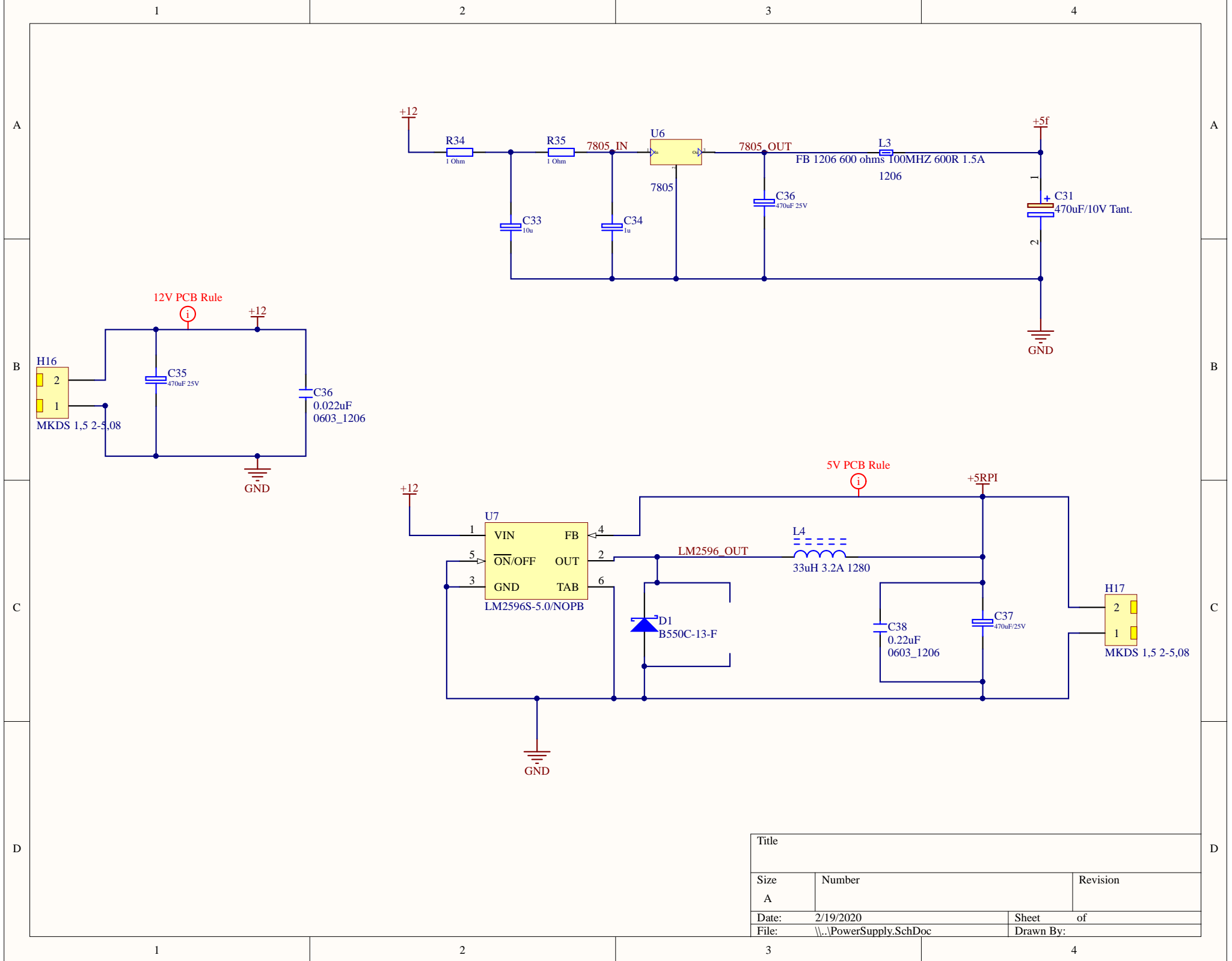


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File:	\\..\\MAX3232.SchDoc	Drawn By:



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Date:	2/19/2020	Sheet of
File:	\\..PowerSupply.SchDoc	Drawn By:

