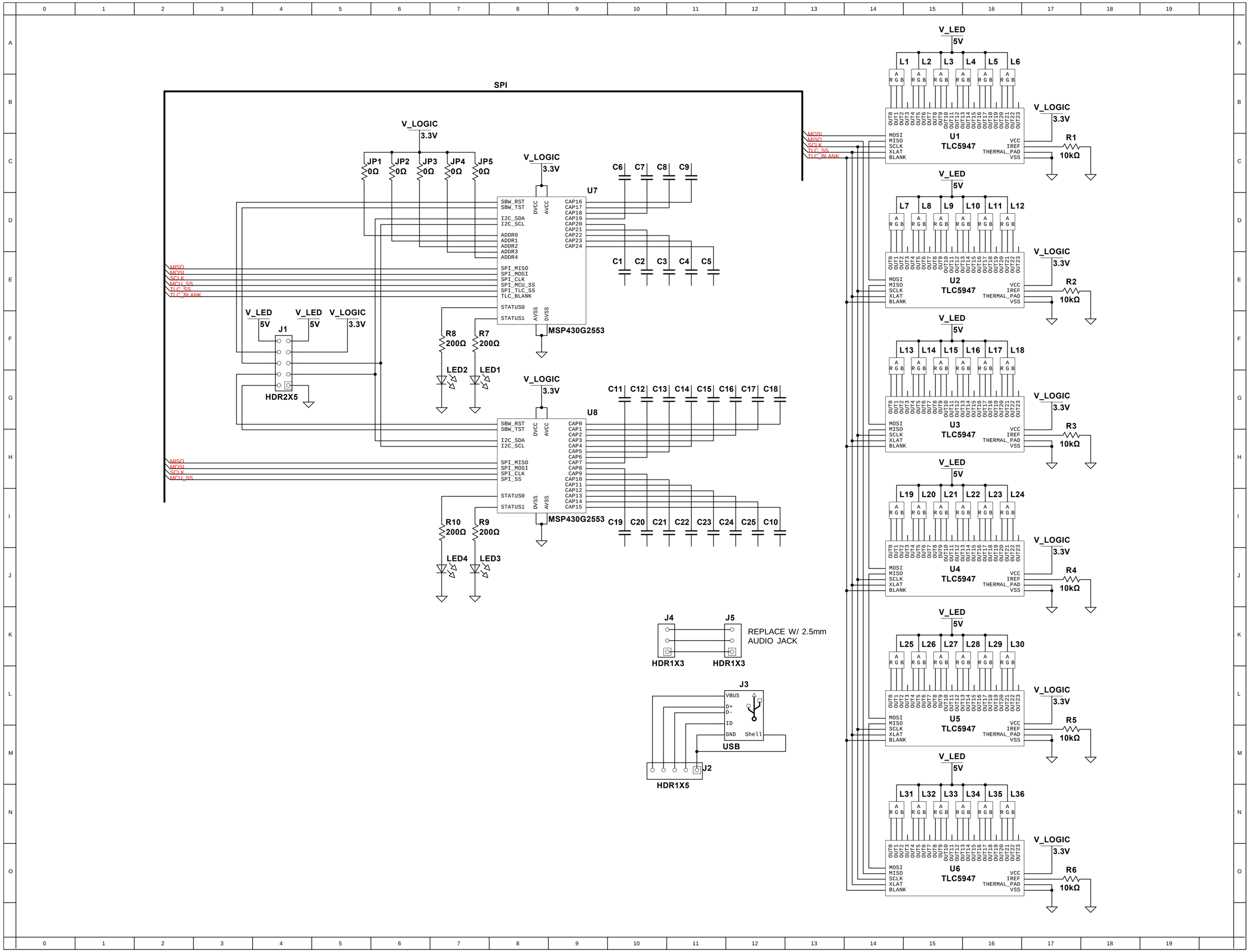
SPI
V_LOGIC
3.3V
JP1
0Ω
JP2
0Ω
JP3
0Ω
JP4
0Ω
JP5
0Ω
U7
MSP430G2553
SBW_RST
SBW_TST
I2C_SDA
I2C_SCL
ADDR0
ADDR1
ADDR2
ADDR3
ADDR4
SPI_MISO
SPI_MOSI
SPI_CLK
SPI_MCU_SS
SPI_TLC_SS
TLC_BLANK
STATUS0
STATUS1
DVCC
AVCC
AVSS
DVSS
CAP16
CAP17
CAP18
CAP19
CAP20
CAP21
CAP22
CAP23
CAP24
C6
C7
C8
C9
C1
C2
C3
C4
C5
MISO
MOSI
SCLK
MCU_SS
TLC_SS
TLC_BLANK
V_LED
5V
J1
HDR2X5
R8
200Ω
R7
200Ω
LED2
LED1
U8
MSP430G2553
SPI_SS
CAP0
CAP1
CAP2
CAP3
CAP4
CAP5
CAP6
CAP7
CAP8
CAP9
CAP10
CAP11
CAP12
CAP13
CAP14
CAP15
C11
C12
C13
C14
C15
C16
C17
C18
C19
C20
C21
C22
C23
C24
C25
C10
R10
200Ω
R9
200Ω
LED4
LED3
J4
J5
HDR1X3
HDR1X3
REPLACE W/ 2.5mm
AUDIO JACK
J3
VBUS
D+
D-
ID
GND
Shell
USB
J2
HDR1X5
L1
L2
L3
L4
L5
L6
U1
TLC5947
R1
10kΩ
L7
L8
L9
L10
L11
L12
U2
TLC5947
R2
10kΩ
L13
L14
L15
L16
L17
L18
U3
TLC5947
R3
10kΩ
L19
L20
L21
L22
L23
L24
U4
TLC5947
R4
10kΩ
L25
L26
L27
L28
L29
L30
U5
TLC5947
R5
10kΩ
L31
L32
L33
L34
L35
L36
U6
TLC5947
R6
10kΩ
MOSI
MISO
SCLK
XLAT
BLANK
VCC
IREF
THERMAL_PAD
VSS