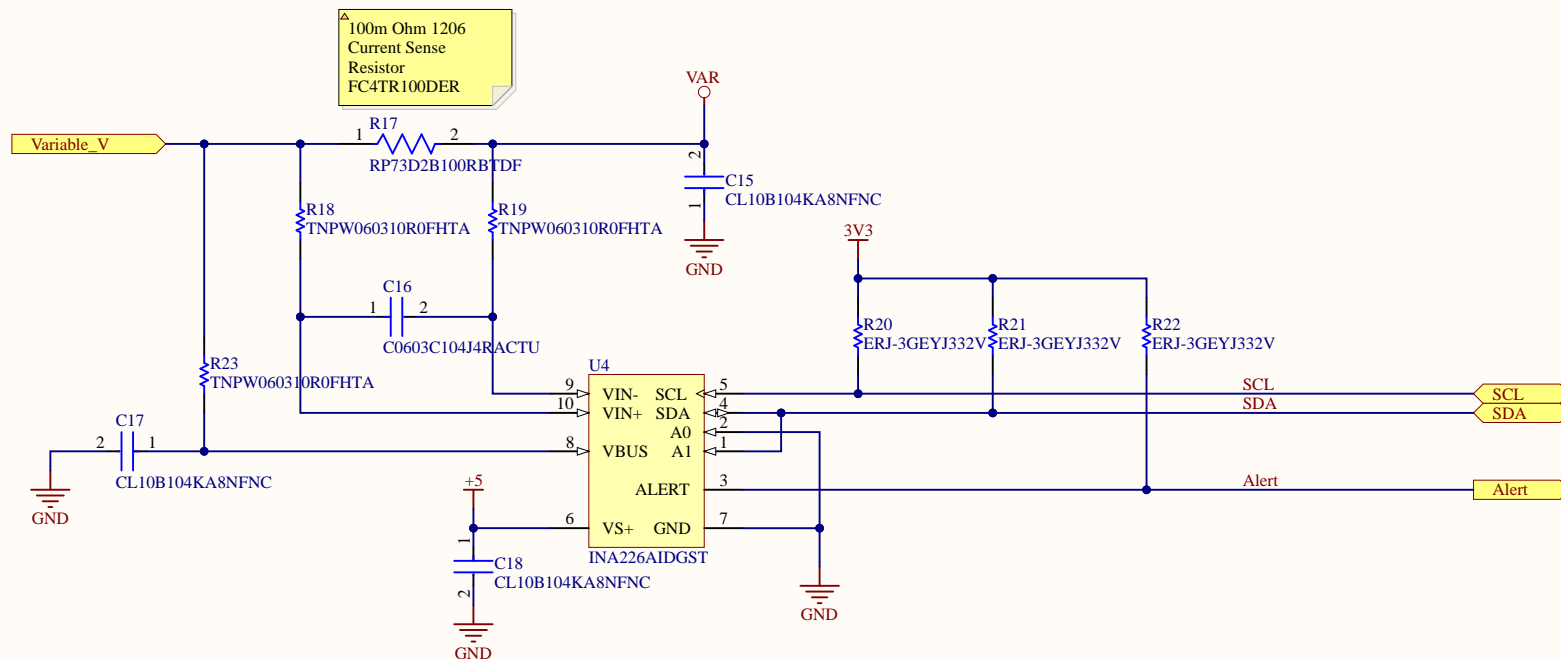
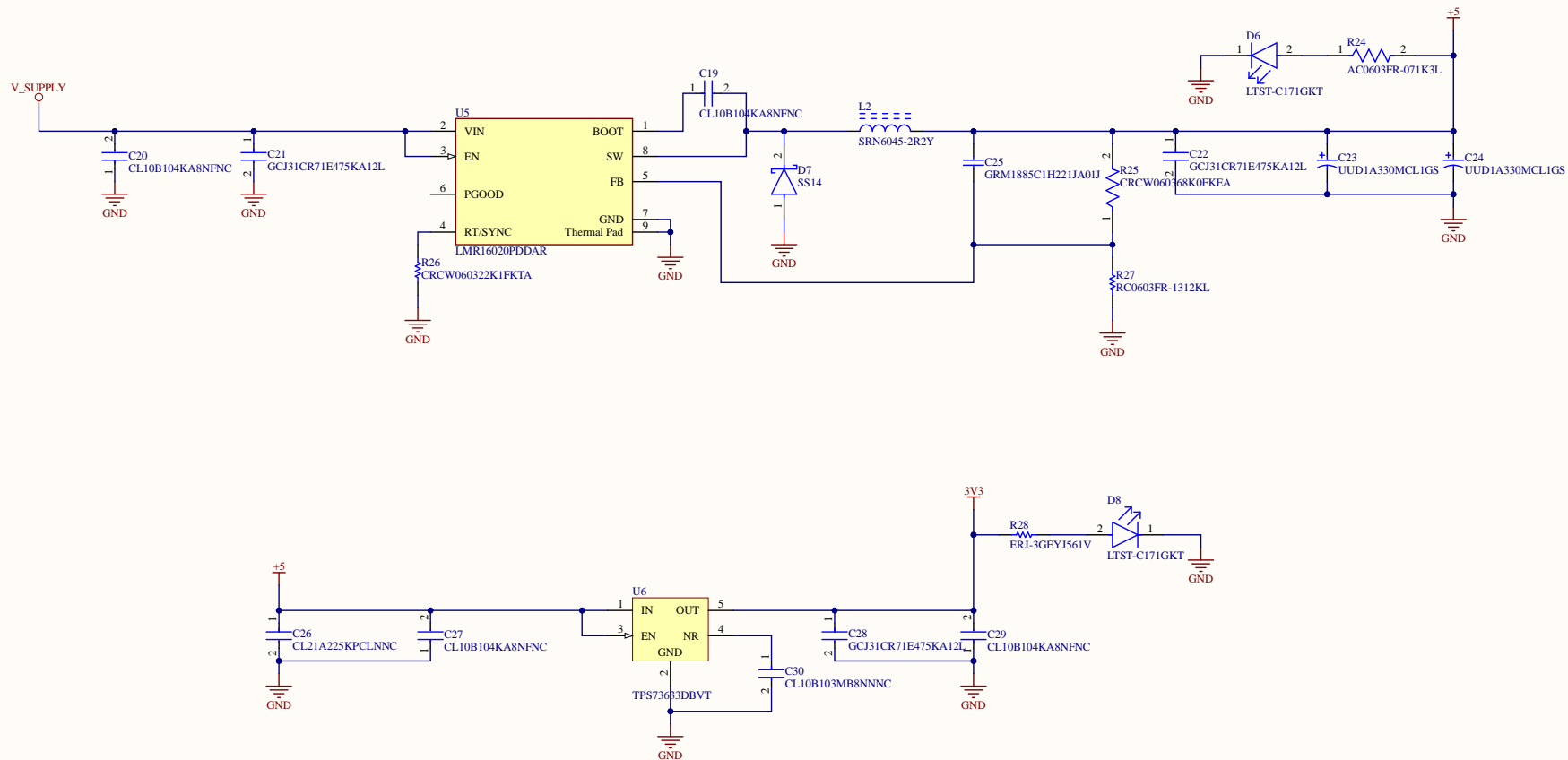