A

A

B

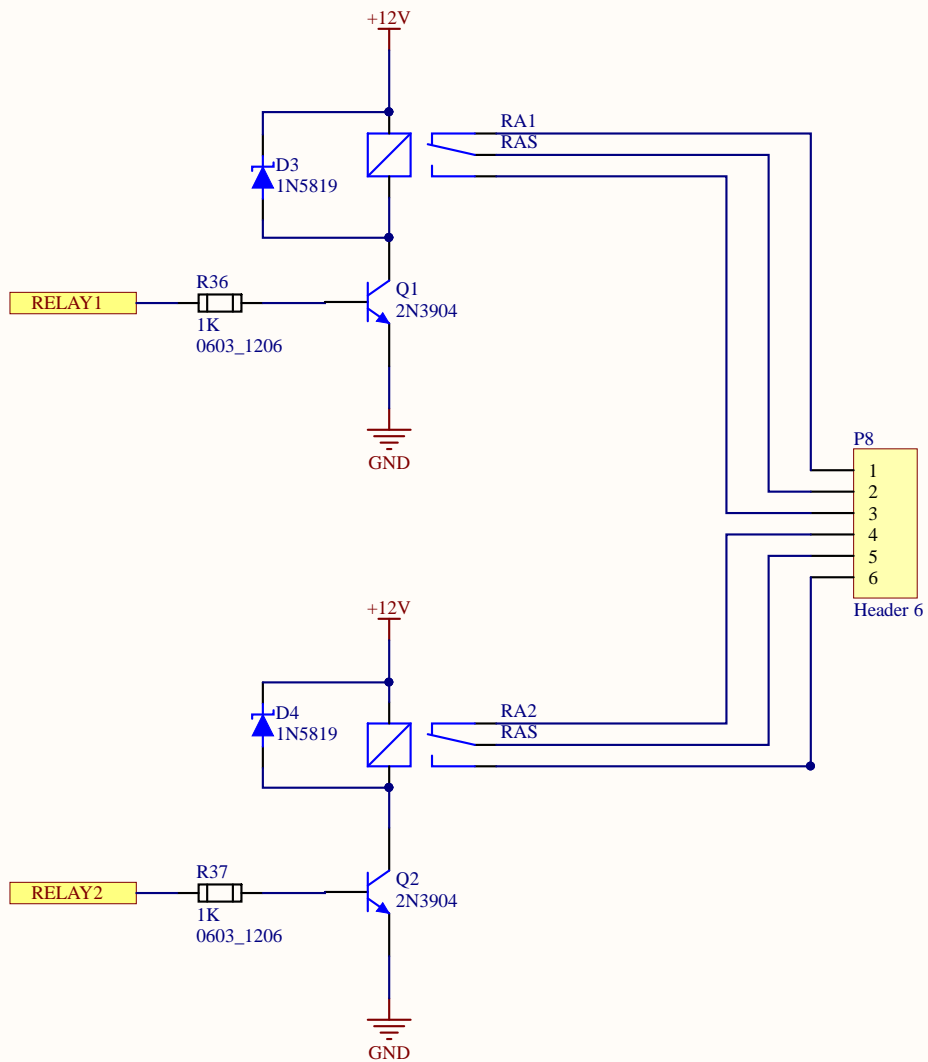
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C

