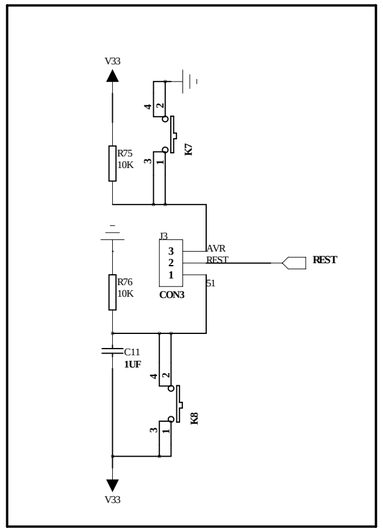
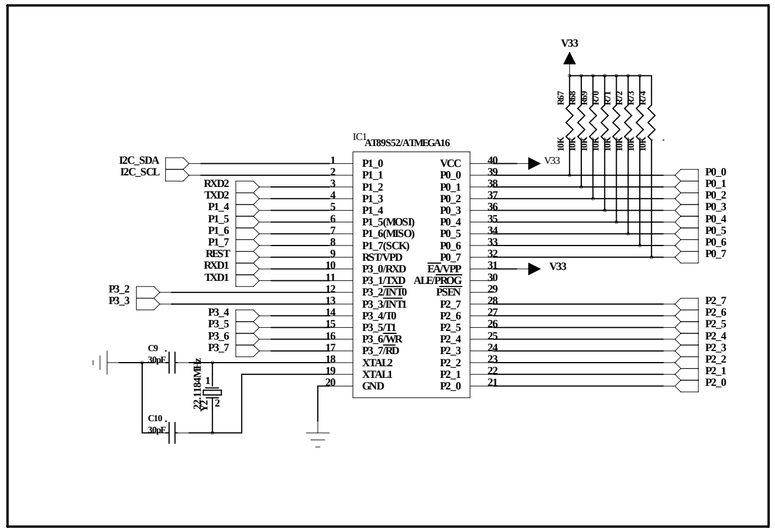
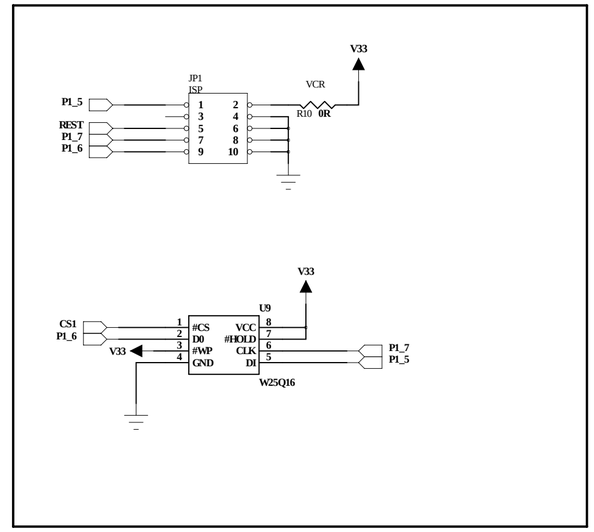
