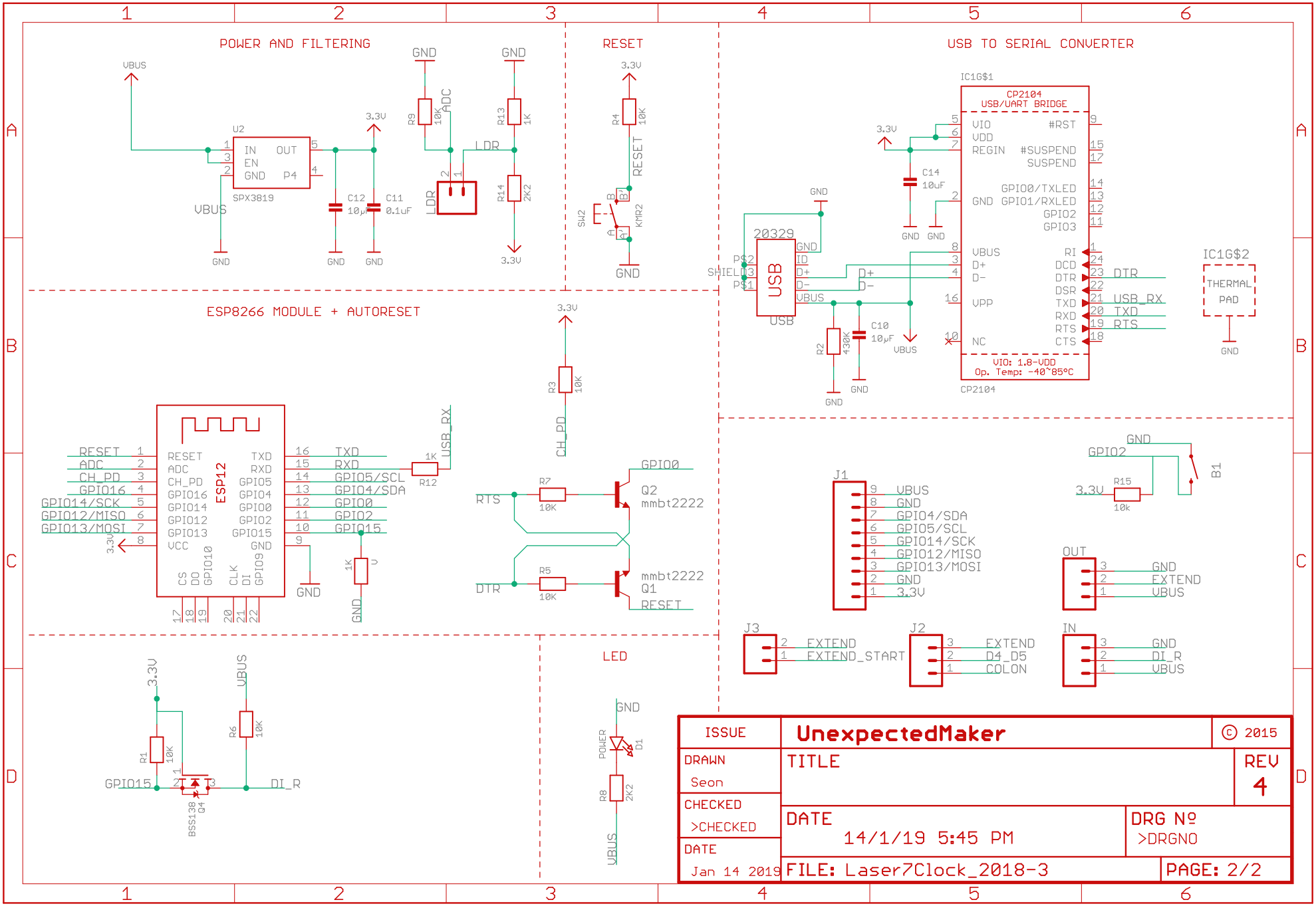
POWER AND FILTERING
VBUS
U2
IN
EN
GND
OUT
P4
SPX3819
3.3V
C12
10µF
C11
0.1uF
GND
R9
10K
ADC
R13
1K
LDR
R14
2K2
RESET
R4
10K
SW2
KMR2
ESP8266 MODULE + AUTORESET
ESP12
RESET
ADC
CH_PD
GPIO16
GPIO14/SCK
GPIO12/MISO
GPIO13/MOSI
VCC
TXD
RXD
GPIO5/SCL
GPIO4/SDA
GPIO0
GPIO2
GPIO15
CS
DO
GPIO10
CLK
DI
GPIO9
R12
1K
USB_RX
R3
10K
CH_PD
R7
10K
R5
10K
RTS
DTR
Q2
mmbt2222
Q1
mmbt2222
USB TO SERIAL CONVERTER
IC1G$1
CP2104
USB/UART BRIDGE
VIO
VDD
REGIN
#RST
#SUSPEND
SUSPEND
GPIO0/TXLED
GPIO1/RXLED
GPIO2
GPIO3
VBUS
D+
D-
VPP
NC
RI
DCD
DTR
DSR
TXD
RXD
RTS
CTS
VIO: 1.8-VDD
Op. Temp: -40~85°C
CP2104
C14
10uF
20329
USB
SHIELD
C10
10µF
R2
430K
IC1G$2
THERMAL
PAD
J1
VBUS
GND
GPIO4/SDA
GPIO5/SCL
GPIO14/SCK
GPIO12/MISO
GPIO13/MOSI
3.3V
R15
10k
B1
OUT
EXTEND
J3
EXTEND_START
J2
D4_D5
COLON
IN
DI_R
LED
POWER
D1
R8
2K2
R1
10K
R6
10K
GPIO15
DI_R
BSS138
Q4
ISSUE
UnexpectedMaker
© 2015
DRAWN
Seon
TITLE
REV
4
CHECKED
>CHECKED
DATE
14/1/19 5:45 PM
DRG Nº
>DRGNO
DATE
Jan 14 2019
FILE: Laser7Clock_2018-3
PAGE: 2/2