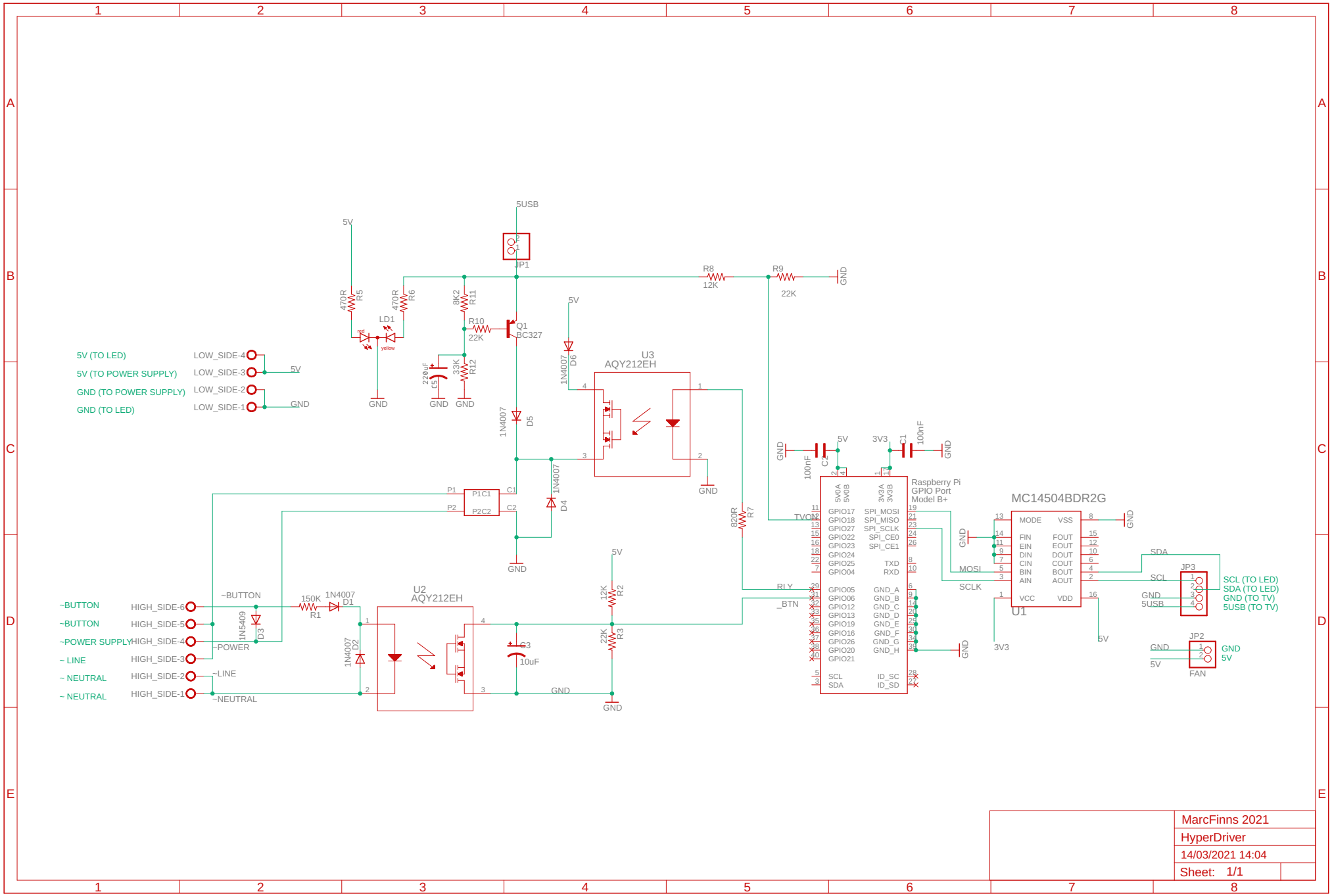
5USB
JP1
5V
470R R5
470R R6
LD1
red
yellow
8K2 R11
R10 22K
Q1 BC327
220uF C5
33K R12
GND
1N4007 D5
1N4007 D6
U3 AQY212EH
R8 12K
R9 22K
5V (TO LED)
5V (TO POWER SUPPLY)
GND (TO POWER SUPPLY)
GND (TO LED)
LOW_SIDE-4
LOW_SIDE-3
LOW_SIDE-2
LOW_SIDE-1
P1C1
P2C2
P1
P2
C1
C2
1N4007 D4
820R R7
100nF C2
3V3
100nF C1
Raspberry Pi GPIO Port Model B+
5V0A 5V0B
3V3A 3V3B
GPIO17 SPI_MOSI
GPIO18 SPI_MISO
GPIO27 SPI_SCLK
GPIO22 SPI_CE0
GPIO23 SPI_CE1
GPIO24
GPIO25 TXD
GPIO04 RXD
GPIO05 GND_A
GPIO06 GND_B
GPIO12 GND_C
GPIO13 GND_D
GPIO19 GND_E
GPIO16 GND_F
GPIO26 GND_G
GPIO20 GND_H
GPIO21
SCL ID_SC
SDA ID_SD
TVON
RLY
_BTN
MOSI
SCLK
MC14504BDR2G
MODE VSS
FIN FOUT
EIN EOUT
DIN DOUT
CIN COUT
BIN BOUT
AIN AOUT
VCC VDD
U1
SDA
SCL
JP3
SCL (TO LED)
SDA (TO LED)
GND (TO TV)
5USB (TO TV)
JP2
FAN
~BUTTON
~BUTTON
~POWER SUPPLY
~ LINE
~ NEUTRAL
~ NEUTRAL
HIGH_SIDE-6
HIGH_SIDE-5
HIGH_SIDE-4
HIGH_SIDE-3
HIGH_SIDE-2
HIGH_SIDE-1
~BUTTON
~POWER
~LINE
~NEUTRAL
1N5409 D3
150K R1
1N4007 D1
1N4007 D2
U2 AQY212EH
12K R2
22K R3
C3 10uF
MarcFinns 2021
HyperDriver
14/03/2021 14:04
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