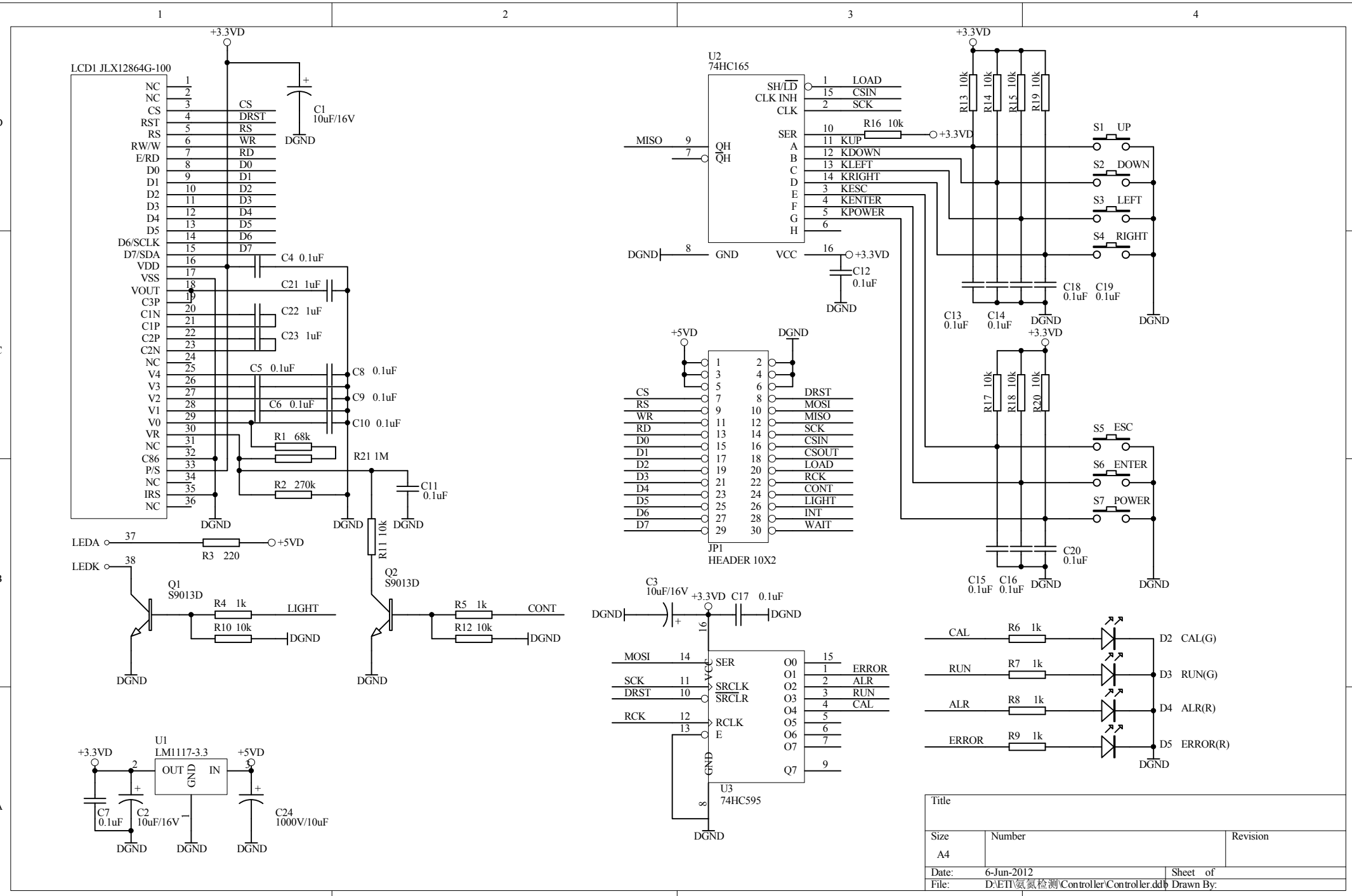
LCD1 JLX12864G-100
+3.3VD
C1 10uF/16V
DGND
C4 0.1uF
C21 1uF
C22 1uF
C23 1uF
C5 0.1uF
C6 0.1uF
C8 0.1uF
C9 0.1uF
C10 0.1uF
R1 68k
R21 1M
R2 270k
C11 0.1uF
R11 10k
LEDA
LEDK
+5VD
R3 220
Q1 S9013D
R4 1k
LIGHT
R10 10k
Q2 S9013D
R5 1k
CONT
R12 10k
U1 LM1117-3.3
OUT
GND
IN
C7 0.1uF
C2 10uF/16V
C24 1000V/10uF
U2 74HC165
SH/LD
CLK INH
CLK
SER
QH
QH
GND
VCC
LOAD
CSIN
SCK
KUP
KDOWN
KLEFT
KRIGHT
KESC
KENTER
KPOWER
MISO
R16 10k
C12 0.1uF
R13 10k
R14 10k
R15 10k
R19 10k
C13 0.1uF
C14 0.1uF
C18 0.1uF
C19 0.1uF
S1 UP
S2 DOWN
S3 LEFT
S4 RIGHT
JP1 HEADER 10X2
DRST
MOSI
MISO
SCK
CSIN
CSOUT
LOAD
RCK
CONT
LIGHT
INT
WAIT
R17 10k
R18 10k
R20 10k
C15 0.1uF
C16 0.1uF
C20 0.1uF
S5 ESC
S6 ENTER
S7 POWER
C3 10uF/16V
C17 0.1uF
SER
SRCLK
SRCLR
RCLK
E
O0
O1
O2
O3
O4
O5
O6
O7
Q7
ERROR
ALR
RUN
CAL
U3 74HC595
R6 1k
R7 1k
R8 1k
R9 1k
D2 CAL(G)
D3 RUN(G)
D4 ALR(R)
D5 ERROR(R)
Title
Size A4
Number
Revision
Date: 6-Jun-2012
Sheet of
File: D:\ETI\氨氮检测\Controller\Controller.ddb
Drawn By: