




CK-RA6M5

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REV	COMMENT	DATE	DRAWN BY
1.0	WS Release	11/05/2021	SDD/KSS
2.0	WS2 Release	06/10/2021	SDD/KSS
2.1	Corrected Typo Page 14	04/12/2021	SDD/KSS
2.2	Changed Ethernet resistor values	07/01/2022	SDD/KSS
3.0	MP Release	23/01/2022	SDD/KSS
3.1	Change ISL33002 to ISL33003	10/02/2022	SDD/KSS

 **Electronics Europe GmbH**

Title

CK-RA6M5

Title Page - RA6M5 Cloud Kit

Size

A3

Document Number

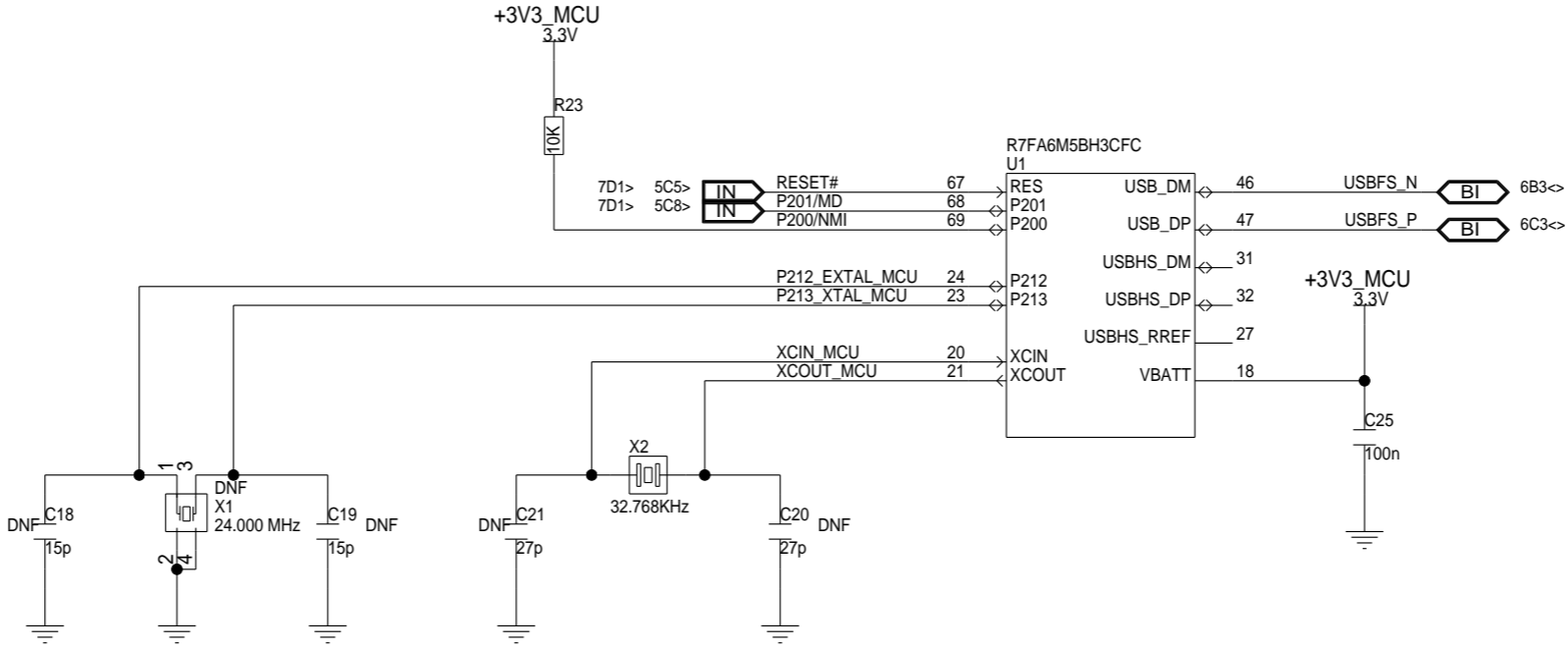
D018162_04

Date:

