TODO: Verify footpring and pin numbers.

TODO: Verify PCIE pins

+5VF +3V3F

0R R12
0R R14
C4 1u
C7 100n
GND1 GND1
PWR_FLAG

24K R4
R9 1K

J2
SERIAL
TX 1
RX 2
3
GND 4

0R R2
GND1

24K R6
R10 1K

GND1

U3
ESD5344D-TP
GND1

U5
ADUM1201ARZ-RL7
1 VDD1   VDD2 8
2 VOA   VIA 7
3 VIB   VOB 6
4 GND1   GND2 5

+3.3V
C11 100n
GND
PA2
PA3
GND

+3V3F
R15 5K1
R16 5K1
D1 GRN
D2 GRN
GND1 GND

+3.3V

TP5 TP6
GND GND1

PWR_FLAG   J3   PWR_FLAG
                pcie_98
+5V   GND
B1 A1
B2 A2
B3 A3
B4 A4
B5 A5
B6 A6
PC7 B7 A7
B8 A8
B9 A9
B10 A10
B11 A11

B12 A12
B13 A13
B14 A14 PC6
B15 A15
B16 A16
B17 A17
B18 A18
B19 A19
B20 A20
B21 A21 PA2
B22 A22
B23 A23
B24 A24
B25 A25
B26 A26
PA3 B27 A27
B28 A28
B29 A29
B30 A30
B31 A31
B32 A32
B33 A33
B34 A34
B35 A35
B36 A36
B37 A37
B38 A38
B39 A39
B40 A40
B41 A41
B42 A42
B43 A43
B44 A44
B45 A45
B46 A46
B47 A47
B48 A48
B49 A49

+5VF +3V3F

0R R11
0R R13
C3 1u
C6 100n
GND1 GND1
PWR_FLAG

24K R3
R7 1K

J1
DIGITAL
OUT 1
2
IN 3
GND 4

0R R1
GND1

24K R5
R8 1K

GND1

U2
ESD5344D-TP
GND1

U4
ADUM1201ARZ-RL7
1 VDD1   VDD2 8
2 VOA   VIA 7
3 VIB   VOB 6
4 GND1   GND2 5

+3.3V
C10 100n
GND
PC7
PC6
GND

PC7 PC6 PA2 PA3
1 2 4 5
U8
ESD5344D-TP
3
GND

U7
XC6206P332MR
C14289
+5V TP3   TP4
3 VIN VOUT 2   +3.3V
GND 1
C13 10u
C14 100n
C15 100n
C16 10u
GND

U1
B0505MT-1WR4
+5V
13 IN   OUTP 8
14 IN
1 GND   OUTN 6
2 GND   OUTN 7
C1 10u
C2 100n
GND GND GND
TP1
+5VF
C8 100n
C5 10u
C17 100n
GND1 GND1 GND1 GND1

U6
XC6206P332MR
C14289
3 VIN VOUT 2
GND 1
TP2
+3V3F
C9 100n
C12 10u
GND1 GND1

FLOATING POWER SUPPLY

BUS