STRUCTURE

KEY CARD PRO

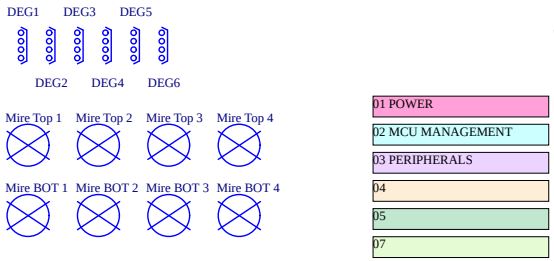
STATUS K PRO

2282

ELECTRONIC SCHEMATICS

FOLIO - 01	01 POWER.SchDoc
FOLIO - 02	02 MCU.SchDoc
FOLIO - 03	03 PERIPHERALS.SchDoc

R E W



REVISION TABLE

Revision	Date	Who	Modification description and purpose
V3.0.0	30/09/2024	DL	Creation
V3.0.1	31/10/2024	DL	Courant de charge - 445mA au lieu de 500mA
V3.1.1	4/11/2024	DL	Pochoir pour dome

Project Title: STATUS K PRO

STATUS KPRO

KPRO Reader

Folio Title: 00 Structure.SchDoc

Project Number: 2282 - 600

Board: KCP

Revision: V3.1

Date: 27/02/2024

Drawn by: D.LEBRUN

Folio: 0 / 3

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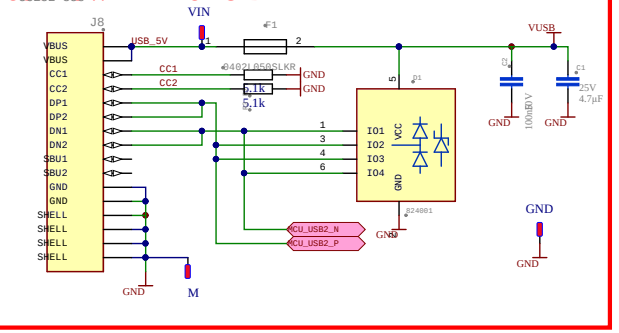
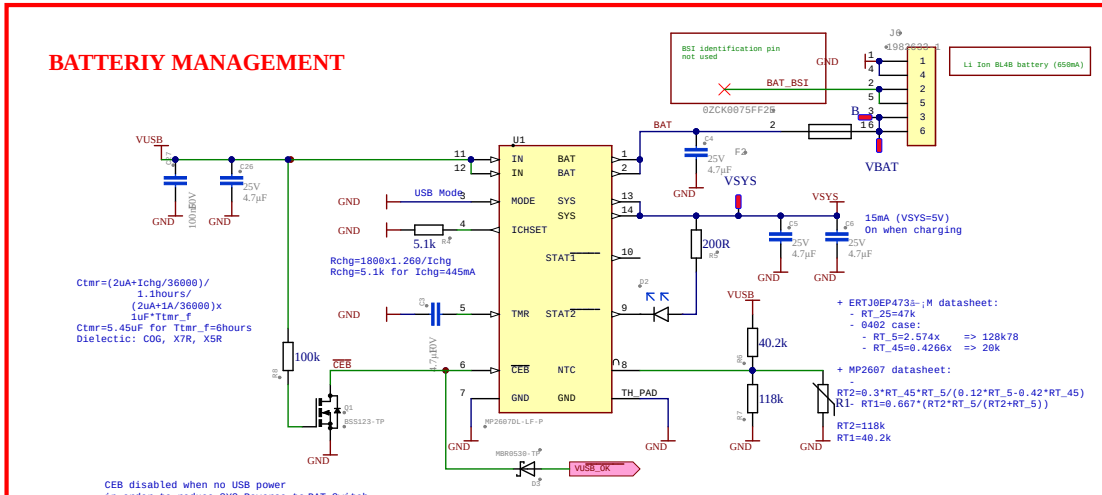
USB POWER INPUT & DATA

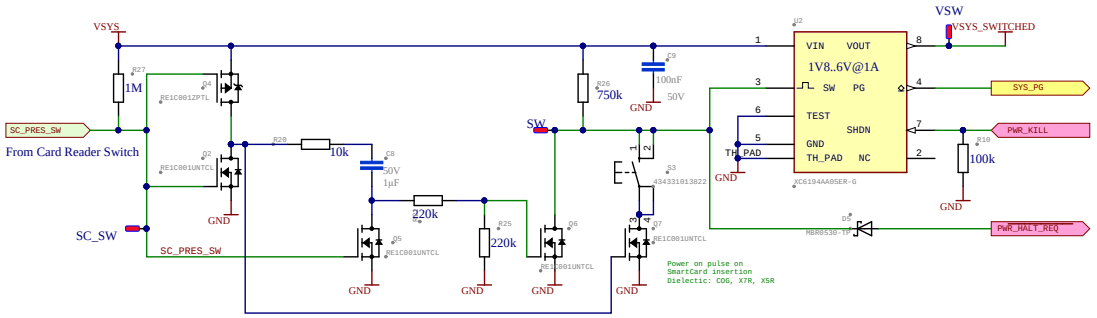


BATTERIY MANAGEMENT



POWER SWITCH

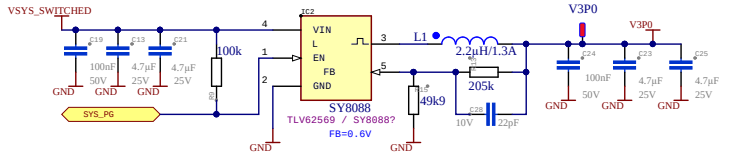
When SC Switch actived => the VSYS_SWITCHED goes to ON after a time defined by R20,C8, R21 and R22