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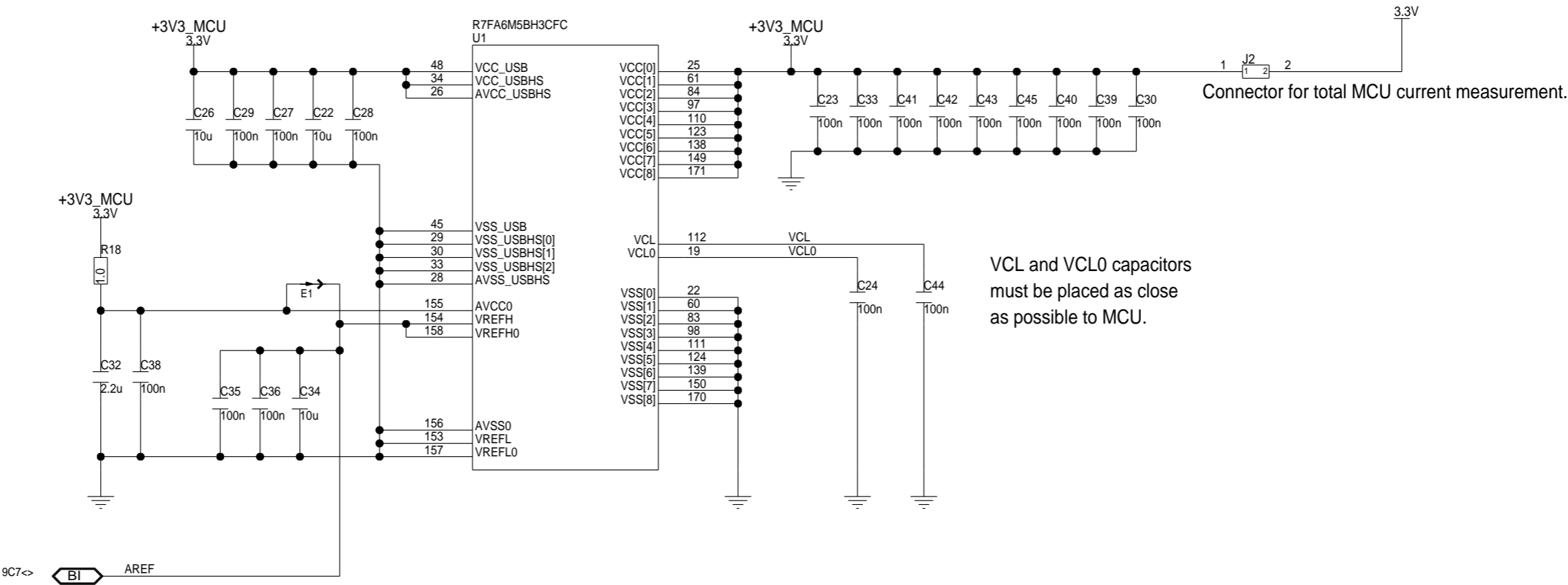


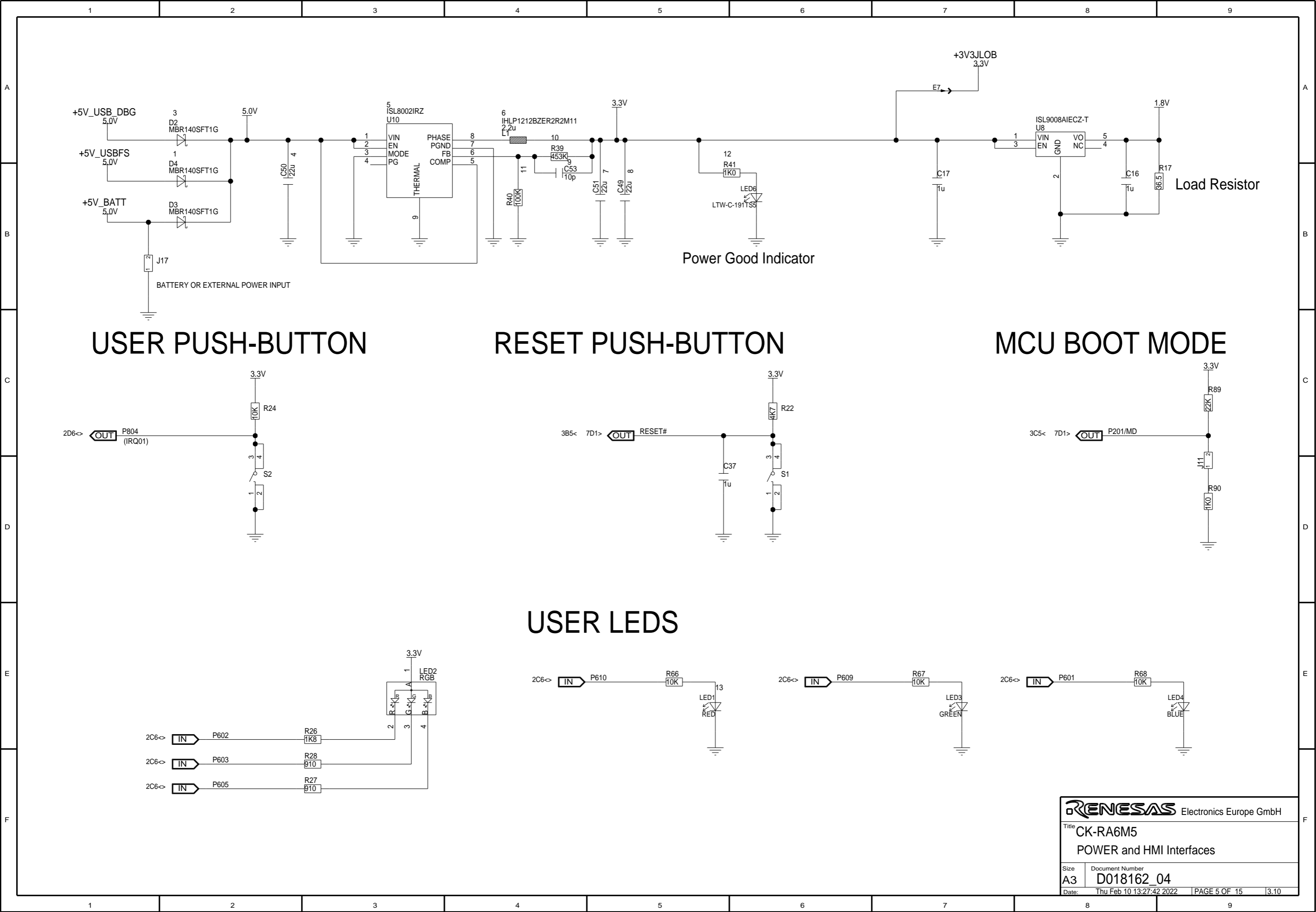
Layout Notes:
Place clock crystals as close as possible to MCU.
Place load capacitors as close as possible to clock crystals.