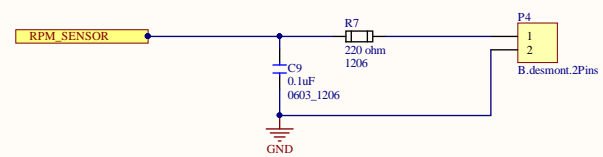
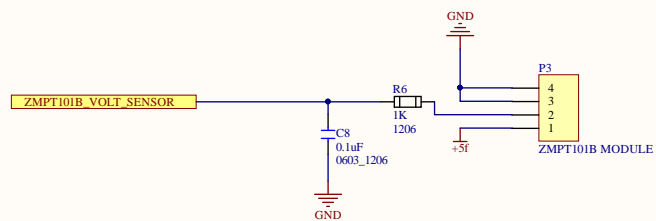
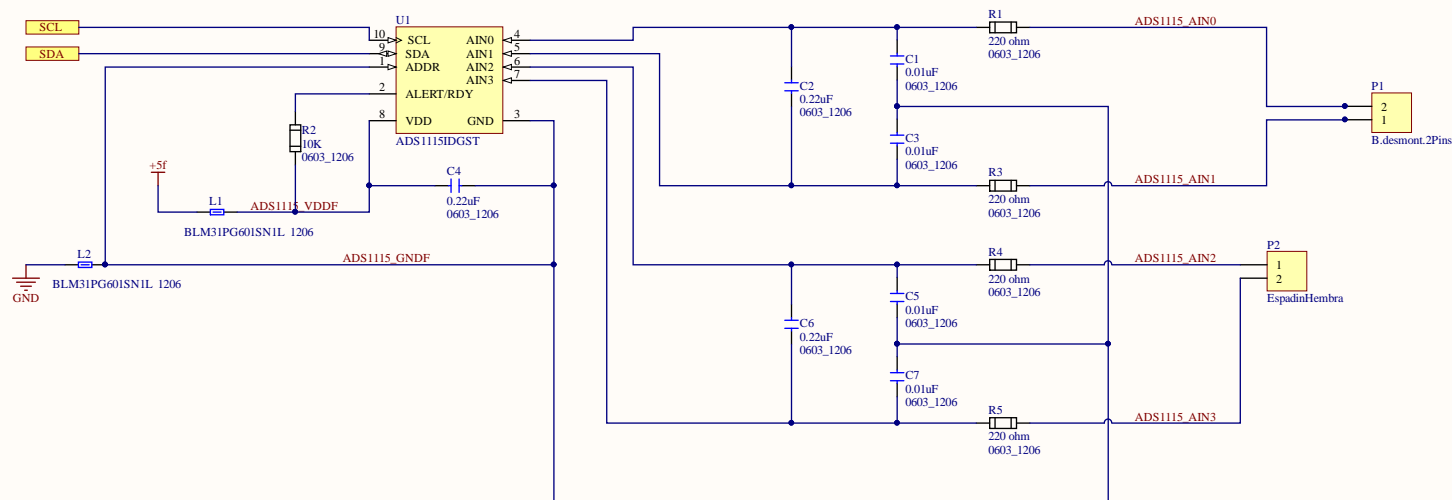