When SC Switch disabled => the VSYS_SWITCHED goes to ON when S3 is actived
When SC Switch actived => S3 is disable

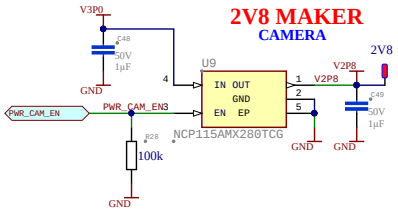
C8 -> 0603 => Rationalisation des refs

3V05 MAKER



2V8 MAKER

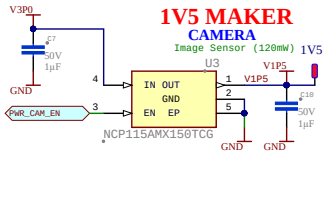
CAMERA



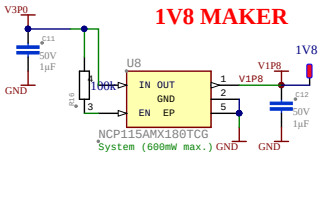
1V5 MAKER

CAMERA

Image Sensor (120mW) 1V5



1V8 MAKER



01 POWER
02 MCU MANAGEMENT
03 PERIPHERALS
04
05
07

Project Title: STATUS K PRO	
STATUS KPRO KPRO Reader	Folio Title: 01 POWER.SchDoc
Project Number: 2282 - 600	Board: KCP
Revision: V3.1	Date: 27/02/2024
Drawn by: D.LEBRUN	Folio: 1/ 3

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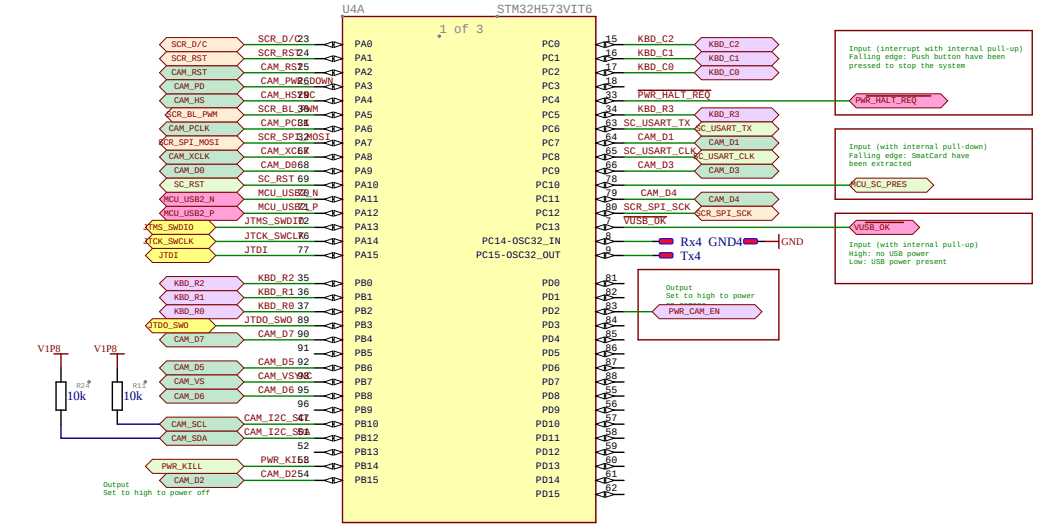
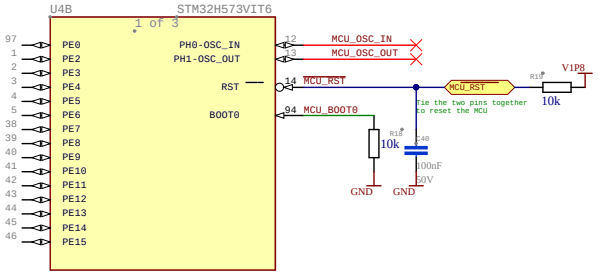
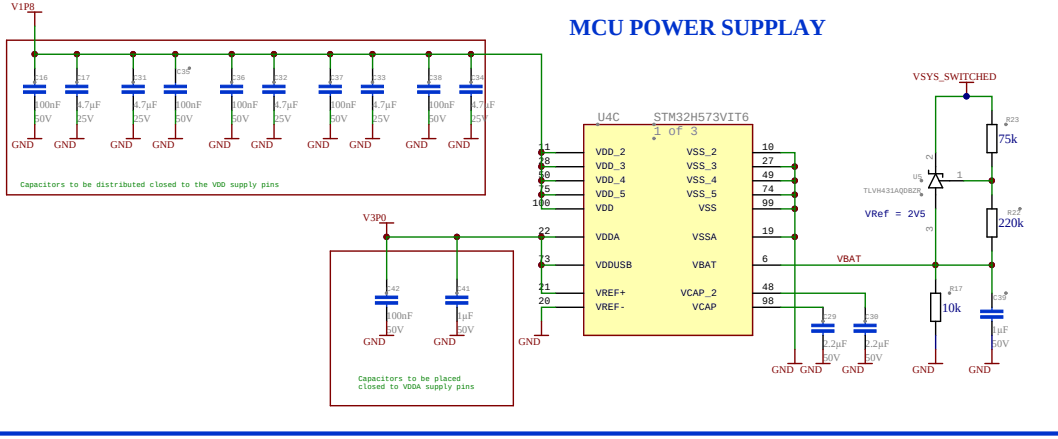
MCU PIN OUT - PA PB PC PC



