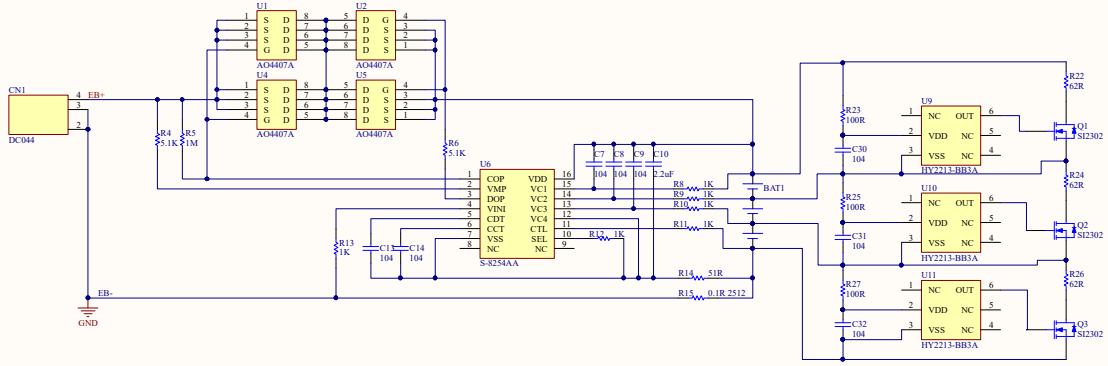
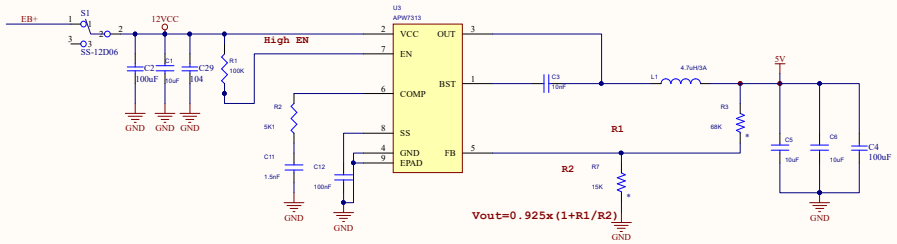
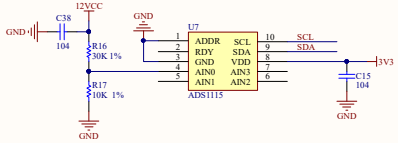
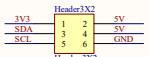
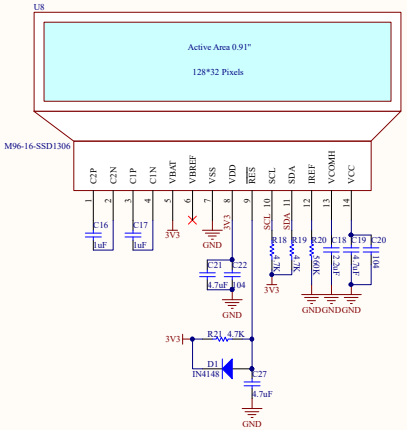
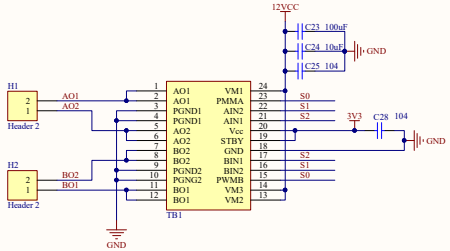

CN1
DC044
EB+
EB-
GND
U1
U2
U4
U5
AO4407A
R4 5.1K
R5 1M
R6 5.1K
U6
S-8254AA
COP
VMP
DOP
VINI
CDT
CCT
VSS
NC
VDD
VC1
VC2
VC3
VC4
CTL
SEL
C7 104
C8 104
C9 104
C10 2.2uF
R8 1K
R9 1K
R10 1K
R11 1K
R12 1K
R13 1K
C11 104
C14 104
R14 51R
R15 0.1R 2512
BAT1
U9
U10
U11
HY2213-BB3A
NC
OUT
VDD
VSS
R23 100R
R25 100R
R27 100R
C30 104
C31 104
C32 104
R22 62R
R24 62R
R26 62R
Q1 SI2302
Q2 SI2302
Q3 SI2302

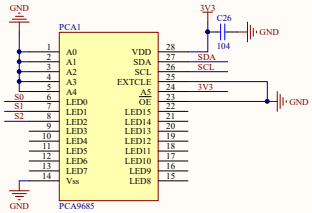

EB+
S1
Q3
SS-12D06
12VCC
C2 100uF
C1 10uF
C29 104
R1 100K
High EN
U3
APW7313
VCC
EN
COMP
SS
GND
EPAD
OUT
BST
FB
C3 10nF
L1 4.7uH/3A
5V
R3 68K
R2 5K1
C11 1.5nF
C12 100nF
R1
R2
R7 15K
Vout=0.925x(1+R1/R2)
C5 10uF
C6 10uF
C4 100uF
GND

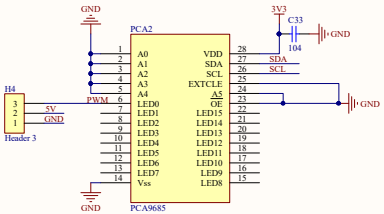

12VCC
GND
C38 104
R16 30K 1%
R17 10K 1%
U7
ADS1115
ADDR
RDY
GND
AIN0
AIN1
SCL
SDA
VDD
AIN3
AIN2
3V3
C15 104


3V3
SDA
SCL
Header3X2
5V
GND


U8
Active Area 0.91"
128*32 Pixels
M96-16-SSD1306
C2P
C2N
C1P
C1N
VBAT
VBREF
VSS
VDD
RES
SCL
SDA
IREF
VCOMH
VCC
C16 1uF
C17 1uF
3V3
GND
C21 4.7uF
C22 104
R18 4.7K
R19 4.7K
R20 499K
C18 2.2uF
C19 2.2uF
C20 104
R21 4.7K
D1 IN4148
C27 4.7uF


12VCC
C23 100uF
C24 10uF
C25 104
GND
H1
Header 2
H2
Header 2
AO1
AO2
BO2
BO1
TB1
AO1
PGND1
AO2
BO2
PGND2
BO1
VM1
PMMA
AIN2
AIN1
Vcc
STBY
GND
BIN1
BIN2
PWMB
VM3
VM2
S0
S1
S2
3V3
C28 104


GND
PCA1
PCA9685
A0
A1
A2
A3
A4
LED0
LED1
LED2
LED3
LED4
LED5
LED6
LED7
Vss
VDD
SDA
SCL
EXTCLE
A5
OE
LED15
LED14
LED13
LED12
LED11
LED10
LED9
LED8
S0
S1
S2
3V3
C26 104
SDA
SCL


GND
PCA2
PCA9685
H4
Header 3
5V
GND
PWM
A0
A1
A2
A3
A4
LED0
LED1
LED2
LED3
LED4
LED5
LED6
LED7
Vss
VDD
SDA
SCL
EXTCLE
A5
OE
LED15
LED14
LED13
LED12
LED11
LED10
LED9
LED8
3V3
C33 104