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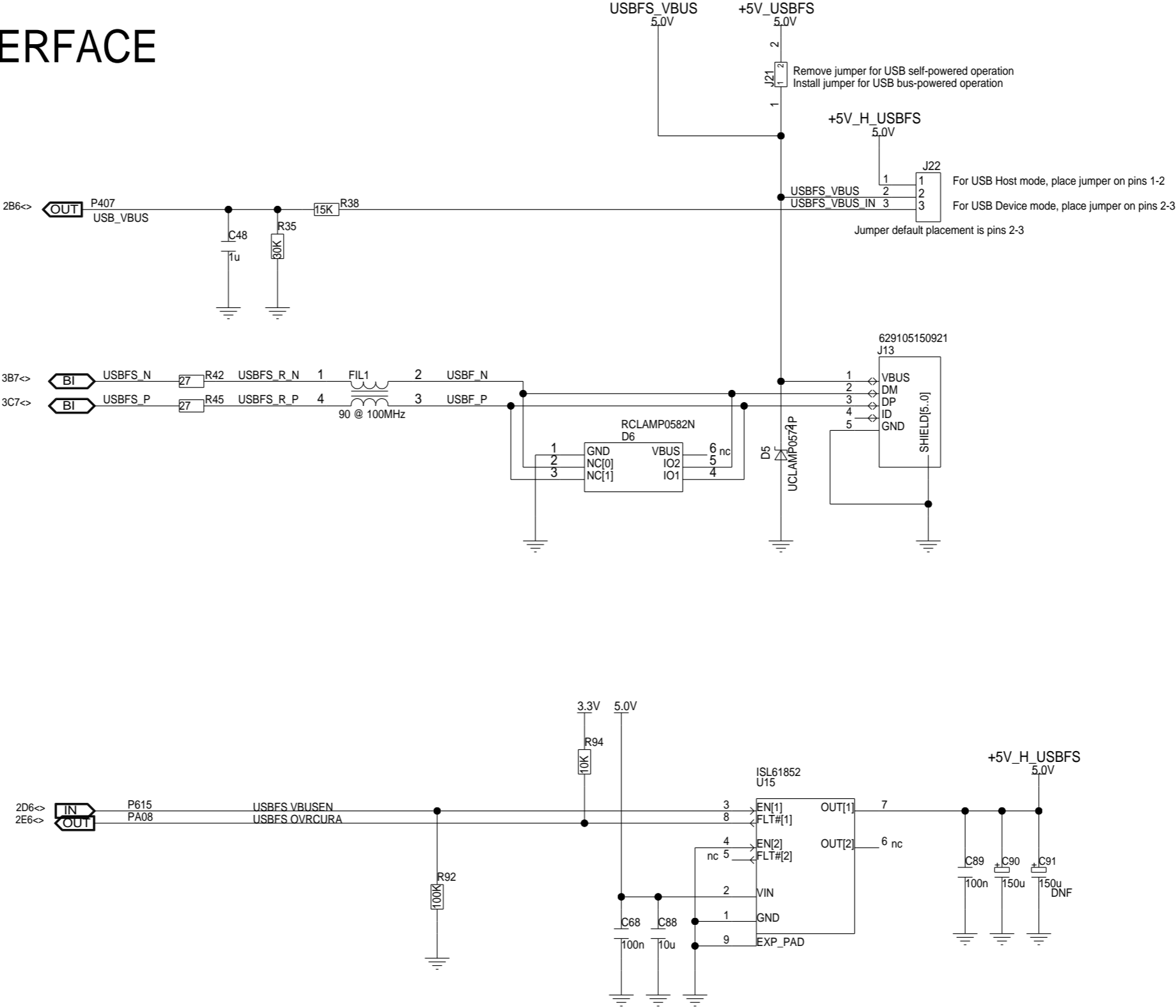
Title
CK-RA6M5
RA6M5 MCU - CLOCKS AND USB