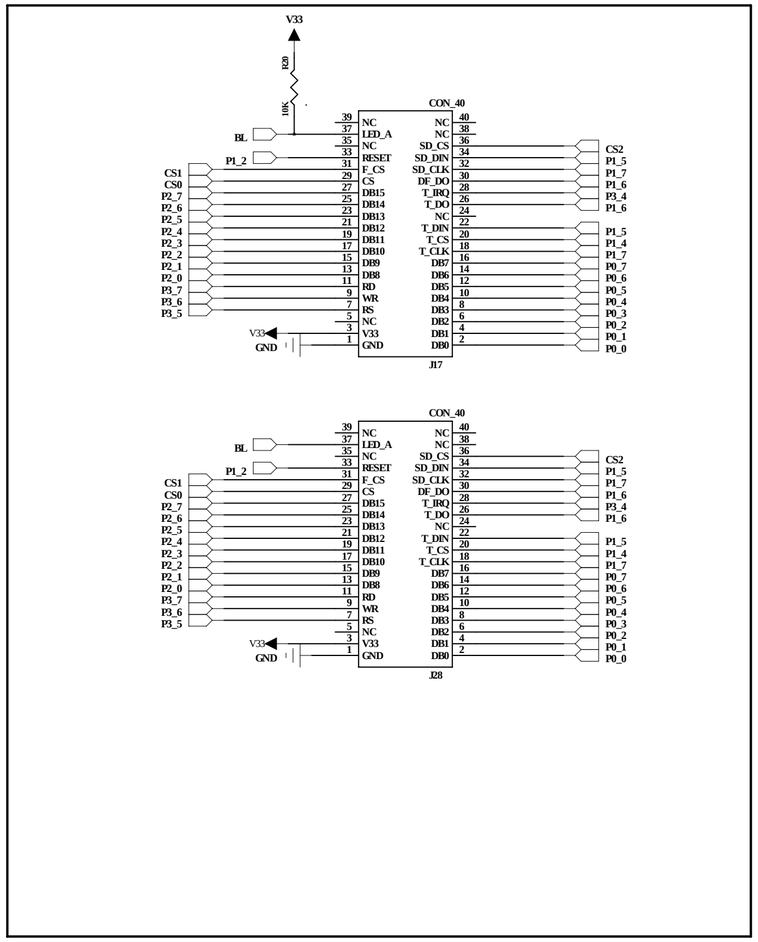
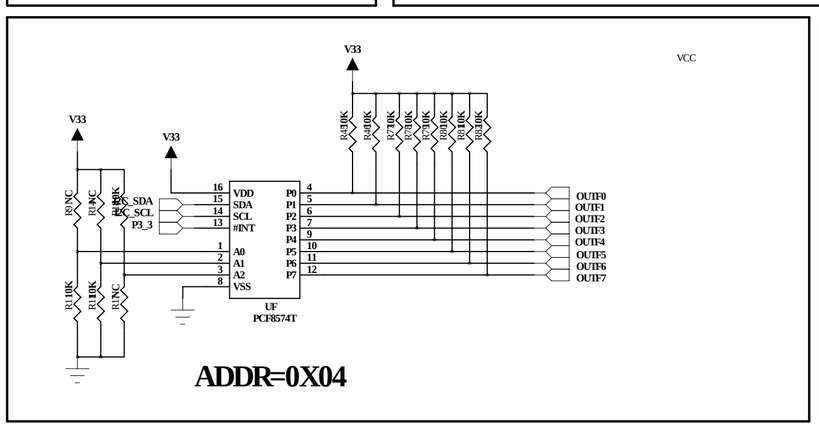
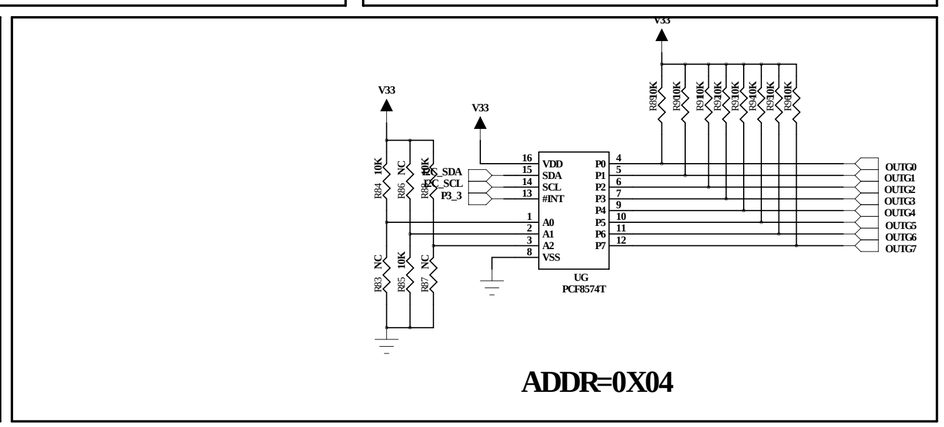

