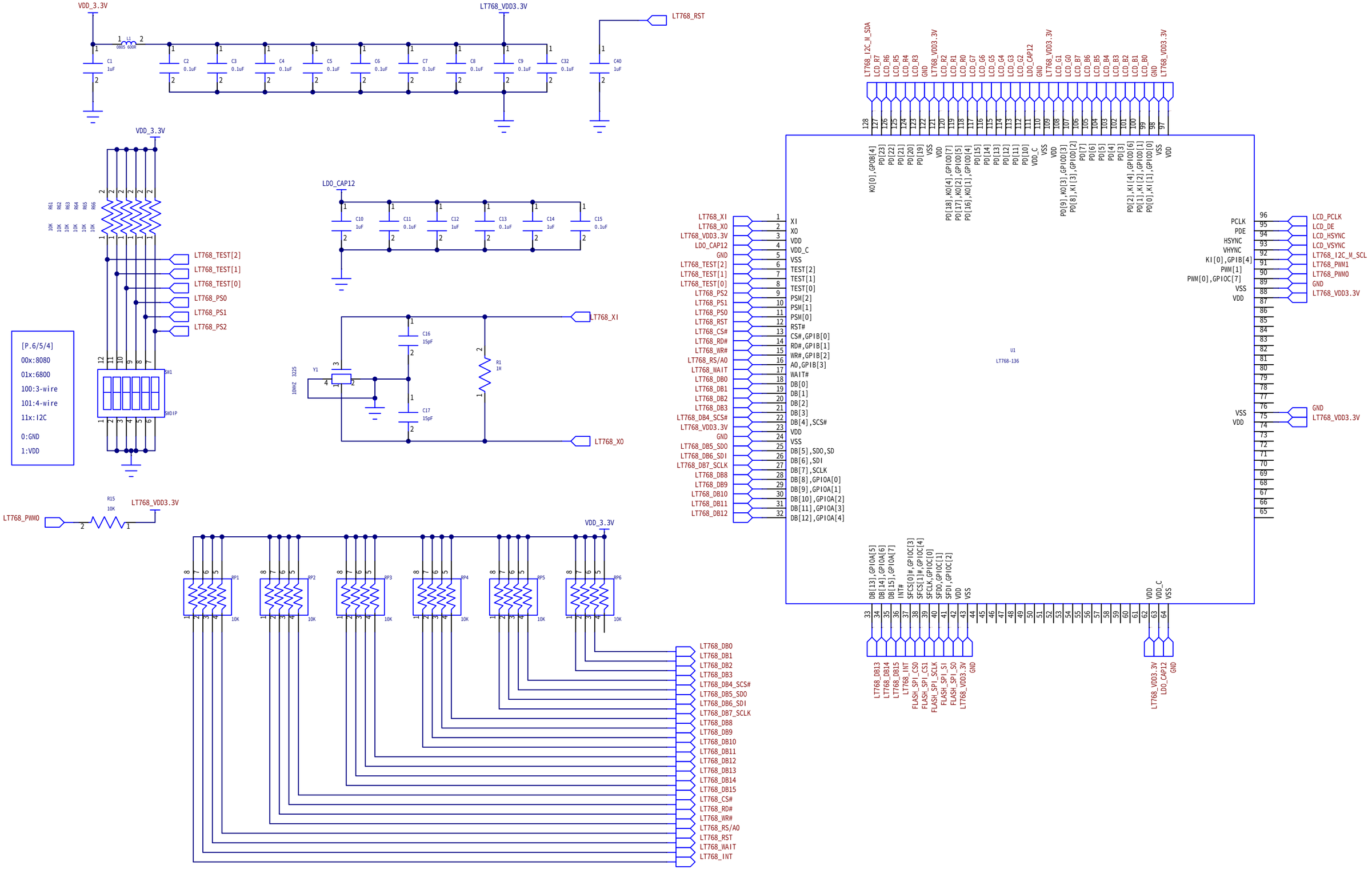
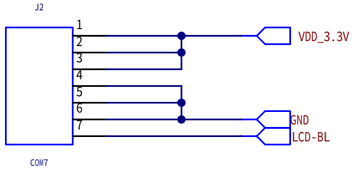
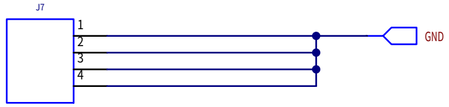
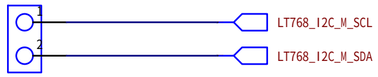