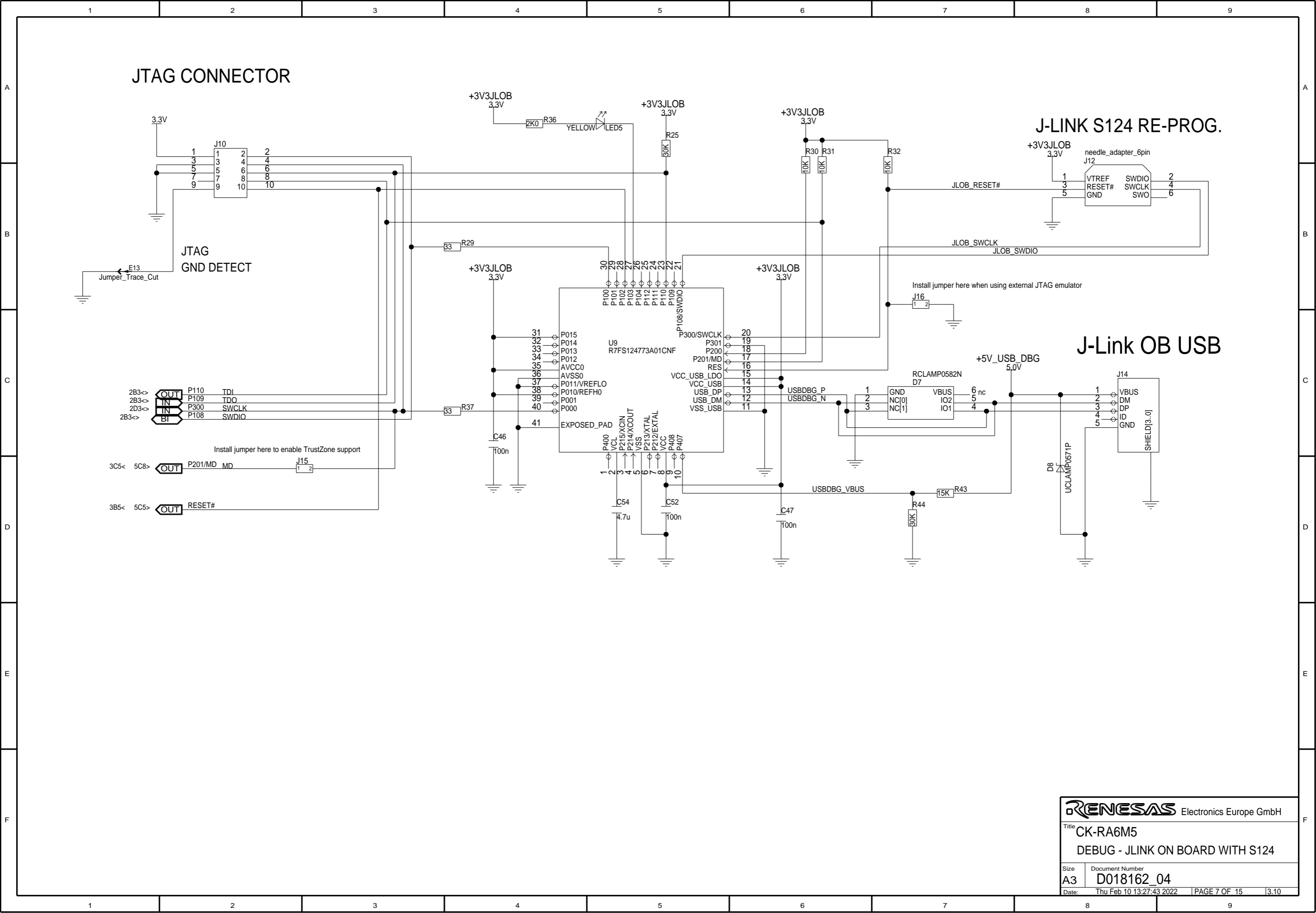
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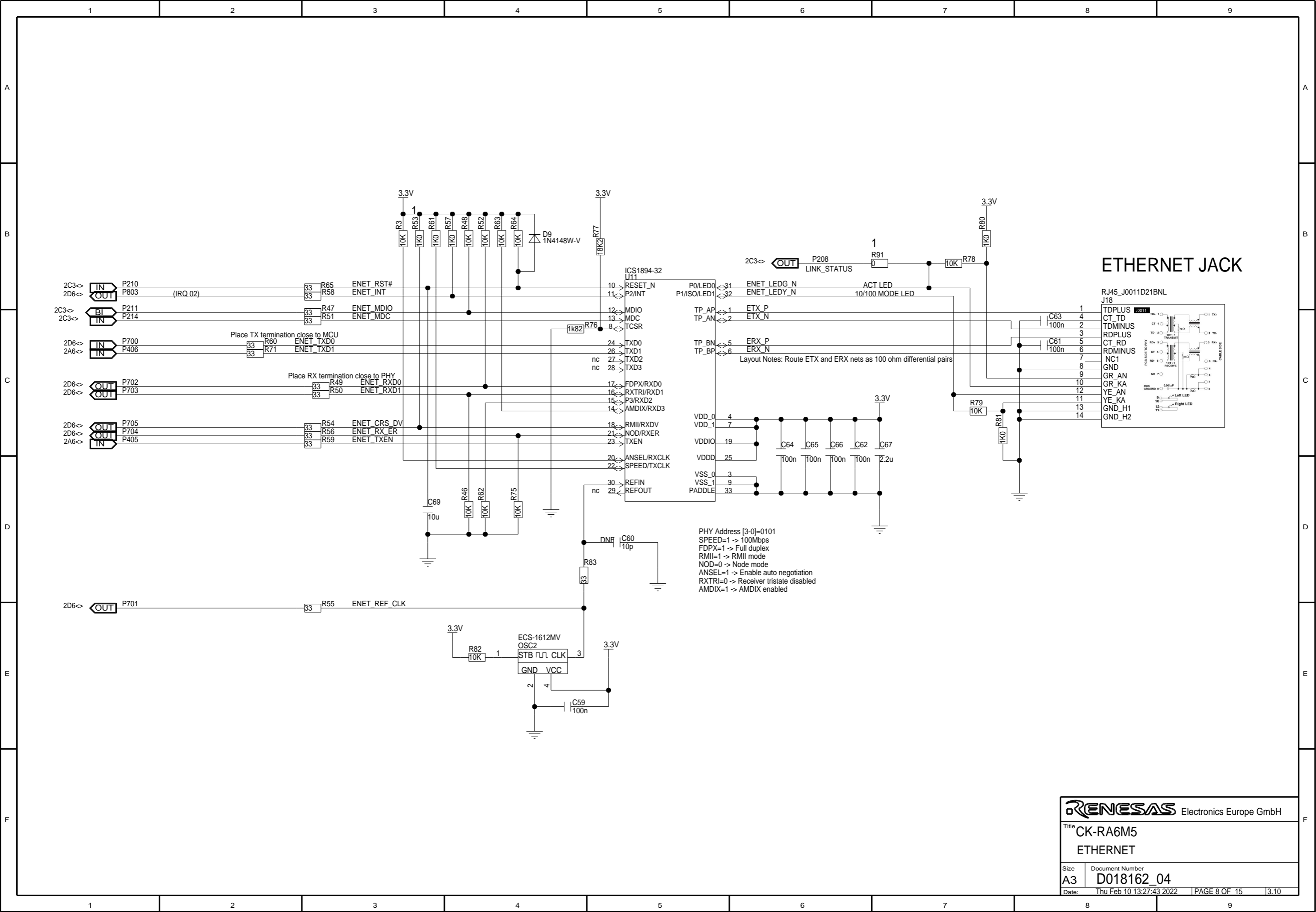




