

STRUCTURE

KEY CARD PRO

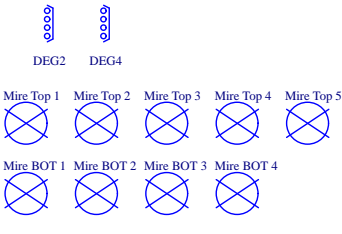
STATUS K PRO

2282

ELECTRONIC SCHEMATICS

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

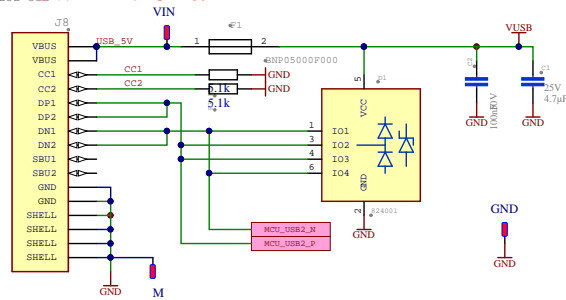
R E W
CE



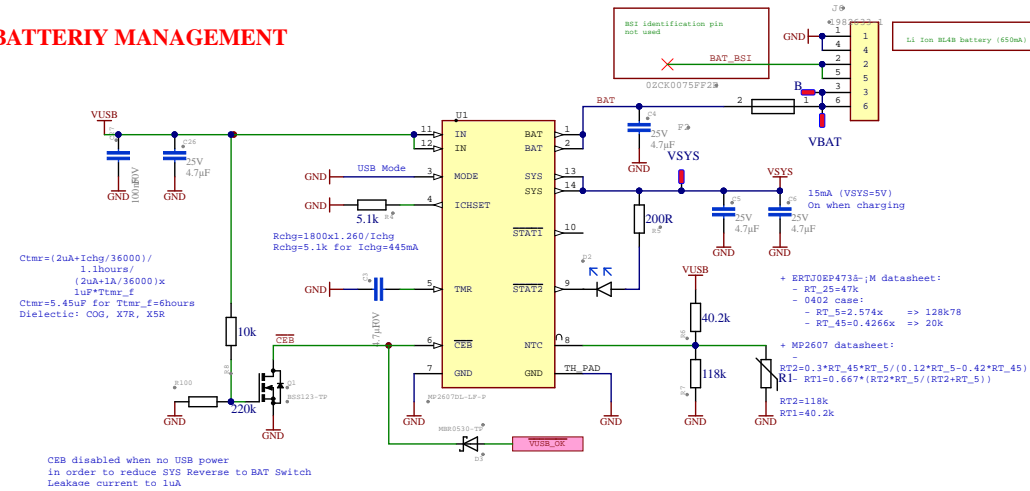
REVISION TABLE			
Revision	Date	Who	Modification description and purpose
V3.0.0	30/09/2024	DL	Creation
V3.0.1	31/10/2024	DL	Courant de charge - 445mA au lieu de 500mA
V3.1.1	4/11/2024	DL	Pochoir pour dome
V3.2.2	9/12/2024	DL	Chagement Switch (TS à la place des dômes)
V3.3.2	2/01/2025	DL	DFM
V3.3.3	16/01/2025	DL	Cost Killing
V3.4.4	29/01/2025	DL	Pb Exinction du produit à l'insertion de l'USB -> D6 + R100
V3.5.5	03/04/2025	DL/MCH	Modification VBUS OK et STAT1 & STAT2
V3.6.6	11/04/2025	MCH	Demande M.CLOSIER - Switch 100gr + Deamnde Client R100
V3.6.7	09/05/2025	DL	Modification Transistor T1 => On semi
V3.7.8	19/05/2025	DL	Demande M.CLOSIER - Switch 160gr
V3.7.9	21/10/2025	DL/MCH	Modification référence D6 (30V -> 3V)
V3.8.9	18/11/2025	DL	pad USB allongés

Project Title: STATUS K PRO		
STATUS KPRO KPRO Reader	Folio Title: 00 Structure.SchDoc	
	Project Number: 2282 - 600	Board: KCP
	Revision: V3.9	Date: 11/04/2025
	Drawn by: D.LEBRUN	Folio: 0 / 3
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USB POWER INPUT & DATA