VDD_3.3V
LT768_VDD3.3V
LT768_RST
L1
0805 600R
C1 1uF
C2 0.1uF
C3 0.1uF
C4 0.1uF
C5 0.1uF
C6 0.1uF
C7 0.1uF
C8 0.1uF
C9 0.1uF
C32 0.1uF
C40 1uF
VDD_3.3V
R61 10K
R62 10K
R63 10K
R64 10K
R65 10K
R66 10K
LT768_TEST[2]
LT768_TEST[1]
LT768_TEST[0]
LT768_PS0
LT768_PS1
LT768_PS2
SW1
SWDIP
[P.6/5/4]
00x:8080
01x:6800
100:3-wire
101:4-wire
11x:I2C
0:GND
1:VDD
LDO_CAP12
C10 1uF
C11 0.1uF
C12 1uF
C13 0.1uF
C14 1uF
C15 0.1uF
LT768_XI
LT768_XO
Y1
10MHZ 3225
C16 15pF
C17 15pF
R1 1M
LT768_I2C_M_SDA
LT768_R7
LCD_R6
LCD_R5
LCD_R4
LCD_R3
GND
LT768_VDD3.3V
LCD_R2
LCD_R1
LCD_R0
LCD_G7
LCD_G6
LCD_G5
LCD_G4
LCD_G3
LCD_G2
LDO_CAP12
GND
LT768_VDD3.3V
LCD_G1
LCD_G0
LCD_B7
LCD_B6
LCD_B5
LCD_B4
LCD_B3
LCD_B2
LCD_B1
LCD_B0
GND
LT768_VDD3.3V
KO[0],GPOB[4]
PD[23]
PD[22]
PD[21]
PD[20]
PD[19]
VSS
VDD
PD[18],KO[4],GPIOD[7]
PD[17],KO[2],GPIOD[5]
PD[16],KO[1],GPIOD[4]
PD[15]
PD[14]
PD[13]
PD[12]
PD[11]
PD[10]
VDD_C
VSS
VDD
PD[9],KO[3],GPIOD[3]
PD[8],KI[3],GPIOD[2]
PD[7]
PD[6]
PD[5]
PD[4]
PD[3]
PD[2],KI[4],GPIOD[6]
PD[1],KI[2],GPIOD[1]
PD[0],KI[1],GPIOD[0]
VSS
VDD
LT768_XI
LT768_XO
LT768_VDD3.3V
LDO_CAP12
GND
LT768_TEST[2]
LT768_TEST[1]
LT768_TEST[0]
LT768_PS2
LT768_PS1
LT768_PS0
LT768_RST
LT768_CS#
LT768_RD#
LT768_WR#
LT768_RS/A0
LT768_WAIT
LT768_DB0
LT768_DB1
LT768_DB2
LT768_DB3
LT768_DB4_SCS#
LT768_VDD3.3V
GND
LT768_DB5_SDO
LT768_DB6_SDI
LT768_DB7_SCLK
LT768_DB8
LT768_DB9
LT768_DB10
LT768_DB11
LT768_DB12
XI
XO
VDD
VDD_C
VSS
TEST[2]
TEST[1]
TEST[0]
PSM[2]
PSM[1]
PSM[0]
RST#
CS#,GPIB[0]
RD#,GPIB[1]
WR#,GPIB[2]
A0,GPIB[3]
WAIT#
DB[0]
DB[1]
DB[2]
DB[3]
DB[4],SCS#
VDD
VSS
DB[5],SDO,SD
DB[6],SDI
DB[7],SCLK
DB[8],GPIOA[0]
DB[9],GPIOA[1]
DB[10],GPIOA[2]
DB[11],GPIOA[3]
DB[12],GPIOA[4]
U1
LT768-136
PCLK
PDE
HSYNC
VHYNC
KI[0],GPIB[4]
PWM[1]
PWM[0],GPIOC[7]
VSS
VDD
LCD_PCLK
LCD_DE
LCD_HSYNC
LCD_VSYNC
LT768_I2C_M_SCL
LT768_PWM1
LT768_PWMO
GND
LT768_VDD3.3V
VSS
VDD
GND
LT768_VDD3.3V
R15 10K
LT768_PWMO
LT768_VDD3.3V
VDD_3.3V
RP1 10K
RP2 10K
RP3 10K
RP4 10K
RP5 10K
RP6 10K
DB[13],GPIOA[5]
DB[14],GPIOA[6]
DB[15],GPIOA[7]
INT#
SFCS[0]#,GPIOC[3]
SFCS[1]#,GPIOC[4]
SFCLK,GPIOC[0]
SFDO,GPIOC[1]
SFDI,GPIOC[2]
VDD
VSS
VDD
VDD_C
VSS
LT768_DB13
LT768_DB14
LT768_DB15
LT768_INT
FLASH_SPI_CS0
FLASH_SPI_CS1
FLASH_SPI_SCLK
FLASH_SPI_SI
FLASH_SPI_SO
LT768_VDD3.3V
GND
LT768_VDD3.3V
LDO_CAP12
GND
LT768_DB0
LT768_DB1
LT768_DB2
LT768_DB3
LT768_DB4_SCS#
LT768_DB5_SDO
LT768_DB6_SDI
LT768_DB7_SCLK
LT768_DB8
LT768_DB9
LT768_DB10
LT768_DB11
LT768_DB12
LT768_DB13
LT768_DB14
LT768_DB15
LT768_CS#
LT768_RD#
LT768_WR#
LT768_RS/A0
LT768_RST
LT768_WAIT
LT768_INT