V33
K7
R75 10K
J3
AVR
RESET
REST
CON3
R76 10K
51
C11 1UF
K8
V33

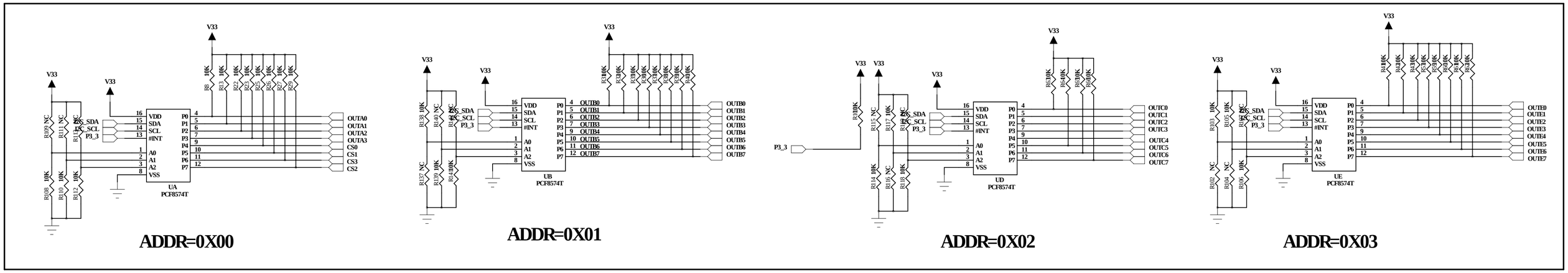

IC1
AT89S52/ATMEGA16
I2C_SDA
I2C_SCL
RXD2
TXD2
REST
RXD1
TXD1
C9 30pF
C10 30pF
22.1184MHz
Y2
V33
P0_0
P0_1
P0_2
P0_3
P0_4
P0_5
P0_6
P0_7
P2_7
P2_6
P2_5
P2_4
P2_3
P2_2
P2_1
P2_0

