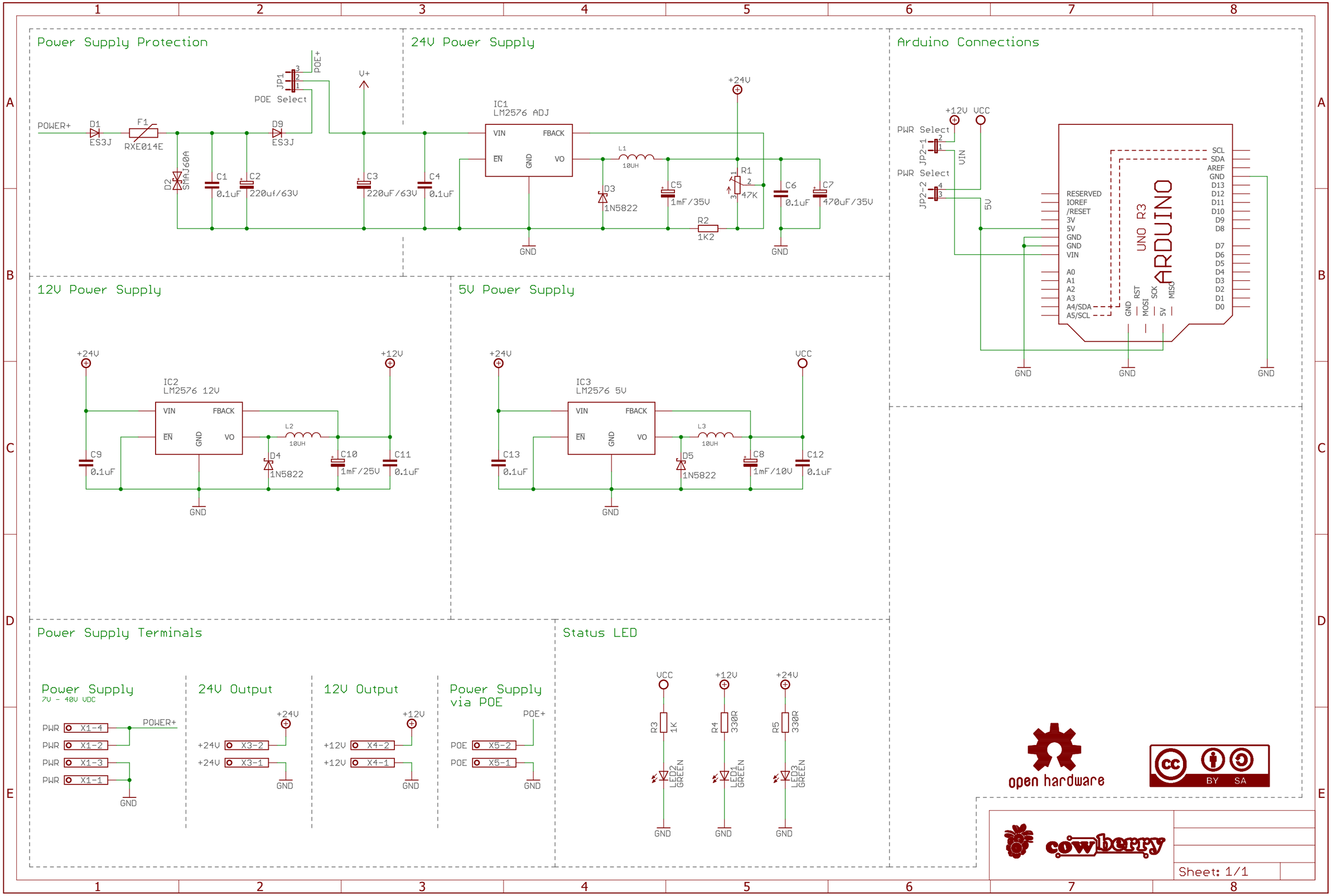
Power Supply Protection
POWER+
D1
ES3J
F1
RXE014E
D2
SMAJ60A
C1
0.1uF
C2
220uf/63V
JP1
POE Select
POE+
D9
ES3J
V+
C3
220uF/63V
C4
0.1uF
24V Power Supply
IC1
LM2576 ADJ
VIN
FBACK
EN
GND
VO
L1
10UH
D3
1N5822
C5
1mF/35V
R1
47K
R2
1K2
C6
0.1uF
C7
470uF/35V
+24V
GND
Arduino Connections
+12V
VCC
PWR Select
JP2-1
JP2-2
VIN
5V
RESERVED
IOREF
/RESET
3V
5V
GND
GND
VIN
A0
A1
A2
A3
A4/SDA
A5/SCL
UNO R3
ARDUINO
SCL
SDA
AREF
GND
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0
GND
RST
MOSI
SCK
5V
MISO
12V Power Supply
IC2
LM2576 12V
C9
0.1uF
L2
10UH
D4
1N5822
C10
1mF/25V
C11
0.1uF
5V Power Supply
IC3
LM2576 5V
C13
0.1uF
L3
10UH
D5
1N5822
C8
1mF/10V
C12
0.1uF
Power Supply Terminals
Power Supply
7V - 40V VDC
PWR X1-4
PWR X1-2
PWR X1-3
PWR X1-1
POWER+
24V Output
+24V X3-2
+24V X3-1
12V Output
+12V X4-2
+12V X4-1
Power Supply via POE
POE X5-2
POE X5-1
Status LED
R3 1K
R4 330R
R5 330R
LED2 GREEN
LED1 GREEN
LED3 GREEN
open hardware
BY SA
cowberry
Sheet: 1/1