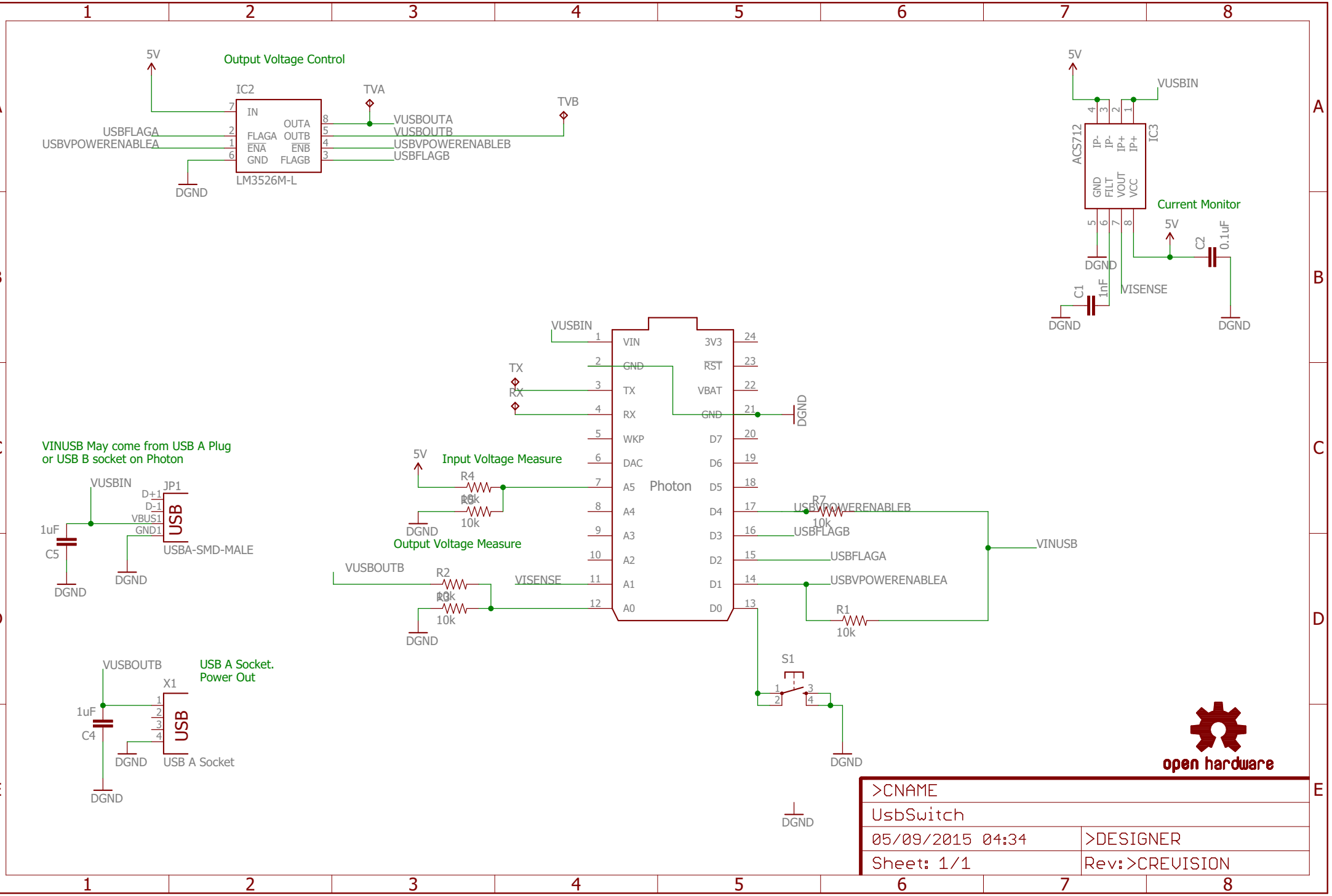
Output Voltage Control
5V
IC2
TVA
TVB
IN
OUTA
FLAGA
OUTB
ENA
ENB
GND
FLAGB
USBFLAGA
USBVPOWERENABLEA
VUSBOUTA
VUSBOUTB
USBVPOWERENABLEB
USBFLAGB
LM3526M-L
DGND
Current Monitor
VUSBIN
ACS712
IC3
IP-
IP-
IP+
IP+
GND
FILT
VOUT
VCC
C2
0.1uF
C1
1nF
VISENSE
Photon
VIN
GND
TX
RX
WKP
DAC
A5
A4
A3
A2
A1
A0
3V3
RST
VBAT
D7
D6
D5
D4
D3
D2
D1
D0
Input Voltage Measure
R4
10k
R5
10k
Output Voltage Measure
R2
10k
R3
10k
R7
10k
R1
10k
VINUSB
VINUSB May come from USB A Plug
or USB B socket on Photon
JP1
USB
USBA-SMD-MALE
1uF
C5
USB A Socket.
Power Out
X1
C4
USB A Socket
S1
open hardware
>CNAME
UsbSwitch
05/09/2015 04:34
>DESIGNER
Sheet: 1/1
Rev:>CREVISION