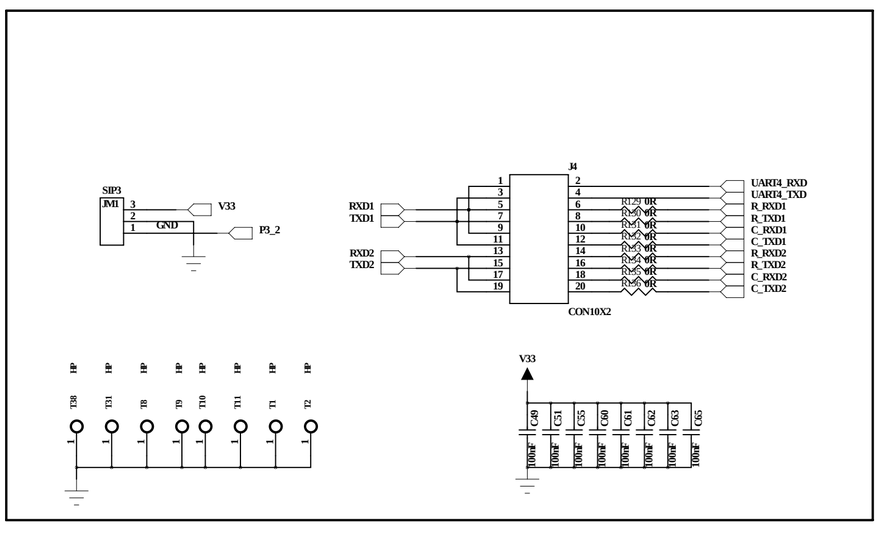

JP1
ISP
VCR
R10 0R
P1_5
REST
P1_7
P1_6
U9
W25Q16
#CS
D0
#WP
GND
VCC
#HOLD
CLK
DI
CS1
P1_6
P1_7
P1_5

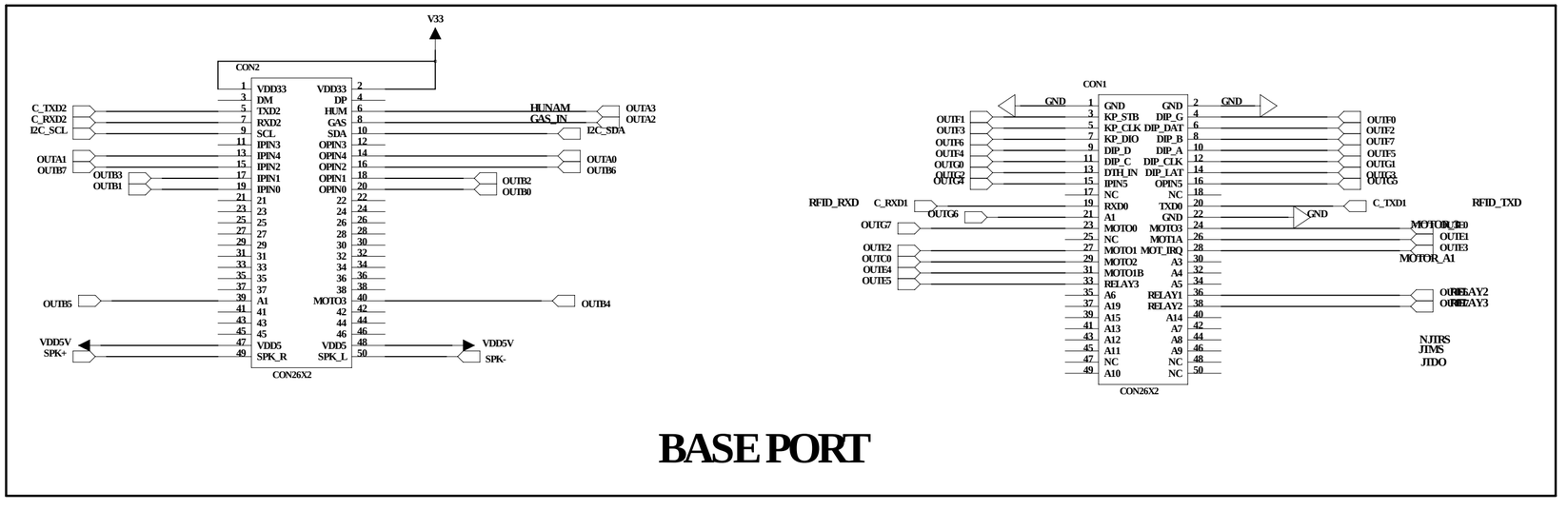

CON_40
J17
J28
BL
P1_2
CS1
CS0
NC
LED_A
RESET
F_CS
CS
DB15
DB14
DB13
DB12
DB11
DB10
DB9
DB8
RD
WR
RS
V33
GND
SD_CS
SD_DIN
SD_CLK
DF_DO
T_IRQ
T_DO
T_DIN
T_CS
T_CLK
DB7
DB6
DB5
DB4
DB3
DB2
DB1
DB0
CS2
P1_5
P1_4
P1_7
P0_7
P0_6
P0_5
P0_4
P0_3
P0_2
P0_1
P0_0
P3_4
P1_6

