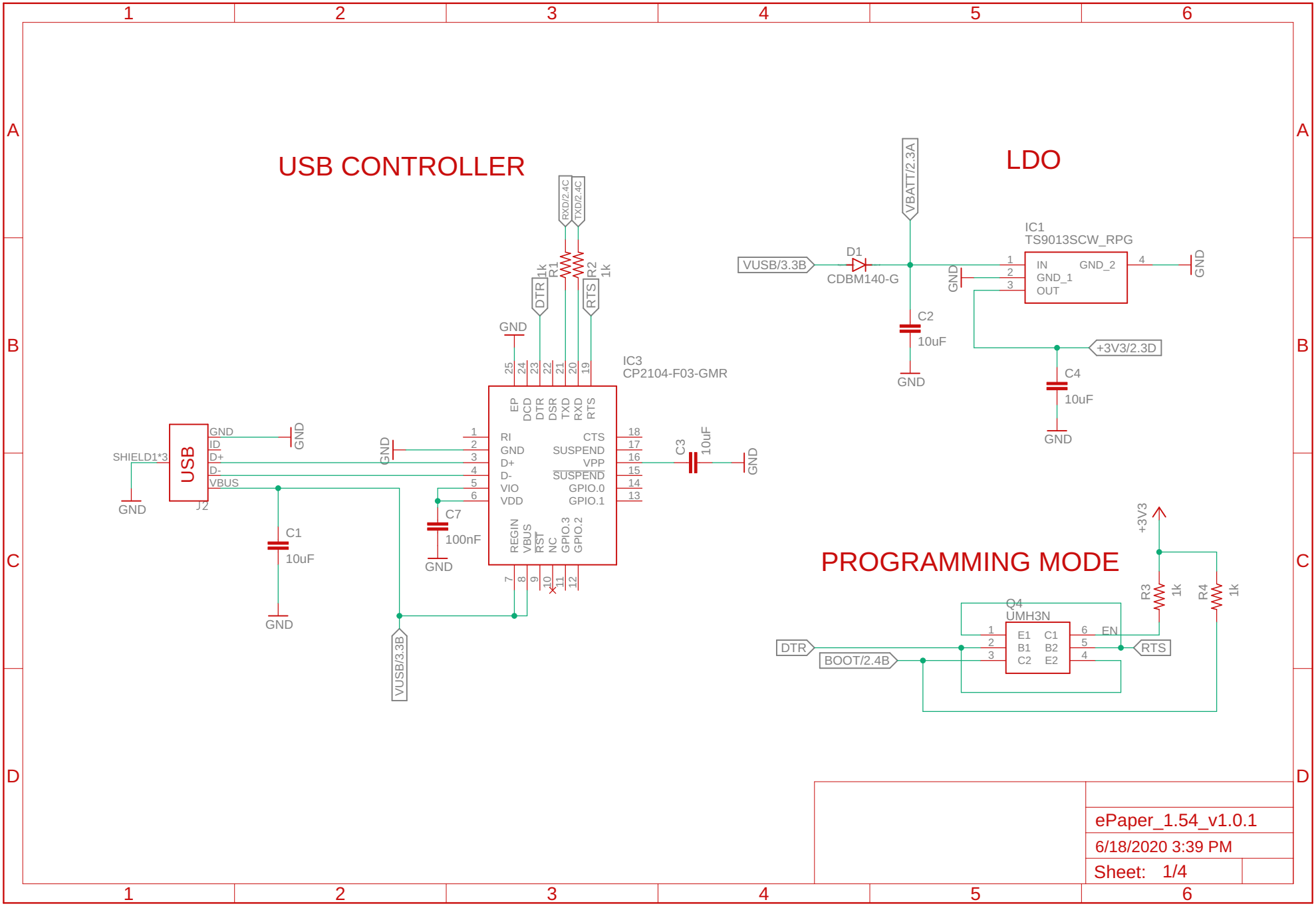
USB CONTROLLER
LDO
PROGRAMMING MODE
IC3
CP2104-F03-GMR
IC1
TS9013SCW_RPG
D1
CDBM140-G
Q4
UMH3N
USB
SHIELD1*3
J2
C1
10uF
C2
10uF
C3
10uF
C4
10uF
C7
100nF
R1
1k
R2
1k