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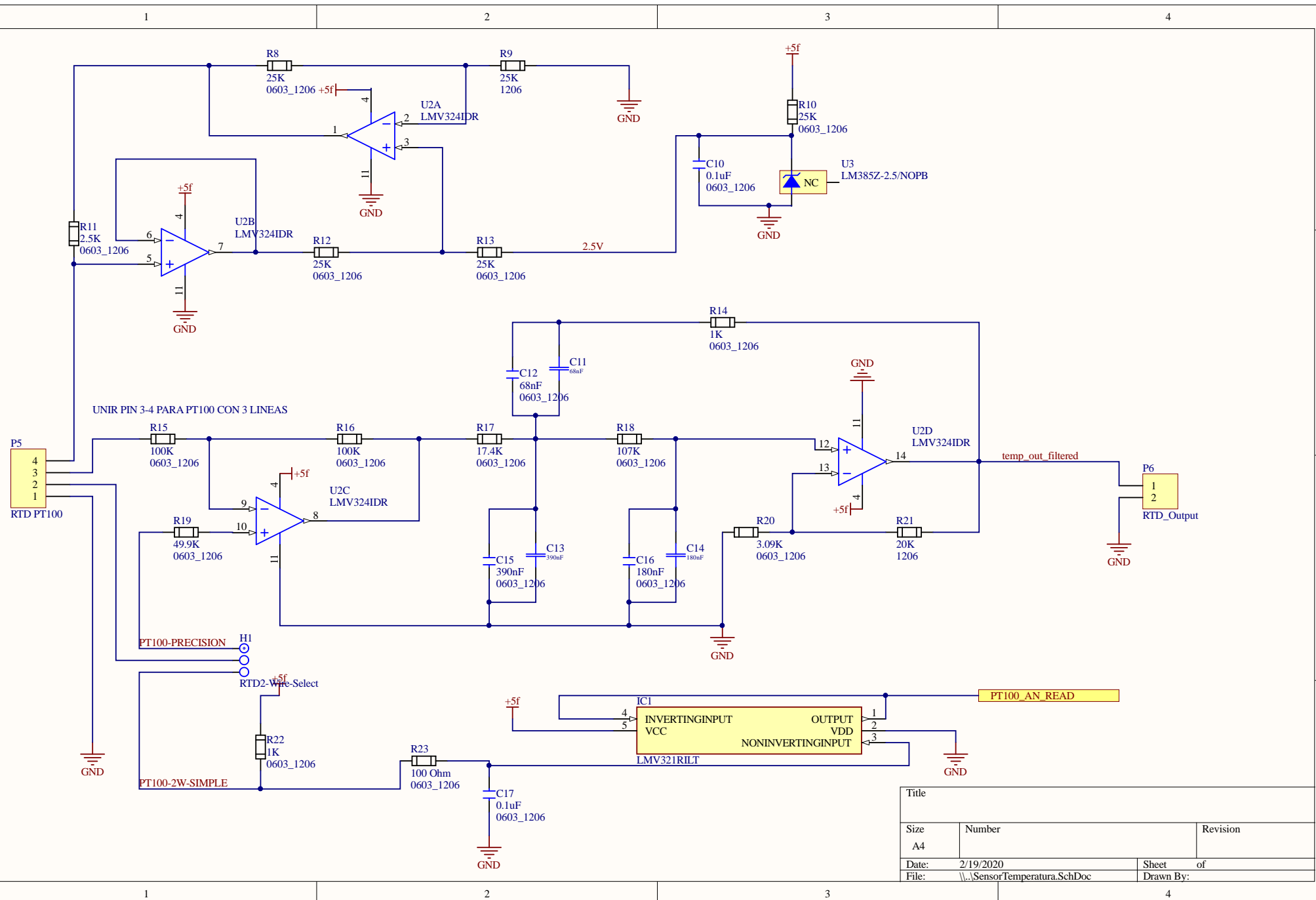