VDD3.3V

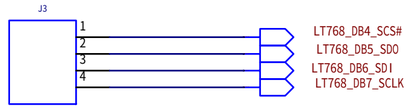


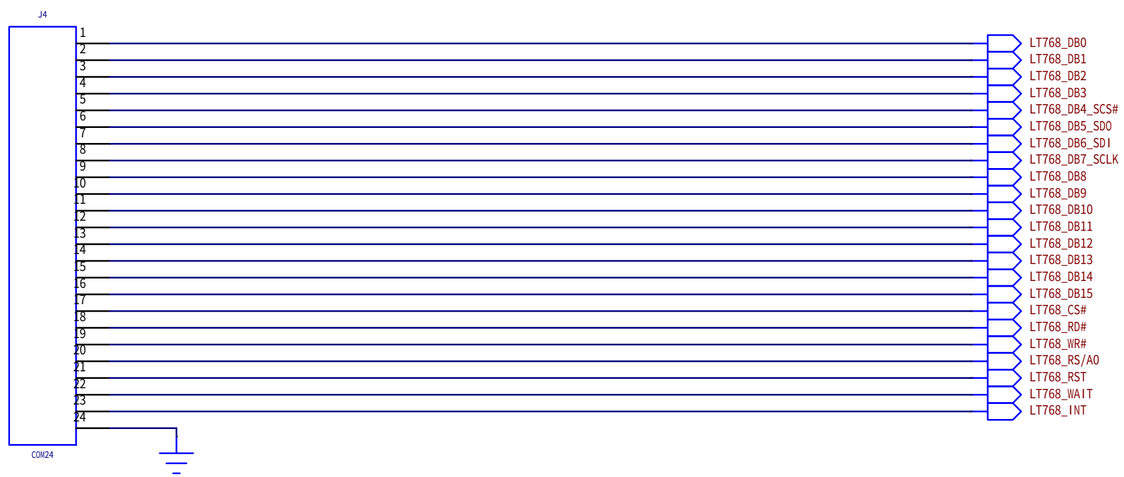

I2C

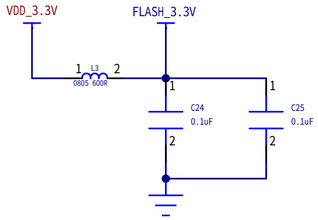


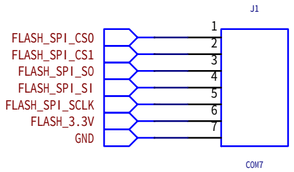

4 SPI

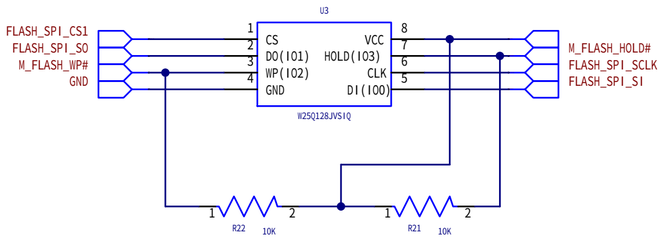


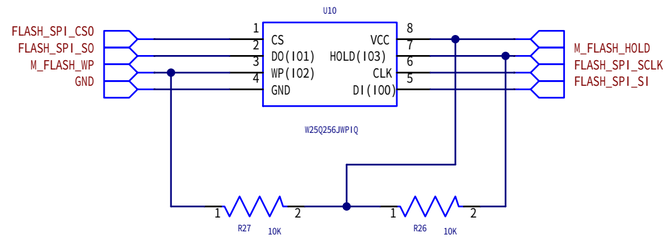

LPT 16BIT

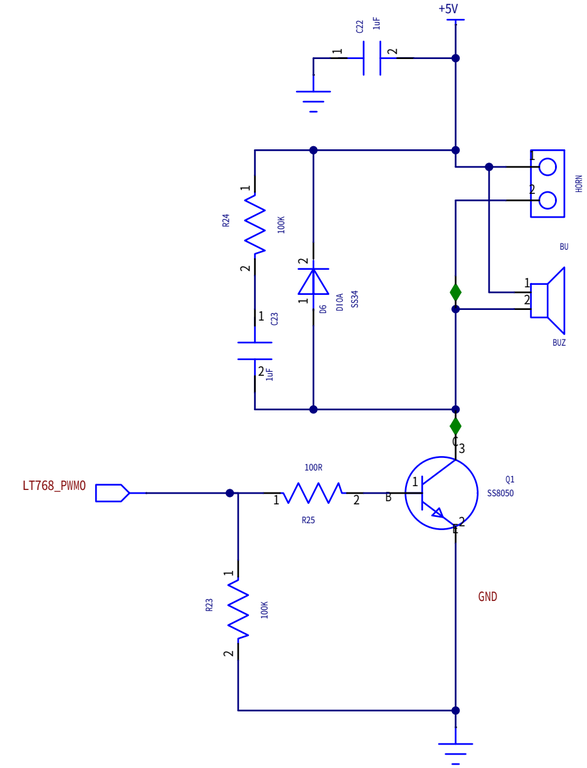


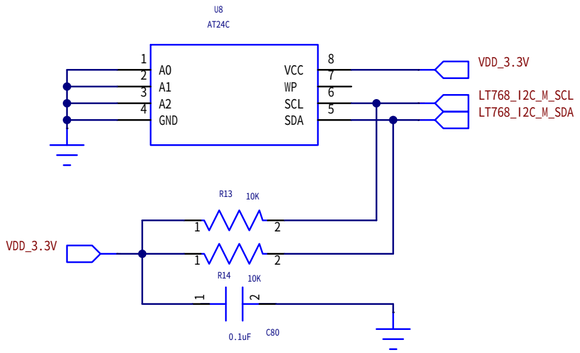

VDD_3.3V
FLASH_3.3V
L3
0805 600R
C24
0.1uF
C25
0.1uF


J1
FLASH_SPI_CS0
FLASH_SPI_CS1
FLASH_SPI_SO
FLASH_SPI_SI
FLASH_SPI_SCLK
FLASH_3.3V
GND
COM7


U3
FLASH_SPI_CS1
FLASH_SPI_SO
M_FLASH_WP#
GND
CS
DO(IO1)
WP(IO2)
GND
VCC
HOLD(IO3)
CLK
DI(IO0)
M_FLASH_HOLD#
FLASH_SPI_SCLK
FLASH_SPI_SI
W25Q128JVSIQ
R22
10K
R21
10K


U10
FLASH_SPI_CS0
FLASH_SPI_SO
M_FLASH_WP
GND
CS
DO(IO1)
WP(IO2)
GND
VCC
HOLD(IO3)
CLK
DI(IO0)
M_FLASH_HOLD
FLASH_SPI_SCLK
FLASH_SPI_SI
W25Q256JWPIQ
R27
10K
R26
10K


