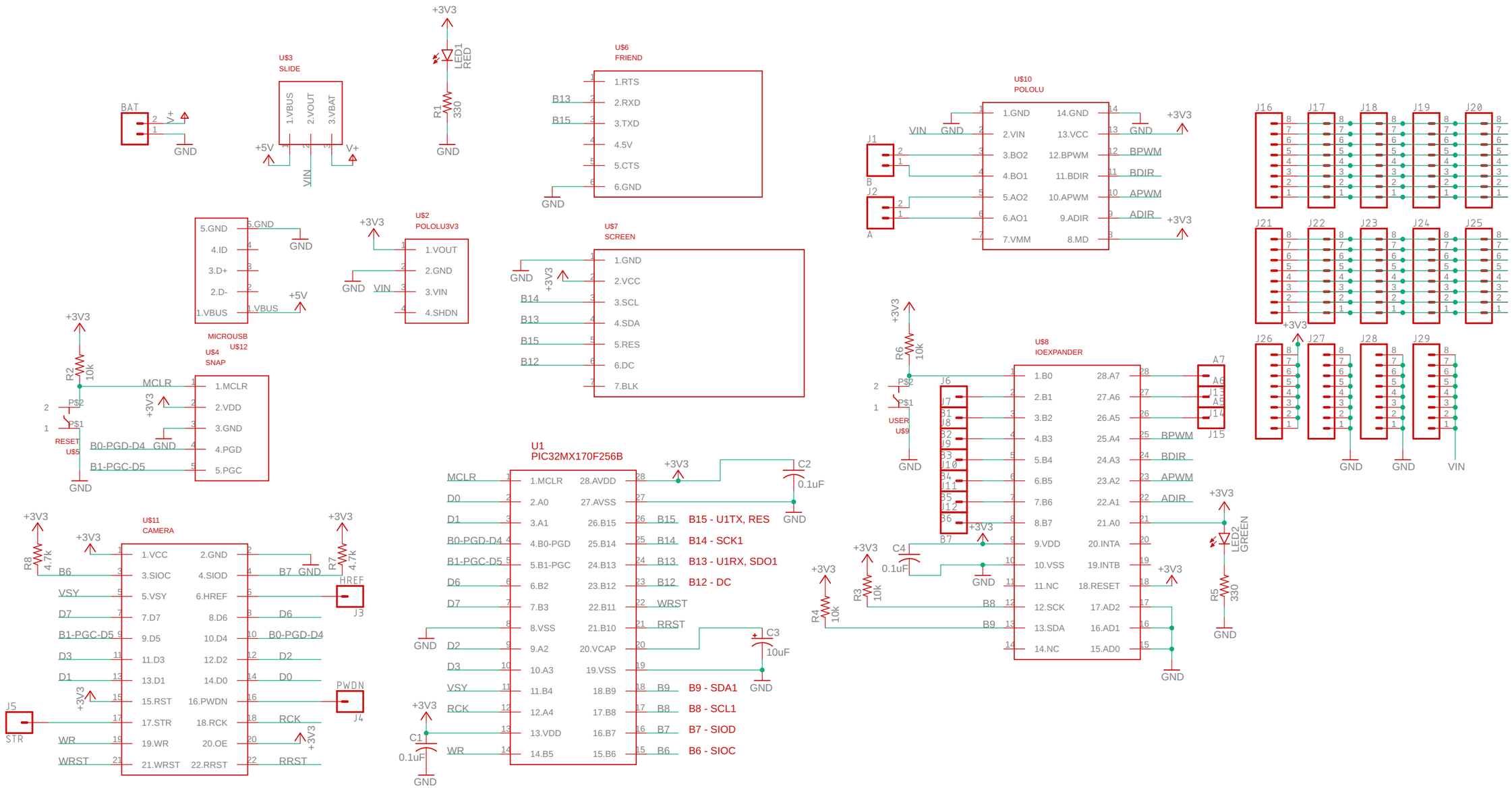
BAT
V+
GND
U$3
SLIDE
1.VBUS
2.VOUT
3.VBAT
+5V
VIN
V+
+3V3
LED1
RED
R1
330
GND
U$6
FRIEND
1.RTS
2.RXD
3.TXD
4.5V
5.CTS
6.GND
B13
B15
GND
U$10
POLOLU
1.GND
2.VIN
3.BO2
4.BO1
5.AO2
6.AO1
7.VMM
14.GND
13.VCC
12.BPWM
11.BDIR
10.APWM
9.ADIR
8.MD
VIN
GND
+3V3
BPWM
BDIR
APWM
ADIR
J1
J2
B
A
5.GND
4.ID
3.D+
2.D-
1.VBUS
+5V
U$2
POLOLU3V3
1.VOUT
2.GND
3.VIN
4.SHDN
U$7
SCREEN
1.GND
2.VCC
3.SCL
4.SDA
5.RES
6.DC
7.BLK
B14
B13
B15
B12
MICROUSB
U$12
U$4
SNAP
1.MCLR
2.VDD
3.GND
4.PGD
5.PGC
MCLR
B0-PGD-D4
B1-PGC-D5
R2
10k
P$2
P$1
RESET
U$5
U1
PIC32MX170F256B
1.MCLR
2.A0
3.A1
4.B0-PGD
5.B1-PGC
6.B2
7.B3
8.VSS
9.A2
10.A3
11.B4
12.A4
13.VDD
14.B5
28.AVDD
27.AVSS
26.B15
25.B14
24.B13
23.B12
22.WRST
21.RRST
20.VCAP
19.VSS
18.B9
17.B8
16.B7
15.B6
B15 - U1TX, RES
B14 - SCK1
B13 - U1RX, SDO1
B12 - DC
B9 - SDA1
B8 - SCL1
B7 - SIOD
B6 - SIOC
C1
0.1uF
C2
0.1uF
C3
10uF
U$11
CAMERA
1.VCC
3.SIOC
5.VSY
7.D7
9.D5
11.D3
13.D1
15.RST
17.STR
19.WR
21.WRST
2.GND
4.SIOD
6.HREF
8.D6
10.D4
12.D2
14.D0
16.PWDN
18.RCK
20.OE
22.RRST
R8
4.7k
R7
4.7k
HREF
J3
PWDN
J4
J5
STR
U$8
IOEXPANDER
1.B0
2.B1
3.B2
4.B3
5.B4
6.B5
7.B6
8.B7
9.VDD
10.VSS
11.NC
12.SCK
13.SDA
14.NC
28.A7
27.A6
26.A5
25.A4
24.A3
23.A2
22.A1
21.A0
20.INTA
19.INTB
18.RESET
17.AD2
16.AD1
15.AD0
R6
10k
USER
U$9
C4
0.1uF
R3
10k
R4
10k
LED2
GREEN
R5
330
J6
J7
J8
J9
J10
J11
J12
J13
J14
J15
J16
J17
J18
J19
J20
J21
J22
J23
J24
J25
J26
J27
J28
J29
VIN