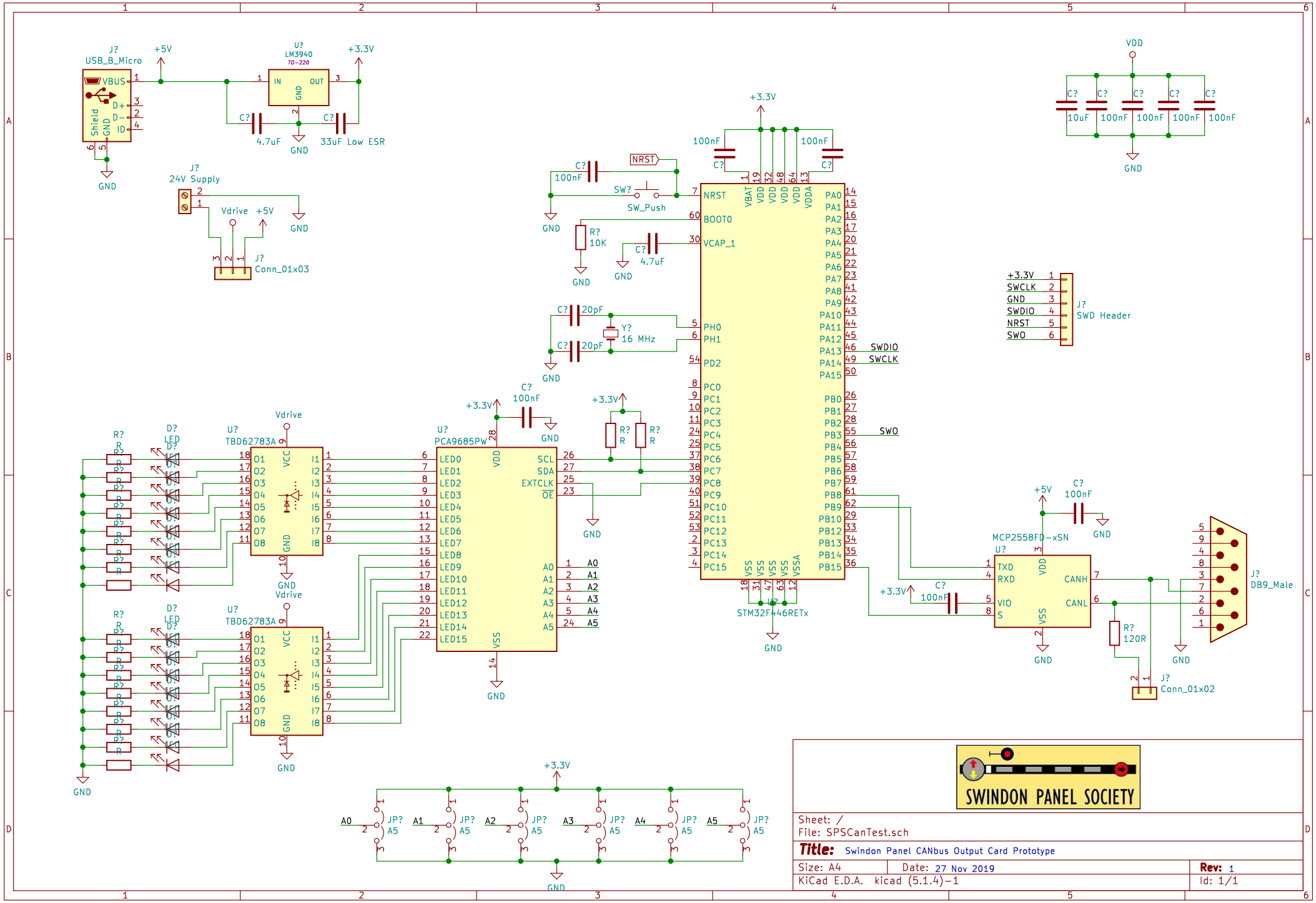
J?
USB_B_Micro
VBUS
D+
D-
ID
Shield
GND
+5V
U?
LM3940
TO-220
IN
OUT
GND
+3.3V
C?
4.7uF
33uF Low ESR
J?
24V Supply
Vdrive
J?
Conn_01x03
VDD
10uF
100nF
NRST
SW?
SW_Push
R?
10K
4.7uF
20pF
Y?
16 MHz
NRST
BOOT0
VCAP_1
PH0
PH1
PD2
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB12
PB13
PB14
PB15
PC0
PC1
PC2
PC3
PC4
PC5
PC6
PC7
PC8
PC9
PC10
PC11
PC12
PC13
PC14
PC15
SWDIO
SWCLK
SWO
STM32F446RETx
J?
SWD Header
+3.3V
SWCLK
GND
SWDIO
NRST
SWO
U?
TBD62783A
Vdrive
D?
LED
R?
R
U?
PCA9685PW
SCL
SDA
EXTCLK
OE
LED0
LED1
LED2
LED3
LED4
LED5
LED6
LED7
LED8
LED9
LED10
LED11
LED12
LED13
LED14
LED15
A0
A1
A2
A3
A4
A5
MCP2558FD-xSN
TXD
RXD
VIO
S
CANH
CANL
VDD
VSS
R?
120R
J?
Conn_01x02
J?
DB9_Male
JP?
A5
SWINDON PANEL SOCIETY
Sheet: /
File: SPSCanTest.sch
Title: Swindon Panel CANbus Output Card Prototype
Size: A4
Date: 27 Nov 2019
Rev: 1
KiCad E.D.A. kicad (5.1.4)-1
Id: 1/1