+5V
C22
1uF
R24
100K
C23
1uF
D6
D10A
SS34
HORN
BU
BUZ
LT768_PWM0
100R
R25
Q1
SS8050
R23
100K
GND


U8
AT24C
A0
A1
A2
GND
VCC
WP
SCL
SDA
VDD_3.3V
LT768_I2C_M_SCL
LT768_I2C_M_SDA
R13
10K
R14
10K
VDD_3.3V
0.1uF
C80

# LCD interface display

TP1 TP2 TP3 TP4 ATP

LCD_PCLK — R16 22 — PCLK
LCD_DE — R17 22 — DE
LCD_VSYNC — R18 22 — VSYNC
LCD_HSYNC — R19 22 — HSYNC

10K R20 — DE

RP7 100R: LCD_R0..LCD_R3 → R0..R3
RP8 100R: LCD_R4..LCD_R7 → R4..R7
RP9 100R: LCD_G0..LCD_G3 → G0..G3
RP10 100R: LCD_G4..LCD_G7 → G4..G7
RP11 100R: LCD_B0..LCD_B3 → B0..B3
RP12 100R: LCD_B4..LCD_B7 → B4..B7

VDD_3.3V
10K NC R21 — LCD-MODE
10K R22 — LCD-DITHB
10K NC R23 — LCD-L/R
10K R24 — LCD-U/D
10K NC R25

VDD_3.3V
C18 1uF, C19 0.1uF

J6 COM40:
LEDK, LEDA, GND, R0, R1, R2, R3, R4, R5, R6, R7, G0, G1, G2, G3, G4, G5, G6, G7, B0, B1, B2, B3, B4, B5, B6, B7, GND, PCLK, ON/OFF, HSYNC, VSYNC, DE