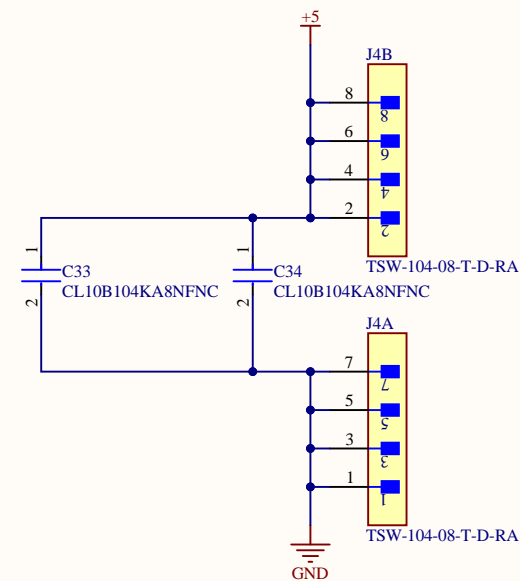
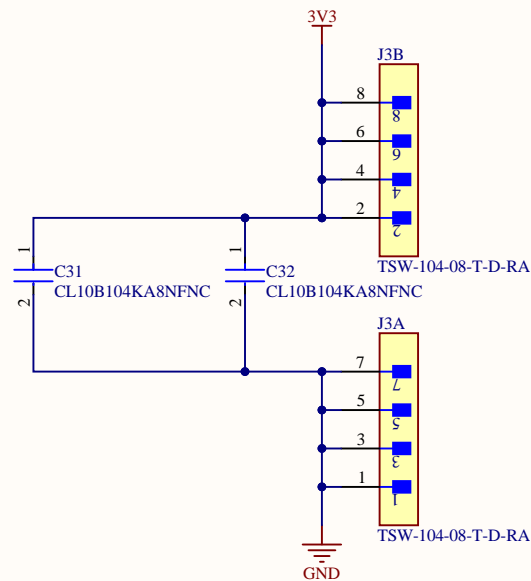
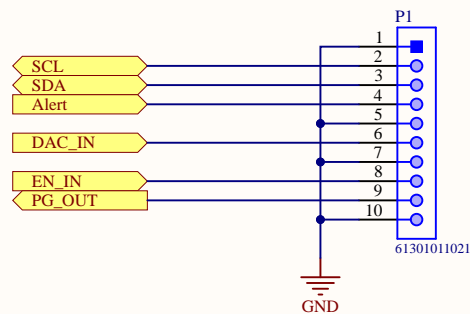
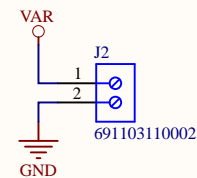
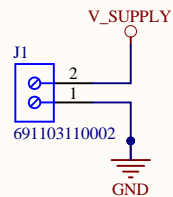
Title			
Size A3	Number		Revision
Date:	4-08-2021	Sheet of	
File:	\\...\programmablePS_SchDoc	Drawn By:	



