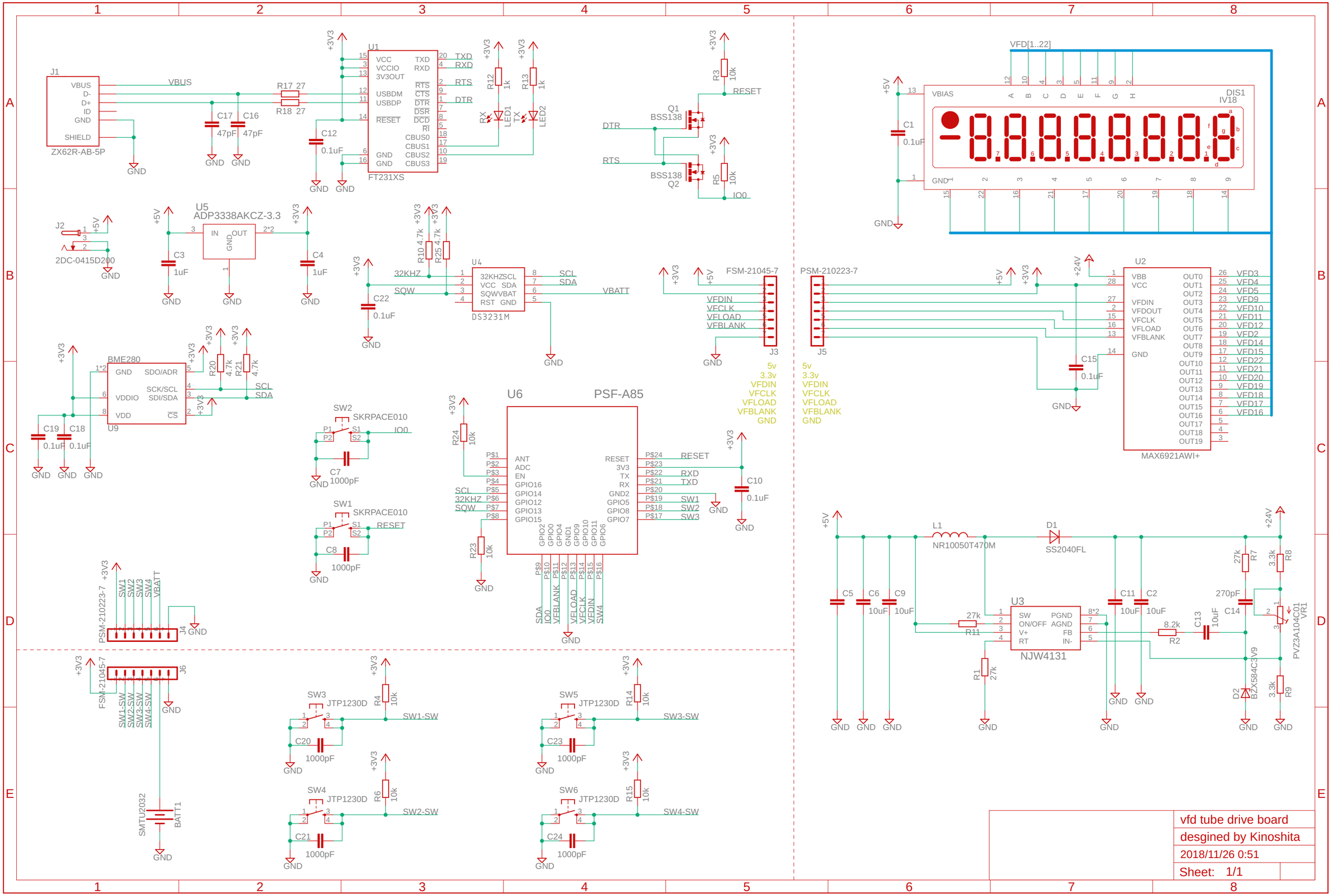
J1
ZX62R-AB-5P
VBUS
D-
D+
ID
GND
SHIELD
R17 27
R18 27
C17 47pF
C16 47pF
C12 0.1uF
U1
FT231XS
VCC
VCCIO
3V3OUT
USBDM
USBDP
RESET
TXD
RXD
RTS
CTS
DTR
DSR
DCD
RI
CBUS0
CBUS1
CBUS2
CBUS3
R12 1k
R13 1k
LED1
LED2
R3 10k
R5 10k
Q1 BSS138
Q2 BSS138
DTR
RTS
RESET
IO0
J2
2DC-0415D200
U5
ADP3338AKCZ-3.3
IN
OUT
GND
C3 1uF
C4 1uF
U4
DS3231M
32KHZ
SQW
SCL
SDA
VBATT
R10 4.7k
R25 4.7k
C22 0.1uF
FSM-21045-7
J3
VFDIN
VFCLK
VFLOAD
VFBLANK
5v
3.3v
VFDIN
VFCLK
VFLOAD
VFBLANK
GND
BME280
U9
GND
SDO/ADR
SCK/SCL
SDI/SDA
VDDIO
VDD
CS
R20 4.7k
R21 4.7k
C19 0.1uF
C18 0.1uF
SW2
SKRPACE010
IO0
C7 1000pF
SW1
SKRPACE010
RESET
C8 1000pF
U6
PSF-A85
ANT
ADC
EN
GPIO16
GPIO14
GPIO12
GPIO13
GPIO15
RESET
3V3
TX
RX
GND2
GPIO5
GPIO8
GPIO7
GPIO2
GPIO0
GPIO4
GND1
GPIO9
GPIO10
GPIO11
GPIO6
SCL
32KHZ
SQW
SDA
IO0
VFBLANK
VFLOAD
VFCLK
VFDIN
SW4
SW1
SW2
SW3
R24 10k
R23 10k
C10 0.1uF
PSM-210223-7
J4
SW1
SW2
SW3
SW4
VBATT
FSM-21045-7
J6
SW1-SW
SW2-SW
SW3-SW
SW4-SW
SMTU2032
BATT1
SW3
JTP1230D
SW1-SW
R4 10k
C20 1000pF
SW4
JTP1230D
SW2-SW
R6 10k
C21 1000pF
SW5
JTP1230D
SW3-SW
R14 10k
C23 1000pF
SW6
JTP1230D
SW4-SW
R15 10k
C24 1000pF
VFD[1..22]
VBIAS
DIS1
IV18
C1 0.1uF
PSM-210223-7
J5
5v
3.3v
VFDIN
VFCLK
VFLOAD
VFBLANK
GND
U2
MAX6921AWI+
VBB
VCC
VFDIN
VFDOUT
VFCLK
VFLOAD
VFBLANK
GND
OUT0
OUT1
OUT2
OUT3
OUT4
OUT5
OUT6
OUT7
OUT8
OUT9
OUT10
OUT11
OUT12
OUT13
OUT14
OUT15
OUT16
OUT17
OUT18
OUT19
VFD3
VFD4
VFD5
VFD9
VFD10
VFD11
VFD12
VFD2
VFD14
VFD15
VFD22
VFD21
VFD20
VFD19
VFD18
VFD17
VFD16
C15 0.1uF
L1 NR10050T470M
D1 SS2040FL
C5
C6 10uF
C9 10uF
U3
NJW4131
SW
ON/OFF
V+
RT
PGND
AGND
FB
IN-
R11 27k
R1 27k
C11 10uF
C2 10uF
R2 8.2k
C13 10uF
C14 270pF
R7 27k
R8 3.3k
R9 3.3k
D2 BZX584C3V9
VR1 PVZ3A104C01
vfd tube drive board
desgined by Kinoshita
2018/11/26 0:51
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