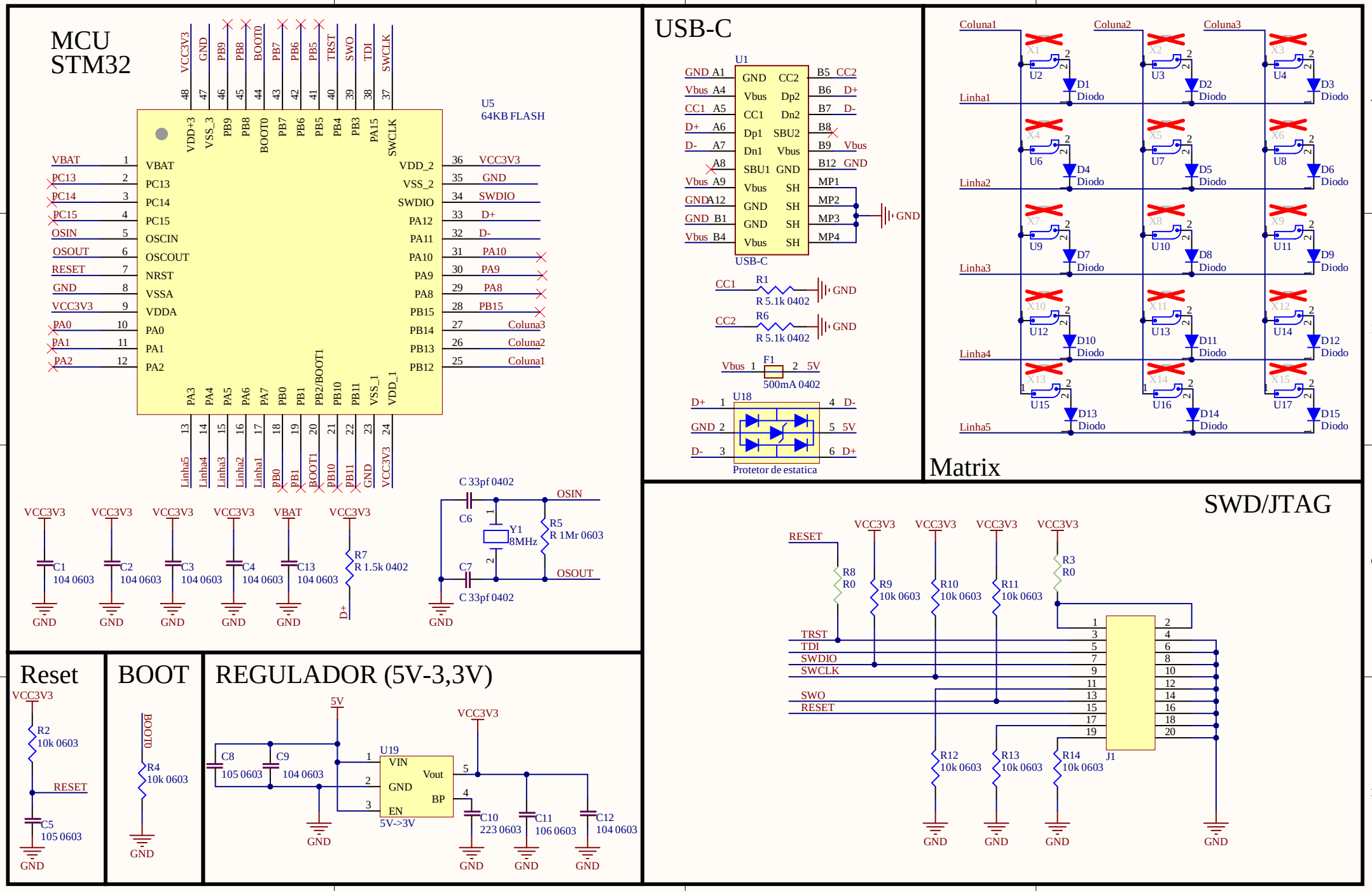
MCU
STM32
U5
64KB FLASH
VBAT
PC13
PC14
PC15
OSIN
OSOUT
RESET
GND
VCC3V3
PA0
PA1
PA2
VDD+3
VSS_3
PB9
PB8
BOOT0
PB7
PB6
PB5
PB4
PB3
PA15
SWCLK
VDD_2
VSS_2
SWDIO
PA12
PA11
PA10
PA9
PA8
PB15
PB14
PB13
PB12
Coluna3
Coluna2
Coluna1
PA3
PA4
PA5
PA6
PA7
PB0
PB1
PB2/BOOT1
PB10
PB11
VSS_1
VDD_1
Linha5
Linha4
Linha3
Linha2
Linha1
C1 104 0603
C2 104 0603
C3 104 0603
C4 104 0603
C13 104 0603
R7 R 1.5k 0402
C 33pf 0402
C6
Y1 8MHz
C7
R5 R 1Mr 0603
USB-C
U1
GND A1
Vbus A4
CC1 A5
D+ A6
D- A7
Vbus A9
GND A12
GND B1
Vbus B4
CC2
B5
B6 D+
B7 D-
B8
B9 Vbus
B12 GND
MP1
MP2
MP3
MP4
R1 R 5.1k 0402
R6 R 5.1k 0402
F1 500mA 0402
U18
Protetor de estatica
Matrix
D1 Diodo
D2 Diodo
D3 Diodo
D4 Diodo
D5 Diodo
D6 Diodo
D7 Diodo
D8 Diodo
D9 Diodo
D10 Diodo
D11 Diodo
D12 Diodo
D13 Diodo
D14 Diodo
D15 Diodo
SWD/JTAG
R8 R0
R9 10k 0603
R10 10k 0603
R11 10k 0603
R3 R0
R12 10k 0603
R13 10k 0603
R14 10k 0603
J1
TRST
TDI
SWDIO
SWCLK
SWO
Reset
R2 10k 0603
C5 105 0603
BOOT
R4 10k 0603
REGULADOR (5V-3,3V)
5V
C8 105 0603
C9 104 0603
U19
VIN
GND
EN
5V->3V
Vout
BP
C10 223 0603
C11 106 0603
C12 104 0603