VDD_3.3V
10K R10 — ON/OFF

+5V
C20 1uF, C21 0.1uF
GND

LCD-VCOM
C71 0.1uF

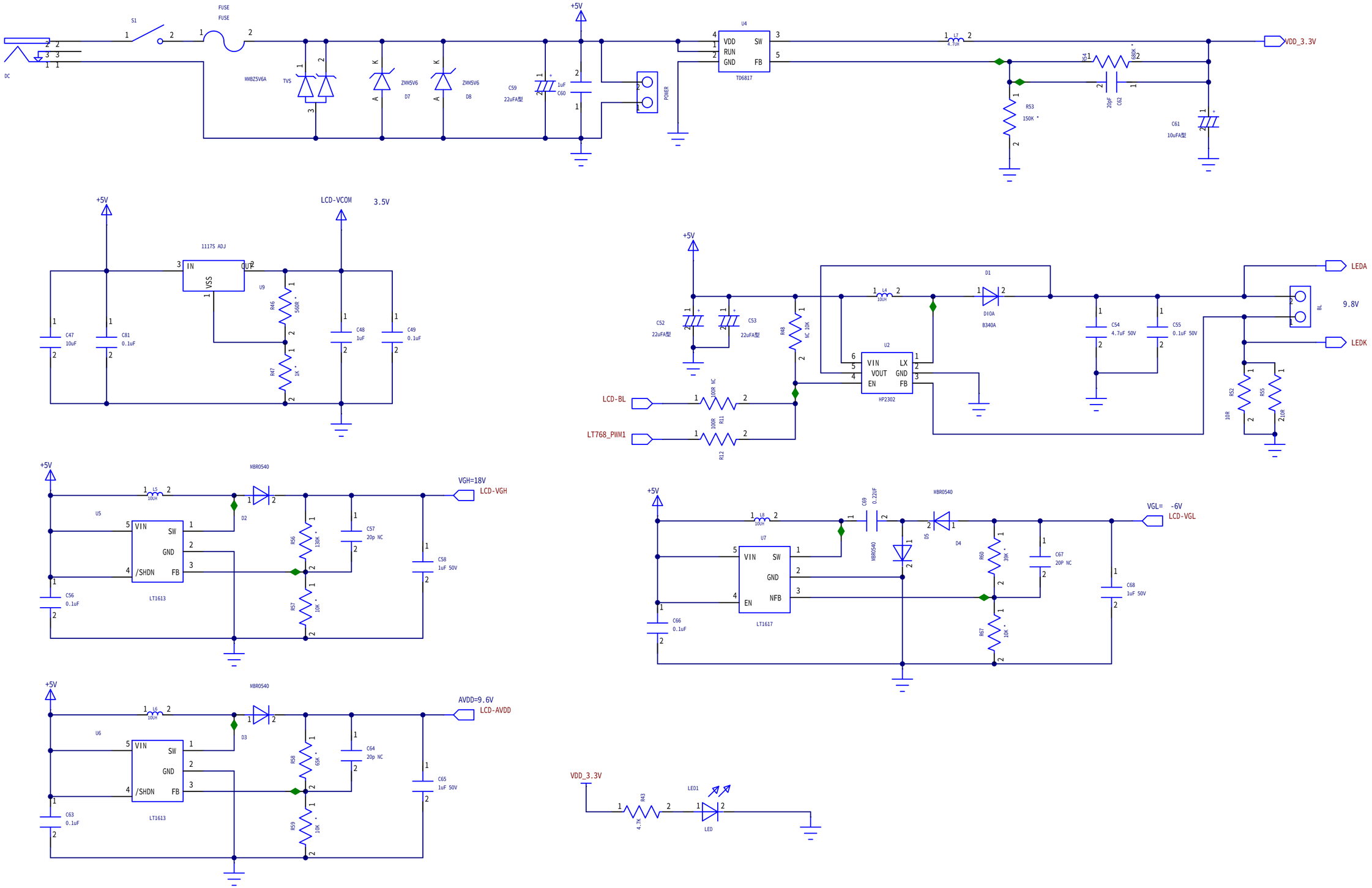
VDD_3.3V
C72 0.1uF

VDD_3.3V
10K R73
C33 1uF

LCD-VCOM
C73 0.1uF

J5 COM50:
LEDA, LEDK, GND, LCD-MODE, DE, VSYNC, HSYNC, B7, B6, B5, B4, B3, B2, B1, B0, G7, G6, G5, G4, G3, G2, G1, G0, R7, R6, R5, R4, R3, R2, R1, R0, GND, PCLK, GND, LCD-L/R, LCD-U/D, LCD-VGH, LCD-VGL, LCD-AVDD, LCD-DITHB, GND

LCD-VGL
C70 0.1uF


S1
FUSE
FUSE
DC
MMBZ5V6A
TVS
ZMM5V6
D7
ZMM5V6
D8
C59
22uFA型
1uF
C60
+5V
POWER
U4
VDD
RUN
GND
SW
FB
TD6817
L7
4.7uH
VDD_3.3V
R54
680K *
20pF
C62
R53
150K *
C61
10uFA型
+5V
LCD-VCOM
3.5V
1117S ADJ
IN
OUT
VSS
U9
C47
10uF
C81
0.1uF
R46
560K *
R47
1K *
C48
1uF
C49
0.1uF
+5V
MBR0540
VGH=18V
LCD-VGH
U5
VIN
SW
GND
/SHDN
FB
LT1613
L5
10uH
D2
C56
0.1uF
R56
130K *
R57
10K *
C57
20p NC
C58
1uF 50V
+5V
MBR0540
AVDD=9.6V
LCD-AVDD
U6
VIN
SW
GND
/SHDN
FB
LT1613
L6
10uH
D3
C63
0.1uF
R58
68K *
R59
10K *
C64
20p NC
C65
1uF 50V
+5V
C52
22uFA型
C53
22uFA型
R48
NC 10K
L4
10UH
D1
D10A
B340A
U2
VIN
VOUT
EN
LX
GND
FB
HP2302
C54
4.7uF 50V
C55
0.1uF 50V
BL
9.8V
LEDA
LEDK
LCD-BL
LT768_PWM1
100R NC
R11
100R
R12
R52
10R
R55
10R
+5V
MBR0540
C69
0.22UF
L8
10UH
U7
VIN
SW
GND
EN
NFB
LT1617
D4
D5
MBR0540
C66
0.1uF
R60
39K *
R67
10K *
C67
20P NC
C68
1uF 50V
VGL= -6V
LCD-VGL
VDD_3.3V
R43
4.7K
LED1
LED