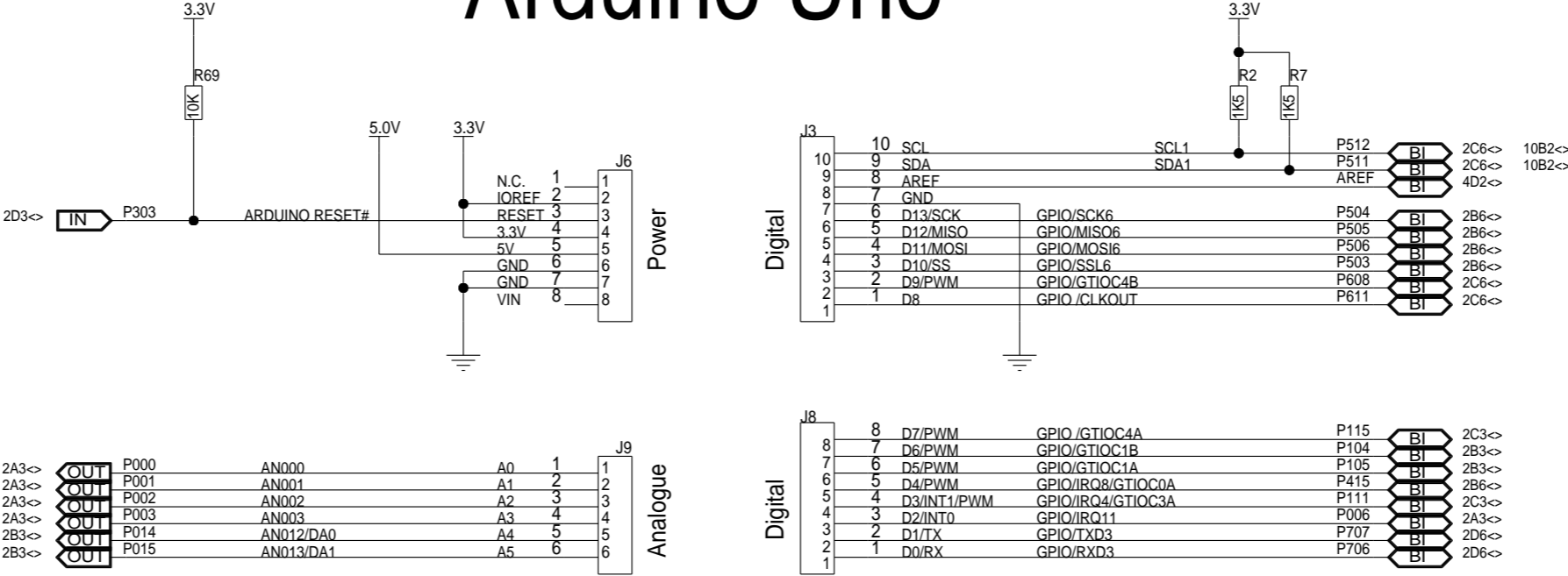
USB FS INTERFACE

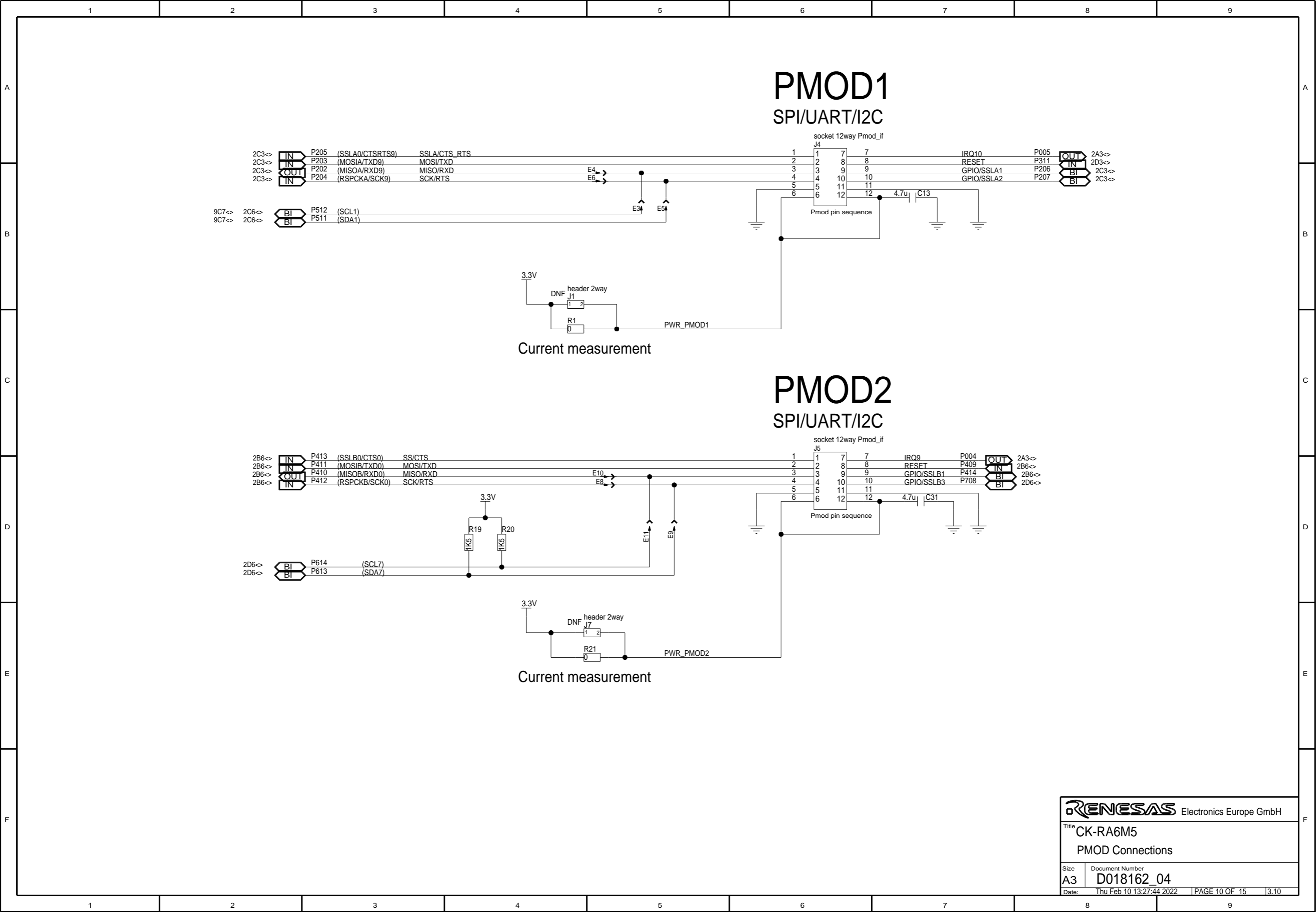






Arduino Uno





3.3V

DNF

header 2way

J7

1

2

R21

0

PWR_PMOD2

Current measurement

socket 12way Pmod_if

J5

1

2

3

4

5

6

7

8

9

10

11

12

7

8

9

10

11

12

IRQ9

RESET

GPIO/SSLB1

GPIO/SSLB3

P004