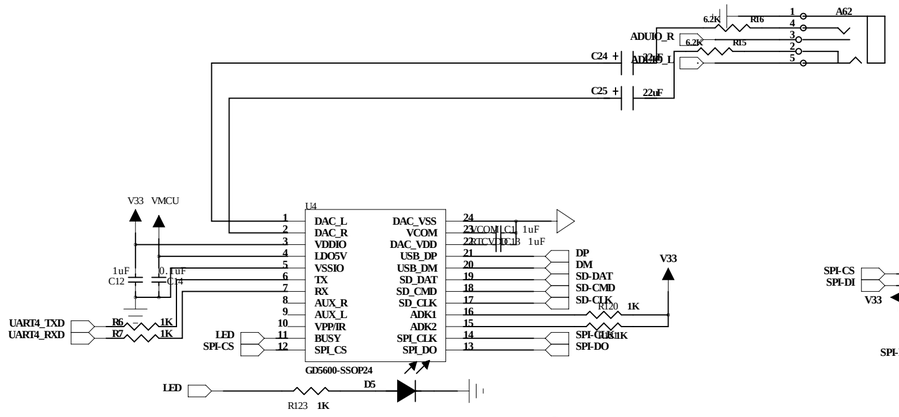

VCC
UF
PCF8574T
ADDR=0X04
OUTF0
OUTF1
OUTF2
OUTF3
OUTF4
OUTF5
OUTF6
OUTF7


UG
PCF8574T
ADDR=0X04
OUTG0
OUTG1
OUTG2
OUTG3
OUTG4
OUTG5
OUTG6
OUTG7

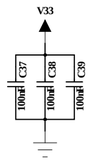

UA
PCF8574T
ADDR=0X00
OUTA0
OUTA1
OUTA2
OUTA3
CS0
CS1
CS3
CS2
UB
PCF8574T
ADDR=0X01
OUTB0
OUTB1
OUTB2
OUTB3
OUTB4
OUTB5
OUTB6
OUTB7
UD
PCF8574T
ADDR=0X02
OUTC0
OUTC1
OUTC2
OUTC3
OUTC4
OUTC5
OUTC6
OUTC7
UE
PCF8574T
ADDR=0X03
OUTE0
OUTE1
OUTE2
OUTE3
OUTE4
OUTE5
OUTE6
OUTE7

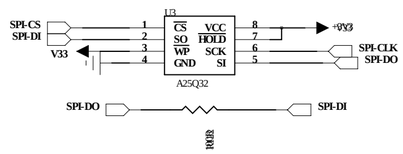

SIP3
JM1
GND
P3_2
J4
CON10X2
UART4_RXD
UART4_TXD
R_RXD1
R_TXD1
C_RXD1
C_TXD1
R_RXD2
R_TXD2
C_RXD2
C_TXD2
RXD1
TXD1
RXD2
TXD2

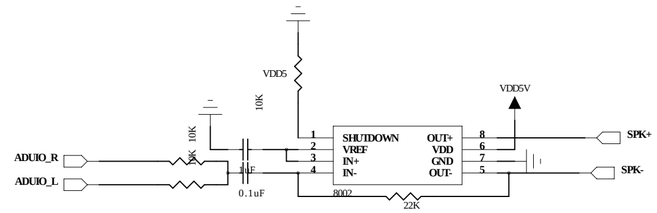

CON2
CON26X2
C_TXD2
C_RXD2
I2C_SCL
OUTA1
OUTB7
OUTB3
OUTB1
OUTB5
VDD5V
SPK+
SPK-
HUNAM
GAS_IN
I2C_SDA
OUTB4
CON1
RFID_RXD
C_RXD1
C_TXD1
RFID_TXD
MOTOR_A1
NJTRS
JTMS
JTDO
BASE PORT