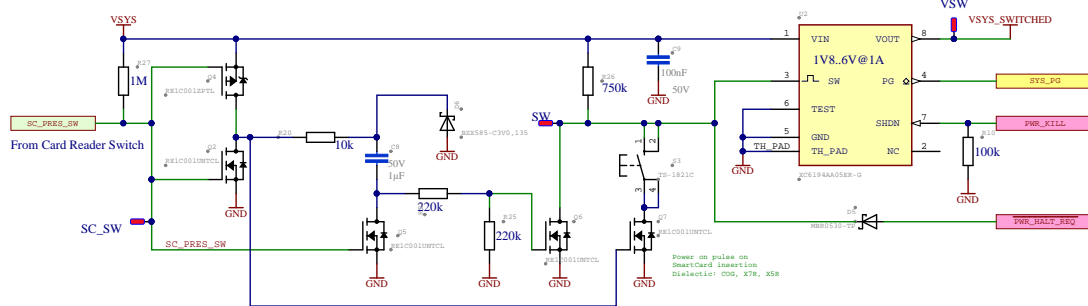


BATTERY MANAGEMENT



POWER SWITCH

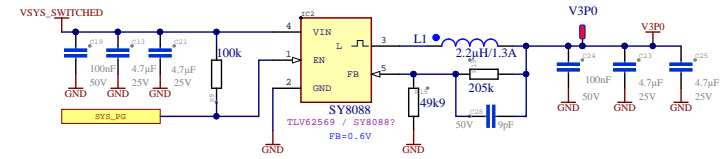
When SC Switch activated => the VSYS_SWITCHED goes ON after a time defined by R20,C8, R21 and R22