R3
1k
R4
1k
VBATT/2.3A
VUSB/3.3B
+3V3/2.3D
+3V3
DTR
RTS
BOOT/2.4B
RXD/2.4C
TXD/2.4C
GND
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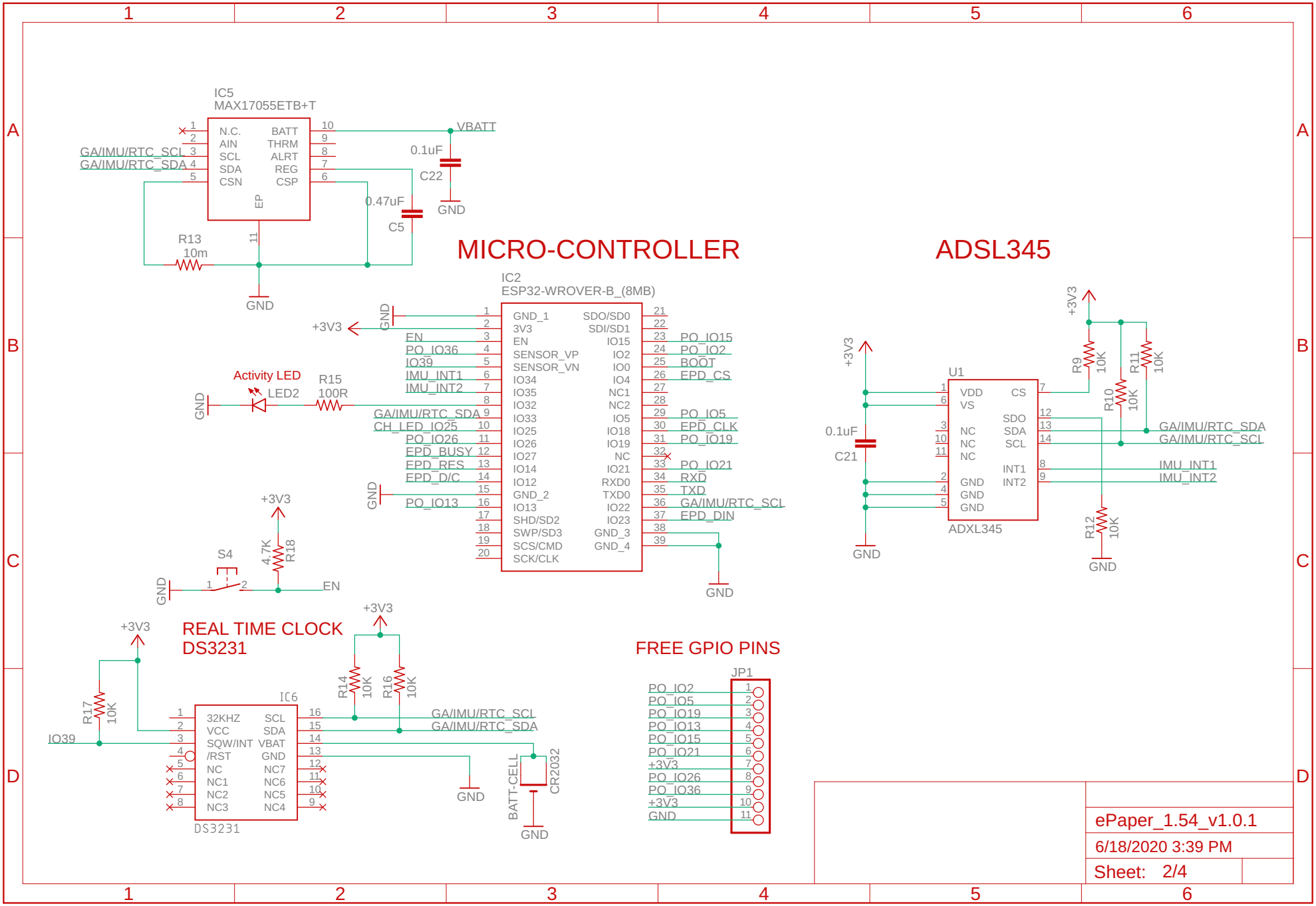
IC5
MAX17055ETB+T
N.C.
