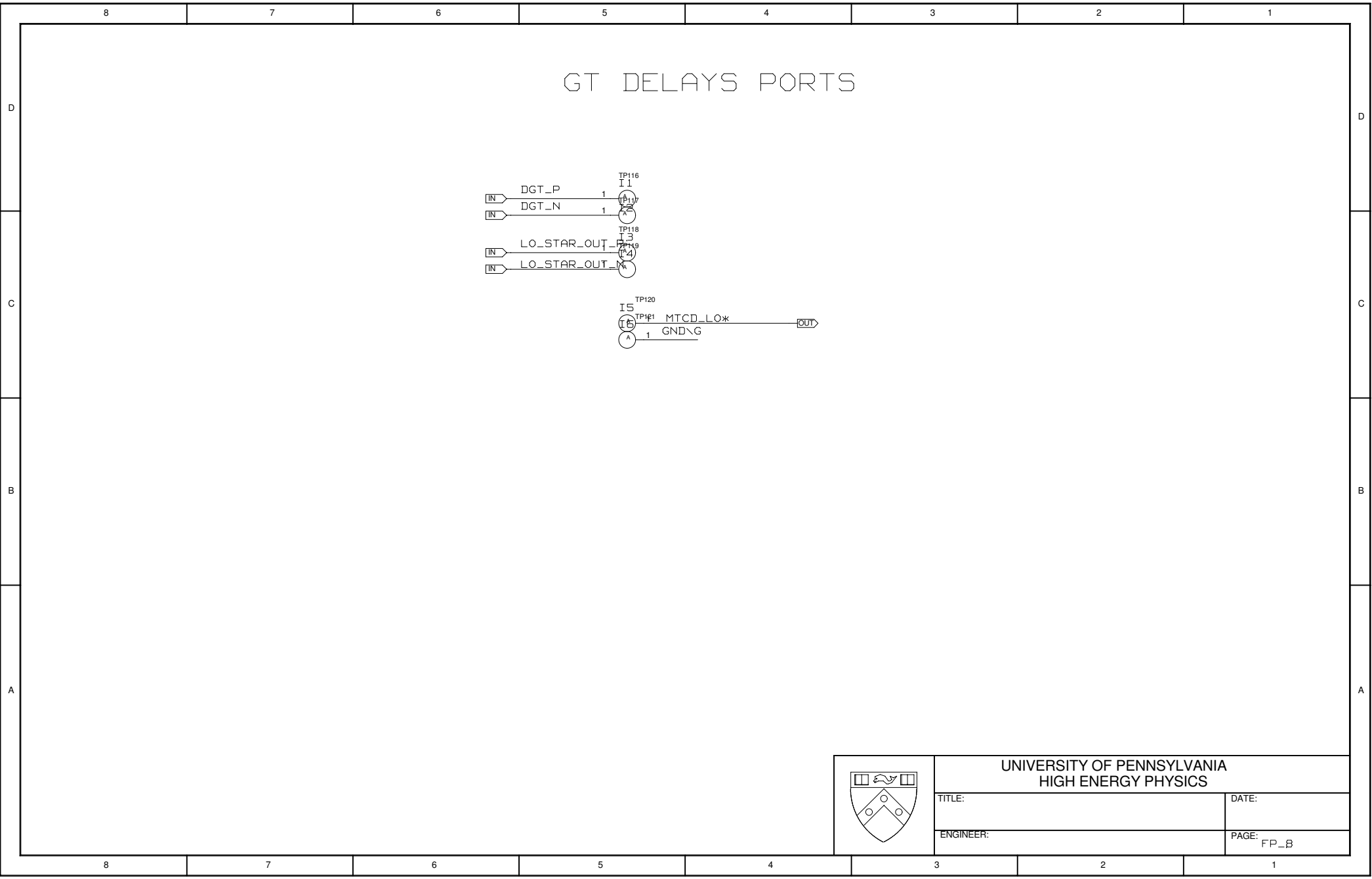


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EXTERNAL TRIGGERS PORTS



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BACK PORTS							
D							D
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B							B
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