Title		
Size A4	Number	Revision
Date:	4-08-2021	Sheet of
File:	\\..currentSense.SchDoc	Drawn By:



Title		
Size A3	Number	Revision
Date: 4-08-2021	Sheet of	
File: \\mainPS.SchDoc	Drawn By:	



Title		
Size A4	Number	Revision
Date:	4-08-2021	Sheet of
File:	\\.\Connections.SchDoc	Drawn By:

RELAY ANALYZER
POWER SUPPLY
VAR | 5V | 3V3

5V

3V3

V+ GND

LMR16020

MCP2641

INA226

THS54240

TPS73633

10

GND

PG

EN

GND

DAC

GND

SCI

SDA

ALERT

GND

P1

GND

15V

J1

C8

R3

R11

R10

VREF

U1

C1

D4

L1

C9

R5

C10

R2

R8

R9

C5

R6

R7

C6

C17

R23

C3

D2

C18

R18

R19

C15

C16

R17

C8

J2

V+

GND

J3

C31

C32

C34

J4

C24

C28

C27

U6

C29

R20

R21

R22

8D

D6

D5

D1

VIN

PWR

GOOD

C12

R26

U2

R13

R25

C25

L2

D7

C19

U5

C21

C20

PG

EN

GND

DAC

GND

SCI

SDA

ALERT

GND

P1

GND

15V

J1

VREF

U1

C1

D4

L1

C9

R5

C10

R2

R8

R9

C5

R6

R7

C6

C17

R23

C3

D2

C18

R18

R19

C15

C16

R17

C8

J2

V+

GND

J3

C31

C32

C34

J4

C24

C28

C27

U6

C29

R20

R21

R22

8D

D6

D5

D1

VIN

PWR

GOOD

C12

R26

U2

R13

R25

C25

L2

D7

C19

U5

C21

C20

PG

EN

GND

DAC

GND

SCI

SDA

ALERT

GND

P1

GND

15V

J1

VREF

U1

C1

D4

L1

C9

R5

C10

R2

R8

R9

C5

R6

R7

C6

C17

R23

C3

D2

C18

R18

R19

C15

C16

R17

C8

J2

V+

GND

J3

C31

C32

C34

J4

C24

C28

C27

U6

C29

R20

R21

R22

8D

D6

D5

D1

VIN

PWR

GOOD

C12

R26

U2

R13

R25

C25

L2

D7

C19

U5

C21

C20

PG

EN

GND

DAC

GND

SCI

SDA

ALERT

GND

P1

GND

15V

J1

VREF

U1

C1

D4

L1

C9

R5

C10

R2

R8

R9

C5

R6

R7

C6

C17

R23

C3

D2

C18

R18

R19

C15

C16

R17

C8

J2

V+

GND

J3

C31

C32

C34

J4

C24

C28

C27

U6

C29

R20

R21

R22

8D

D6

D5

D1

VIN

PWR

GOOD

C12

R26

U2

R13

R25

C25

L2

D7

C19

U5

C21

C20

PG

EN

GND

DAC

GND

SCI

SDA

ALERT

GND

P1

GND

15V

J1

VREF

U1

C1

D4

L1

C9

R5

C10

R2

R8

R9

C5

R6

R7

C6

C17

R23

C3

D2

C18

R18

R19

C15

C16

R17