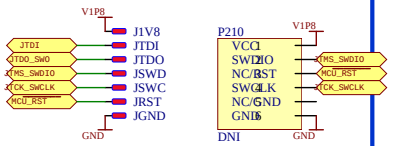
MCU PIN OUT - PE PF



MCU POWER SUPPLAY



MCU PROGRAMMING PORT (JTAG)



01 POWER
02 MCU MANAGEMENT
03 PERIPHERALS
04
05
07

Project Title: STATUS K PRO	
STATUS KPRO KPRO Reader	Folio Title: 02 MCU.SchDoc
Project Number: 2282 - 600	Board: KCP
Revision: V3.1	Date: 27/02/2024
Drawn by: D.LEBRUN	Folio: 2 / 3

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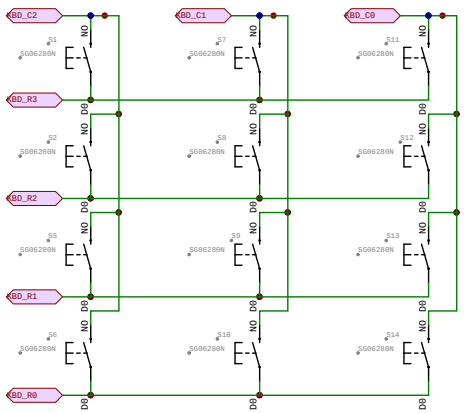
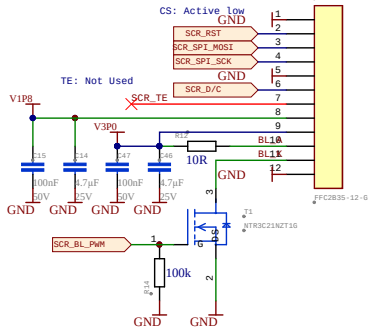
KEYBOARD MATRIX

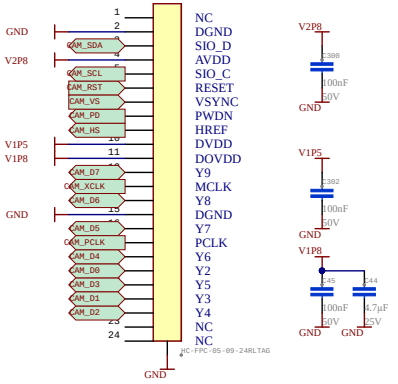


SCREEN CONNECTION

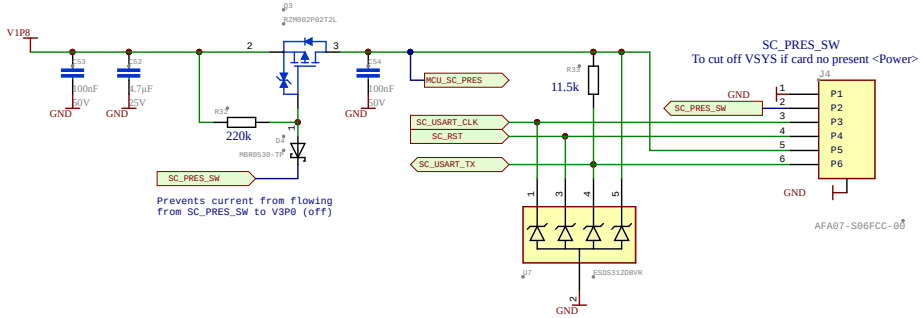


CAMERA CONNECTION

HREF have to be validated



SMART CARD READER



01 POWER
02 MCU MANAGEMENT
03 PERIPHERALS
04
05
07

Project Title: STATUS K PRO	
STATUS KPRO KPRO Reader 16/02/2024 10:59:17	Folio Title: 03 PERIPHERALS.SchDoc
Project Number: 2282 - 600	Board: KCP
Revision: V3.1	Date: 27/02/2024
Drawn by: D.LEBRUN	Folio: 3 / 3

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