P409

P414

P708

OUT

IN

BI

BI

2A3<>

2B6<>

2B6<>

2D6<>

4.7u

C31

Pmod pin sequence

1

2

3

4

5

6

7

8

9

A

B

C

D

E

F

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Title

CK-RA6M5

PMOD Connections

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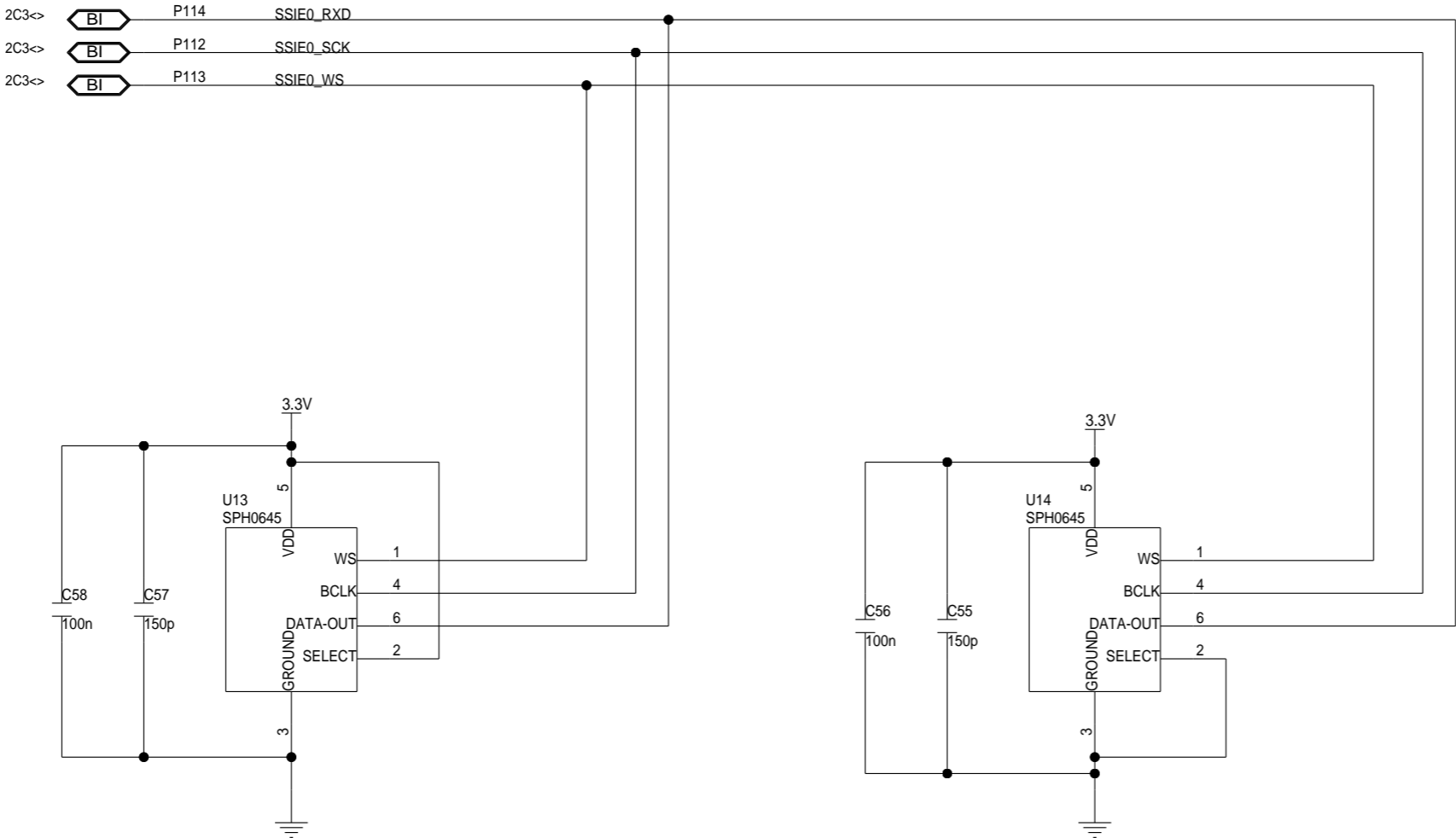