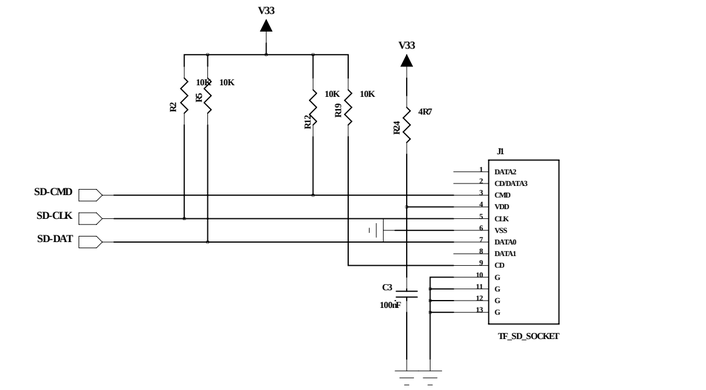

ADUIO_R
ADUIO_L
A62
6.2K
R16
R15
C24
C25
22uF
V33
VMCU
U4
DAC_L
DAC_R
VDDIO
LDO5V
VSSIO
TX
RX
AUX_R
AUX_L
VPPIR
BUSY
SPI_CS
DAC_VSS
VCOM
DAC_VDD
USB_DP
USB_DM
SD_DAT
SD_CMD
SD_CLK
ADK1
ADK2
SPI_CLK
SPI_DO
1uF
C12
0.1uF
C14
C13
DP
DM
SD-DAT
SD-CMD
SD-CLK
R120
1K
SPI-CLK
SPI-DO
UART4_TXD
UART4_RXD
R6
R7
LED
SPI-CS
GD5600-SSOP24
D5
R123
1K