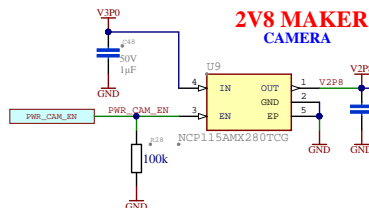
C8 -> 0603 => Rationalisation des refs

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

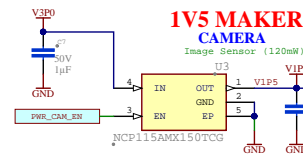
3V05 MAKER



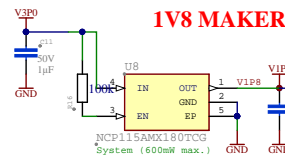
2V8 MAKER CAMERA



1V5 MAKER CAMERA



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

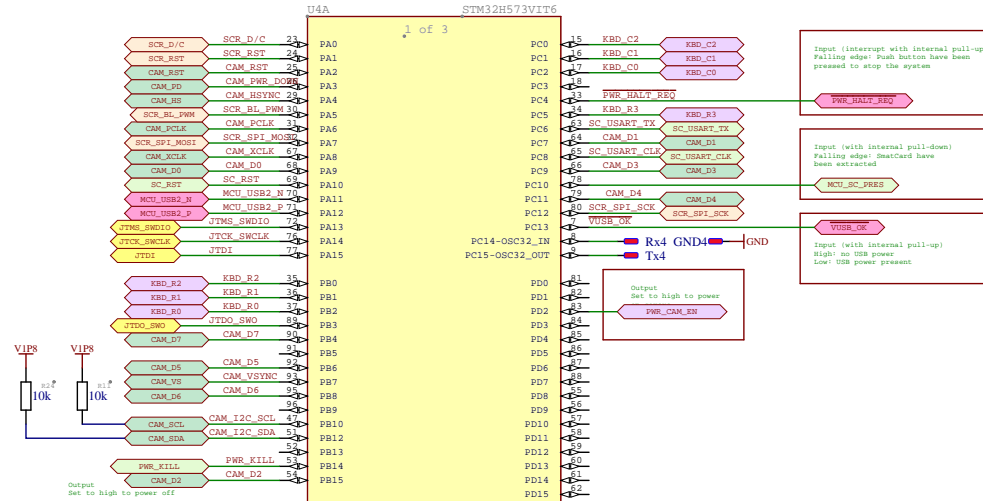
Revision: V3.9

Date: 11/04/2025

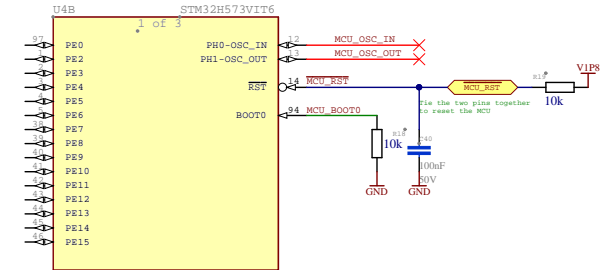
Drawn by: D.LEBRUN

Folio: 1 / 3

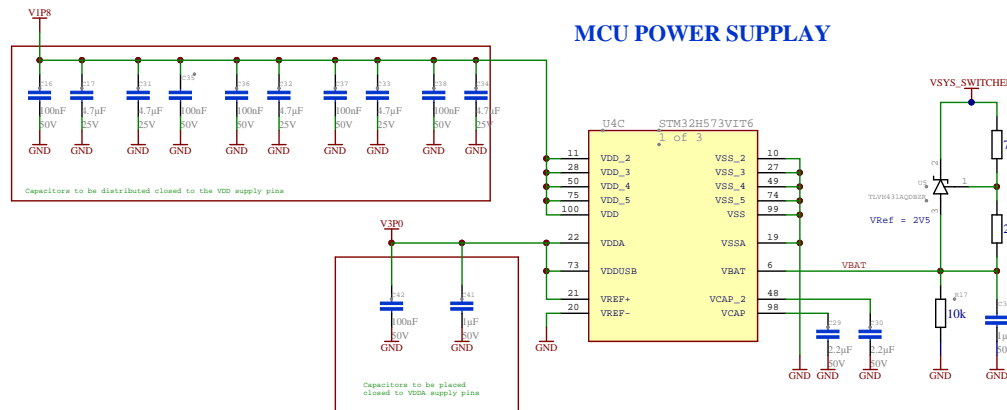
MCU PIN OUT - PA PB PC PC



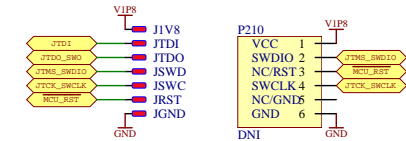
MCU PIN OUT - PE PF



MCU POWER SUPPLY



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

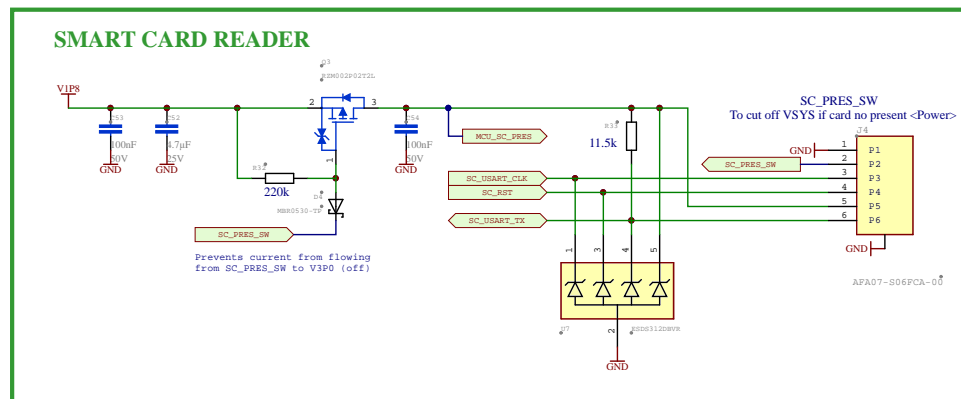
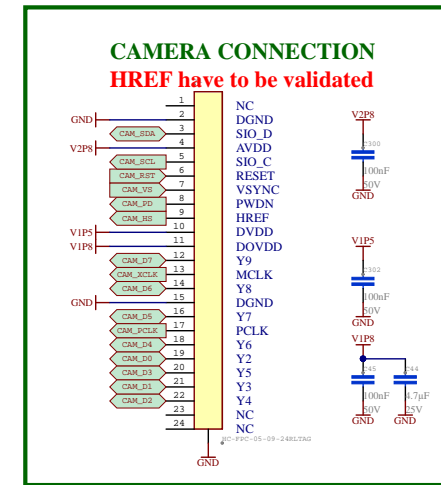
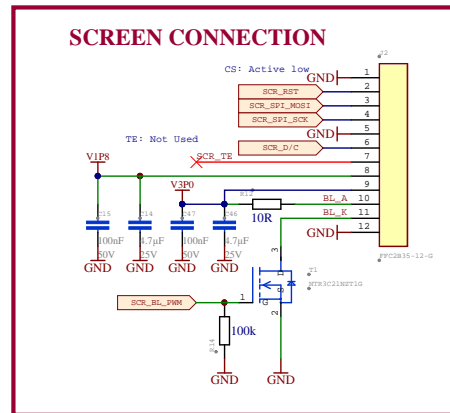
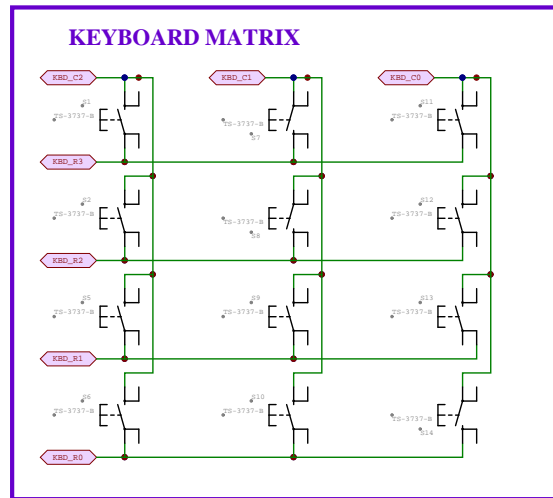
Board: KCP

Revision: V3.9

Date: 11/04/2025

Drawn by: D.LEBRUN

Folio: 2 / 3



01 POWER
02 MCU MANAGEMENT
03 PERIPHERALS
04
05
07