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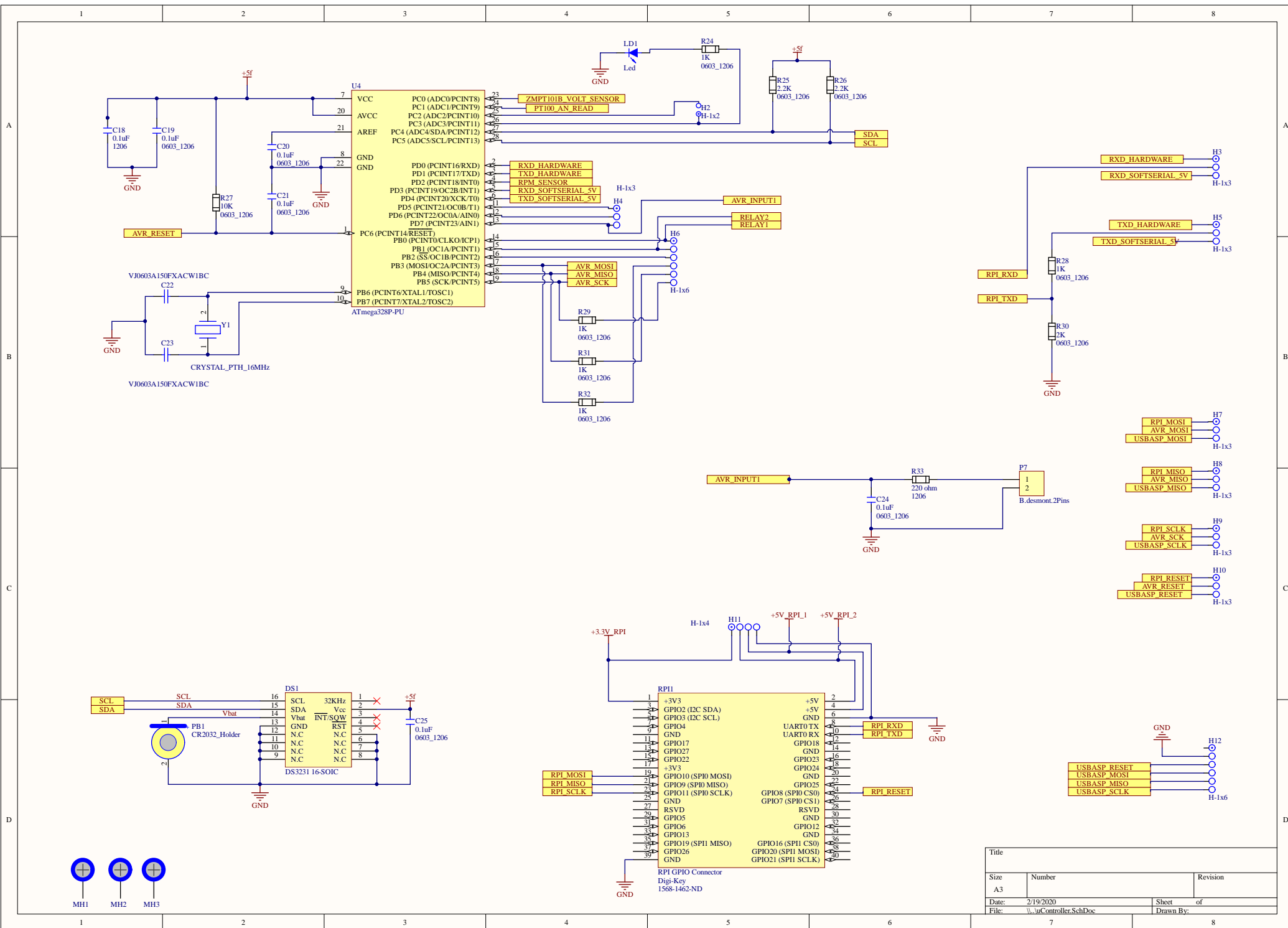