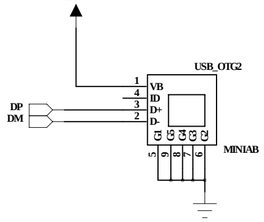
MCU

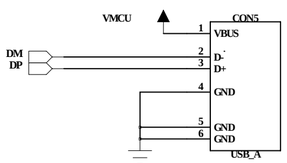

V33
C37
C38
C39
100nF

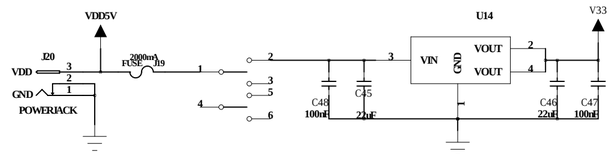

SPI-CS
SPI-DI
V33
U3
CS
SO
WP
GND
VCC
HOLD
SCK
SI
A25Q32
SPI-CLK
SPI-DO
SPI-DO
SPI-DI
R018

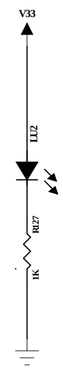

VDD5
10K
VDD5V
ADUIO_R
ADUIO_L
10K
10K
0.1uF
SHUTDOWN
VREF
IN+
IN-
OUT+
VDD
GND
OUT-
SPK+
SPK-
8002
22K

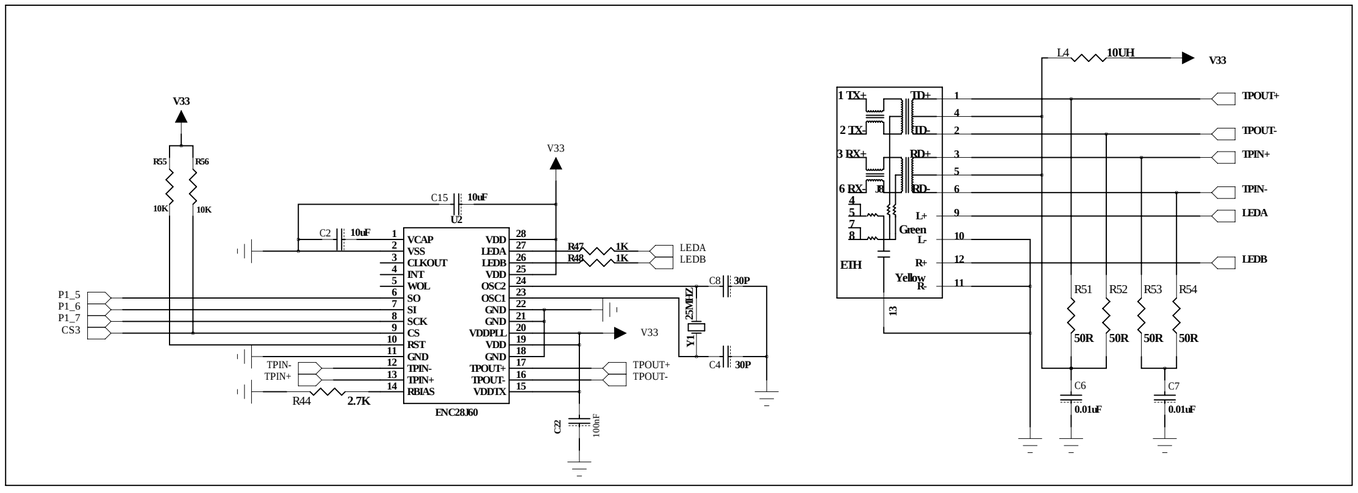

V33
R2
10K
R12
10K
R19
10K
R24
4R7
SD-CMD
SD-CLK
SD-DAT
J1
DATA2
CD/DATA3
CMD
VDD
CLK
VSS
DATA0
DATA1
CD
G
G
G
G
C3
100nF
TF_SD_SOCKET


VDD5V
USB_OTG2
VB
ID
D+
D-
DP
DM
G1
G5
G4
G3
G2
MINIAB


VMCU
CON5
VBUS
D-
D+
GND
GND
GND
DM
DP
USB_A

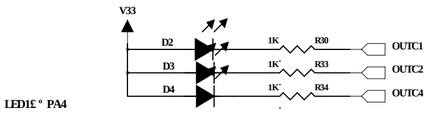

VDD5V
U14
V33
J20
VDD
GND
POWERJACK
2000mA
FUSE
J19
VIN
GND
VOUT
VOUT
C48
100nF
C45
22uF
C46
22uF
C47
100nF


V33
LU2
RU27
1K

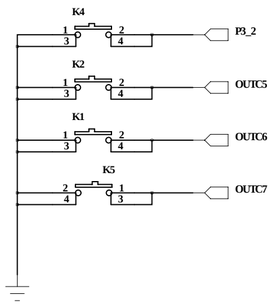


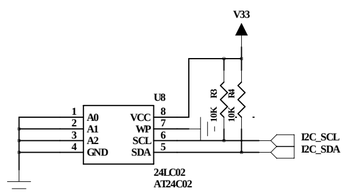
BSL PIN£º

INT->P5.4
WOL->P5.0
SO->P10.2
SI->P10.1
SCK->P10.3
CS->P5.1

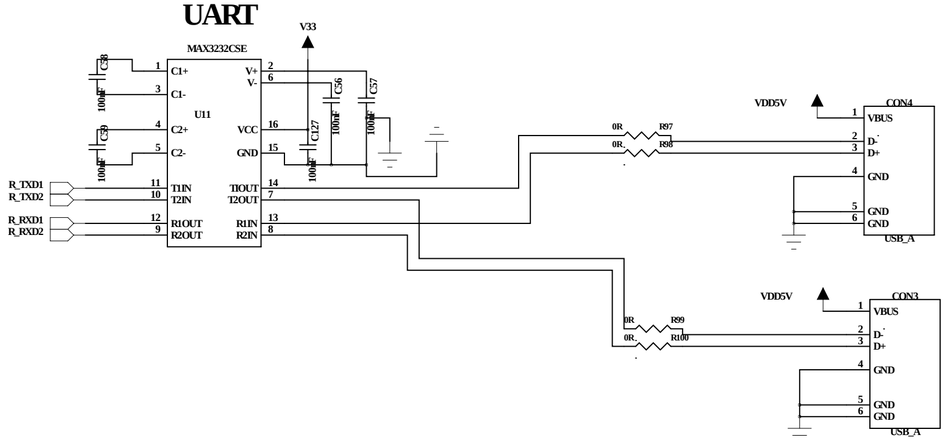


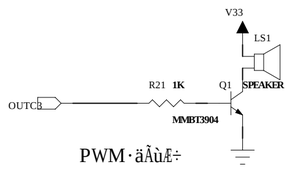
LED1£ ° PA4





UART





PWM·äÀù£÷