AIN
SCL
SDA
CSN
BATT
THRM
ALRT
REG
CSP
EP
GA/IMU/RTC_SCL
GA/IMU/RTC_SDA
VBATT
0.1uF
C22
0.47uF
C5
R13
10m
GND
MICRO-CONTROLLER
IC2
ESP32-WROVER-B_(8MB)
GND_1
3V3
EN
SENSOR_VP
SENSOR_VN
IO34
IO35
IO32
IO33
IO25
IO26
IO27
IO14
IO12
GND_2
IO13
SHD/SD2
SWP/SD3
SCS/CMD
SCK/CLK
SDO/SD0
SDI/SD1
IO15
IO2
IO0
IO4
NC1
NC2
IO5
IO18
IO19
NC
IO21
RXD0
TXD0
IO22
IO23
GND_3
GND_4
+3V3
PO_IO36
IO39
IMU_INT1
IMU_INT2
PO_IO15
PO_IO2
BOOT
EPD_CS
PO_IO5
EPD_CLK
PO_IO19
PO_IO21
RXD
TXD
GA/IMU/RTC_SCL
EPD_DIN
Activity LED
LED2
R15
100R
GA/IMU/RTC_SDA
CH_LED_IO25
PO_IO26
EPD_BUSY
EPD_RES
EPD_D/C
PO_IO13
S4
4.7K
R18
EN
ADSL345
U1
VDD
VS
NC
NC
NC
GND
GND
GND
CS
SDO