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P8

MH2

RELAY2

RELAY1

J1

6

9

P4

P5

P7

P1

MH3

SIMPLE-PRECS.

RA2

RA1

RS232

RPM

TEMP

AC

50-60HZ
AC V
SENSOR

Design by JCA
P3

Q1
Q2
TTL-RXD1
TTL-TXD1
TTL-TXD2
TTL-RXD2

H15
5V 3.3V
RXD2-TXD2

PB1

LD1

TOUCH

AIN3+

GND

AIN2+

P6R2

H7

CR2032 3V

H2

H1

H3

H4

H5

H6

H8

H9

H10

H11

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H13

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H315

Component	Part Name	Manufacturer	Footprint	Library	Quantity
U01uf	SMD_CHIP_CAP_C39 0.1uf	SMD_CHIP_CAP_C39 0.1uf TO 1206	C1, C1, C3, C7	SMD_CHIP_CAP_C39 0.1uf TO 1206	4
U22uf	SMD_CHIP_CAP_C44 0.22uf	SMD_CHIP_CAP_C44 0.22uf TO 1206	C2, C4, C6, C38	SMD_CHIP_CAP_C44 0.22uf TO 1206	4
U1uf	SMD_CHIP_CAP_C38 1uf	SMD_CHIP_CAP_C38 1uf TO 1206	C8, C9, C10, C17, C25, C27, C28, C29, C30	SMD_CHIP_CAP_C38 1uf TO 1206	13
U8uf	820p NVR VSP	C11	Cap-Dia-D5.5-85.08	Cap-Dia-D5.5-85.08 NVR	1
U8uf	SMD_CHIP_CAP_C38 8uf	C12	SMD_CHIP_CAP_C38 8uf TO 1206	SMD_CHIP_CAP_C38 8uf TO 1206	1
U90uf	820p NVR VSP	C13	Cap-Dia-D5.5-85.08	Cap-Dia-D5.5-85.08 NVR	1
U80uf	820p NVR VSP	C14	Cap-Dia-D5.5-85.08	Cap-Dia-D5.5-85.08 NVR	1
U90uf	SMD_CHIP_CAP_C38 8uf	C15	SMD_CHIP_CAP_C38 8uf TO 1206	SMD_CHIP_CAP_C38 8uf TO 1206	1
U80uf	SMD_CHIP_CAP_C38 8uf	C16	SMD_CHIP_CAP_C38 8uf TO 1206	SMD_CHIP_CAP_C38 8uf TO 1206	1
U1uf	SMD_CHIP_CAP_C38 1uf	C18, C26	SMD_CHIP_CAP_C38 1uf TO 1206	SMD_CHIP_CAP_C38 1uf TO 1206	2
U0603A150F50ACW1	0.06uF	C22, C23	1608W50ACW1 1515	0.06uF-0.06uF-1	2
U70uF/10V Tant	7465477N010ATE10	C31	SMD_2917	SMD_2917	1
U1uf	1uf	C33	0.06uF-0.06uF-1	0.06uF-0.06uF-1	1
U1uf	1uf	C34	0.06uF-0.06uF-1	0.06uF-0.06uF-1	1
U100uF	100uF	C35, C36	0.06uF-0.06uF-1	0.06uF-0.06uF-1	2
U100uF	SMD_CHIP_CAP_C38 100uf	C36	SMD_CHIP_CAP_C38 100uf TO 1206	SMD_CHIP_CAP_C38 100uf TO 1206	1
U100uF/25V	100uF	C37	0.06uF-0.06uF-1	0.06uF-0.06uF-1	1
BU50C-13-F	50 V, 5 A, 45 to 150 degC, 2-Pin	D1	D100-SMC-2-A-V	OMP-2000-0906-1	1
U0519	4057 1k	C3, C4	05-41-300	U0519	2
DS1221 1k-SOIC	SOIC, 1k-Leads, Body 10x5x3mm (max), Pitch 1.27mm, IPC Medium Density	D51	SOIC127P1030K26-16N	DS1221	1
RT12-Micro-Socket		D61	RT12	RT12	1
U1uf	1uf	D62, D63	RT12	RT12	2
U1uf	1uf	D64, D65, H7, H8, H5, H10, H15	RT12	RT12	8
U1uf	1uf	D66, H12	RT12	RT12	2
U1uf	1uf	C31, C33, C34	RT12	RT12	2
MD05 1.5 2-5.08	PCB terminal block, Nominal current: 17.5 A, nom. voltage: 400 V, pitch: 5.08 mm	H16, H17	MD05 1.5 2-5.08	MD05 1.5 2-5.08	2
UW01001	100uF	C1	UW01001	UW01001	1
D Connector 9	9 Position, Right angle	J1	DB9-HEMIRA	D Connector 9	1
RLM3195G1501ML	Chip Ferrite Bead Inductor	L1, L2	SMD_CHIP_FERRITE_BEAD INDUCTOR 1206	SMD_CHIP_FERRITE_BEAD INDUCTOR 1206	2
FB 1206 600 ohms	Chip Ferrite Bead Inductor	L3	SMD_CHIP_FERRITE_BEAD INDUCTOR 1206	SMD_CHIP_FERRITE_BEAD INDUCTOR 1206	1
U0804F 600R 1.5A	Onboard SMD Power Inductor, 33 uH, +/- 20%, -40 to 125 degC, 2-Pin SMD, ReelFS Tape and Reel	L4	BOUR-S081280-2-V	OMP-2000-07148-1	1
3.2A 3.2A 1280	3.2A	L5	BOUR-S081280-2-V	OMP-2000-07148-1	1
U01	U01	L6	U01	U01	1
U01	U01	L7	U01	U01	1
U01	U01	L8	U01	U01	1
U01	U01	L9	U01	U01	1
U01	U01	L10	U01	U01	1
U01	U01	L11	U01	U01	1
U01	U01	L12	U01	U01	1
U01	U01	L13	U01	U01	1
U01	U01	L14	U01	U01	1
U01	U01	L15	U01	U01	1
U01	U01	L16	U01	U01	1
U01	U01	L17	U01	U01	1
U01	U01	L18	U01	U01	1
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