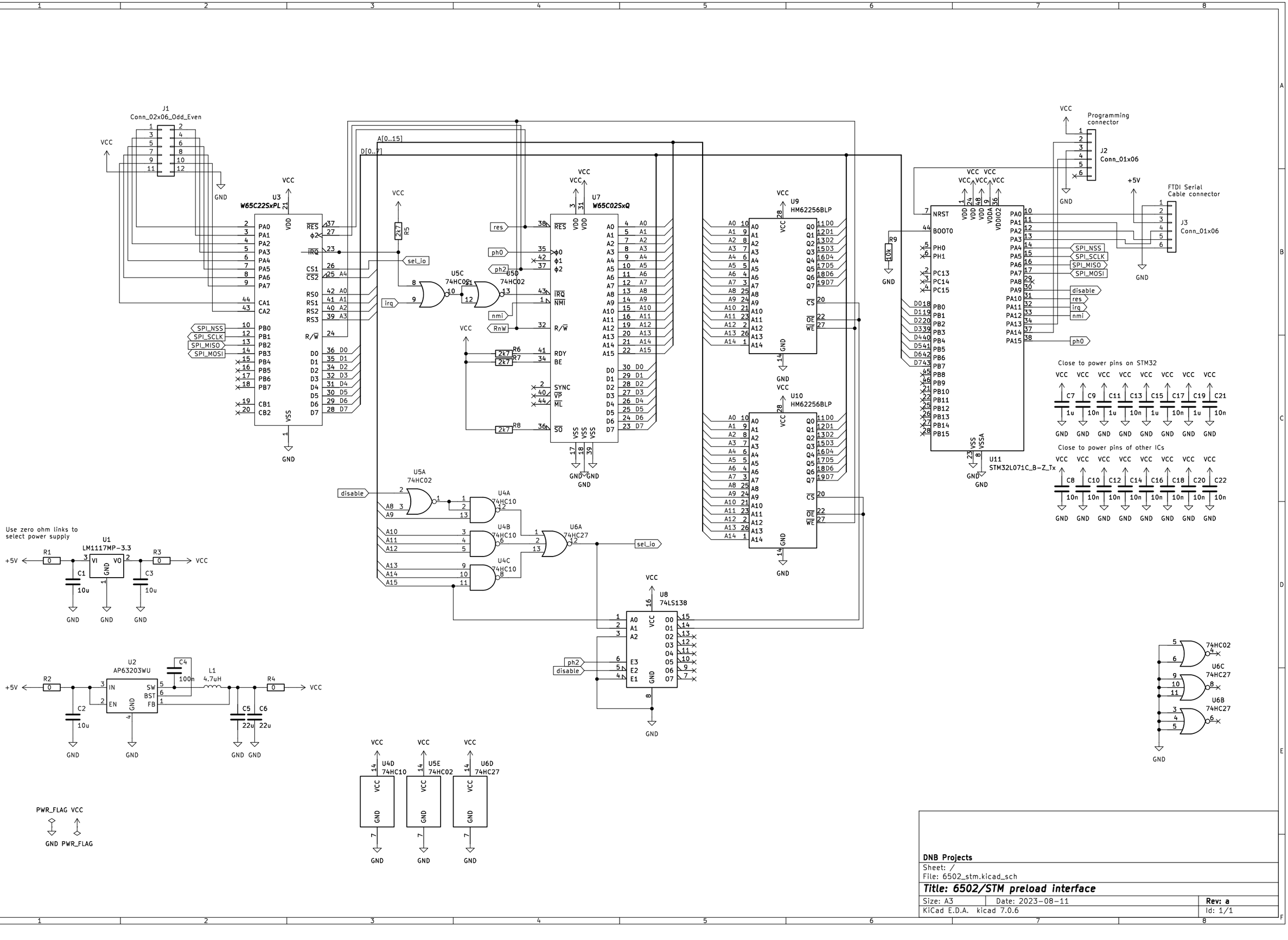
J1
Conn_02x06_Odd_Even
VCC
GND
U3
W65C22SxPL
VDD
VSS
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
CA1
CA2
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
CB1
CB2
RES
φ2
IRQ
CS1
CS2
RS0
RS1
RS2
RS3
R/W
D0
D1
D2
D3
D4
D5
D6
D7
SPI_NSS
SPI_SCLK
SPI_MISO
SPI_MOSI
A[0..15]
D[0..7]
sel_io
irq
nmi
res
ph0
ph2
RnW
R5
2k7
R6
R7
R8
U5C
74HC02
U5D
74HC02
U7
W65C02SxQ
RES
φ0
φ1
φ2
IRQ
NMI
R/W
RDY
BE
SYNC
VP
ML
SO
U9
HM62256BLP
U10
HM62256BLP
CS
OE
WE
R9
10k
U11
STM32L071C_B-Z_Tx
NRST
BOOT0
PH0
PH1
PC13
PC14
PC15
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
disable
res
irq
nmi
ph0
Programming
connector
J2
Conn_01x06
+5V
FTDI Serial
Cable connector
J3
Conn_01x06
Close to power pins on STM32
C7
C9
C11
C13
C15
C17
C19
C21
1u
10n
Close to power pins of other ICs
C8
C10
C12
C14
C16
C18
C20
C22
U5A
74HC02
U4A
74HC10
U4B
74HC10
U4C
74HC10
U6A
74HC27
U8
74LS138
A0
A1
A2
E3
E2
E1
O0
O1
O2
O3
O4
O5
O6
O7
Use zero ohm links to
select power supply
U1
LM1117MP-3.3
VI
VO
R1
R3
C1
C3
10u
U2
AP63203WU
IN
EN
SW
BST
FB
R2
R4
C2
C4
100n
L1
4.7uH
C5
C6
22u
U4D
74HC10
U5E
74HC02
U6D
74HC27
PWR_FLAG
GND PWR_FLAG
U6C
74HC27
U6B
74HC27
DNB Projects
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Size: A3
Date: 2023-08-11
Rev: a
KiCad E.D.A. kicad 7.0.6
Id: 1/1