SDA
SCL
INT1
INT2
ADXL345
0.1uF
C21
R9
10K
R10
10K
R11
10K
R12
10K
IMU_INT1
IMU_INT2
REAL TIME CLOCK
DS3231
IC6
32KHZ
VCC
SQW/INT
/RST
NC
NC1
NC2
NC3
SCL
SDA
VBAT
GND
NC7
NC6
NC5
NC4
DS3231
R14
10K
R16
10K
R17
10K
IO39
BATT-CELL
CR2032
FREE GPIO PINS
JP1
PO_IO2
PO_IO5
PO_IO19
PO_IO13
PO_IO15
PO_IO21
+3V3
PO_IO26
PO_IO36
+3V3
GND
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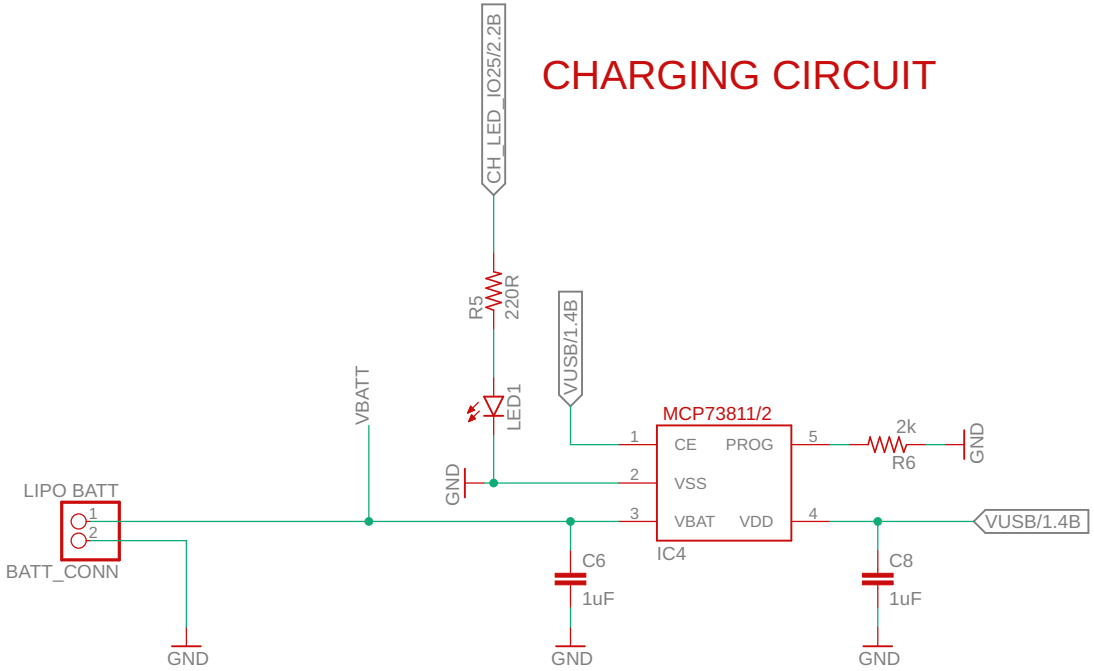
CHARGING CIRCUIT



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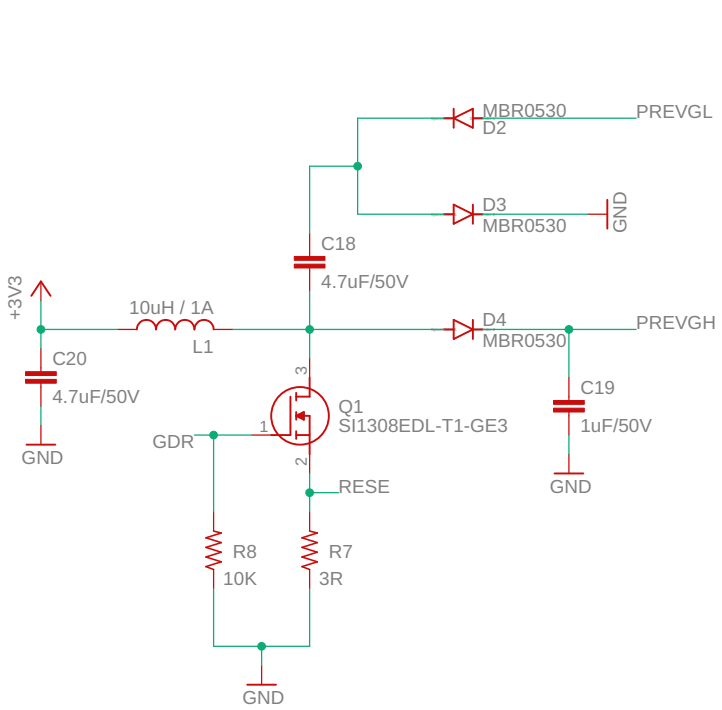
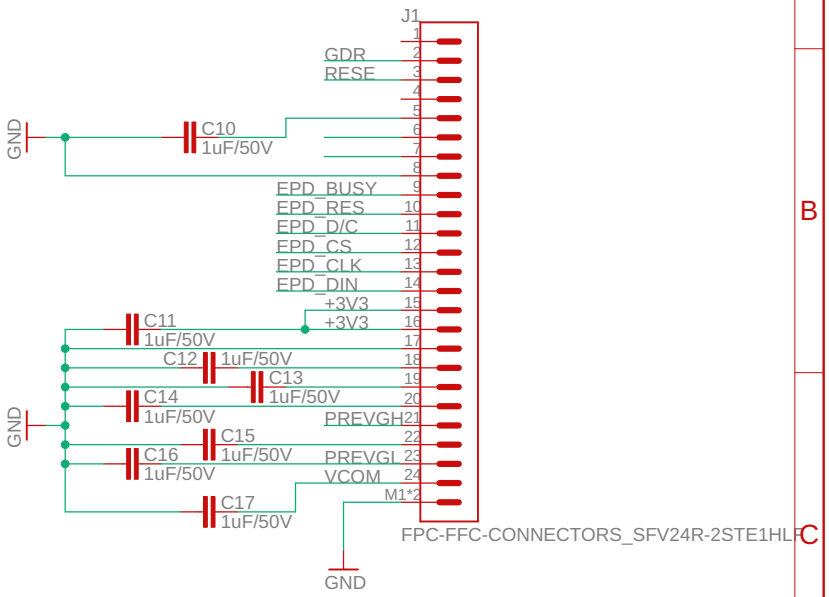
DISPLAY PORT





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