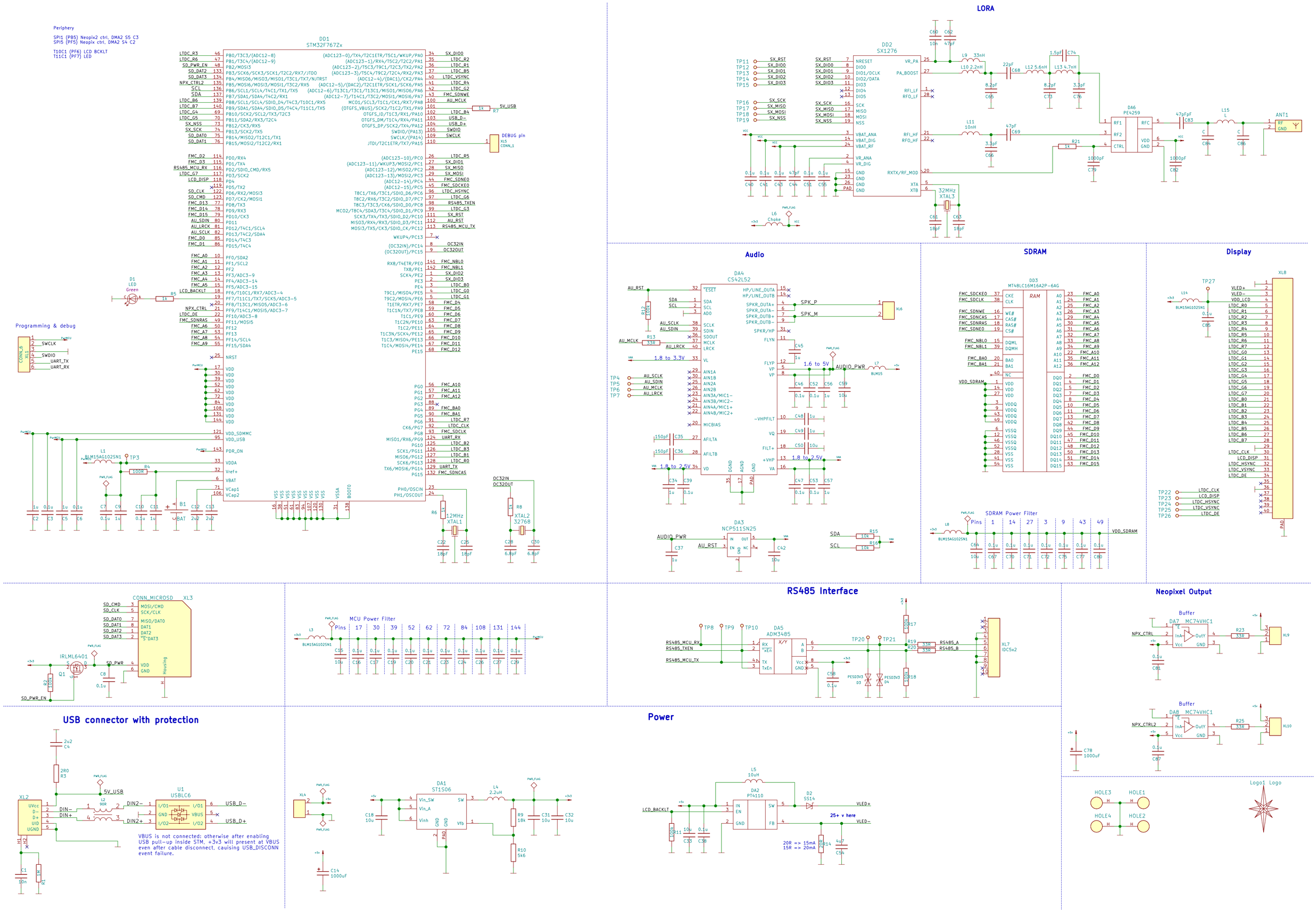
Periphery
SPI1 (PB5) Neopix2 ctrl, DMA2 S5 C3
SPI5 (PF5) Neopix ctrl, DMA2 S4 C2
T10C1 (PF6) LCD BCKLT
T11C1 (PF7) LED
DD1
STM32F767Zx
LORA
DD2
SX1276
DA6
PE4259
ANT1
Audio
DA4
CS42L52
SDRAM
DD3
MT48LC16M16A2P-6AG
Display
XL8
Programming & debug
CONN_6
XL1
DEBUG pin
XL5
CONN_1
CONN_MICROSD
XL3
RS485 Interface
DA5
ADM3485
XL7
IDC5x2
Neopixel Output
Buffer
DA7
MC74VHC1
DA8
MC74VHC1
XL9
XL10
MCU Power Filter
SDRAM Power Filter
USB connector with protection
XL2
U1
USBLC6
VBUS is not connected: otherwise after enabling USB pull-up inside STM, +3v3 will present at VBUS even after cable disconnect, causing USB_DISCONN event failure.
Power
DA1
ST1S06
DA2
PT4110
DA3
NCP511SN25
HOLE1
HOLE2
HOLE3
HOLE4
Logo1 Logo