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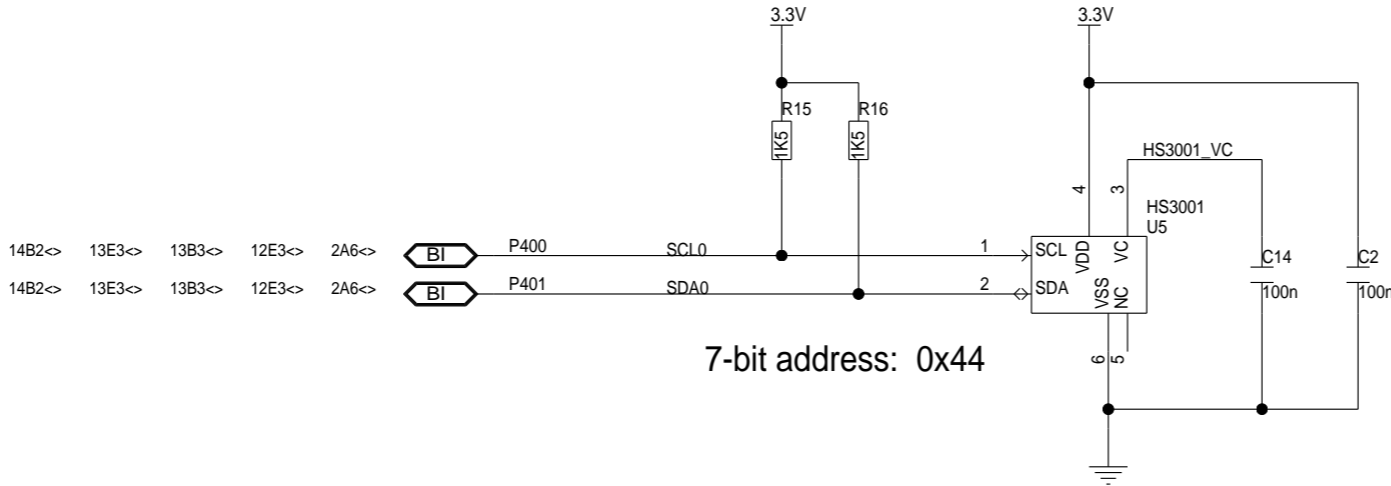
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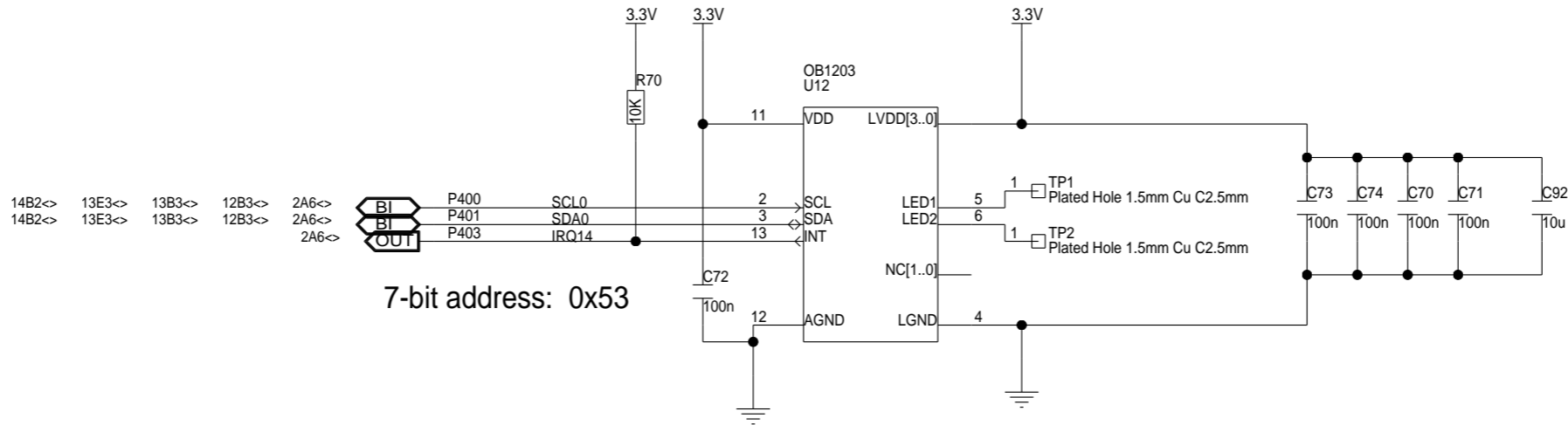
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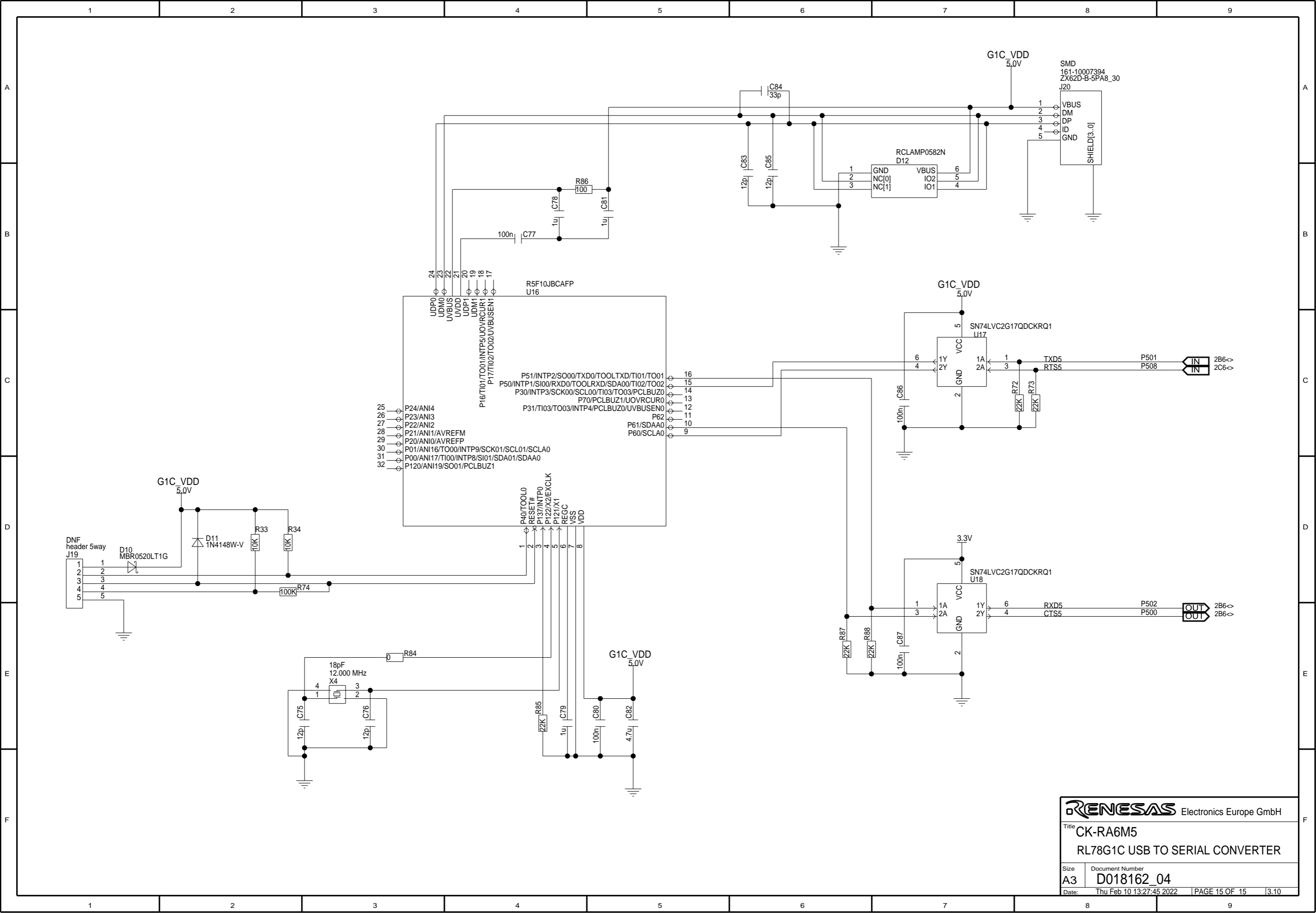
HS3001 Temperature & Humidity Sensor




OB1203 BIOMETRIC SENSOR



Biometric Sensor requires accurate finger placement for correct operation.
Include mechanical finger placement device to ensure correct finger placement.



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TitleCK-RA6M5
RL78G1C USB TO SERIAL CONVERTER

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