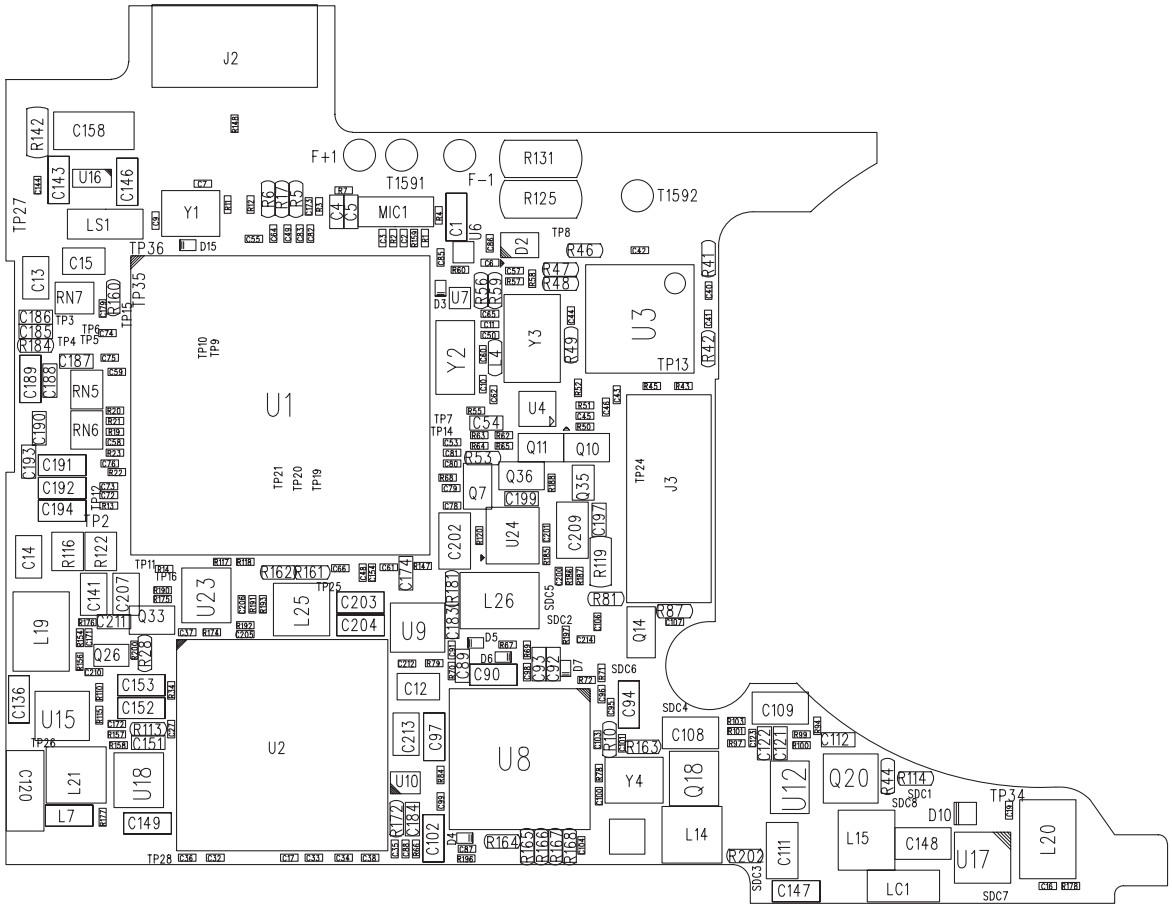
Ⅴ. PATTERN DIAGRAM

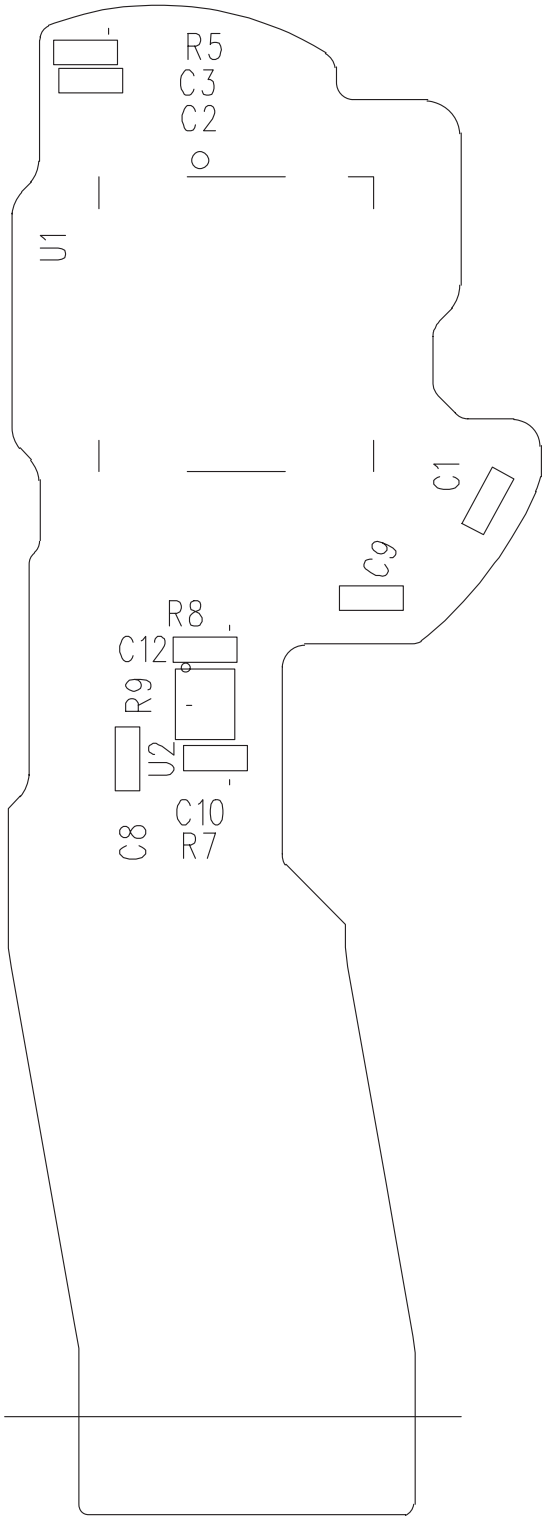
1. PARTS ARRANGEMENT FOR EACH PCB ASS'Y

1) MAIN_TOP

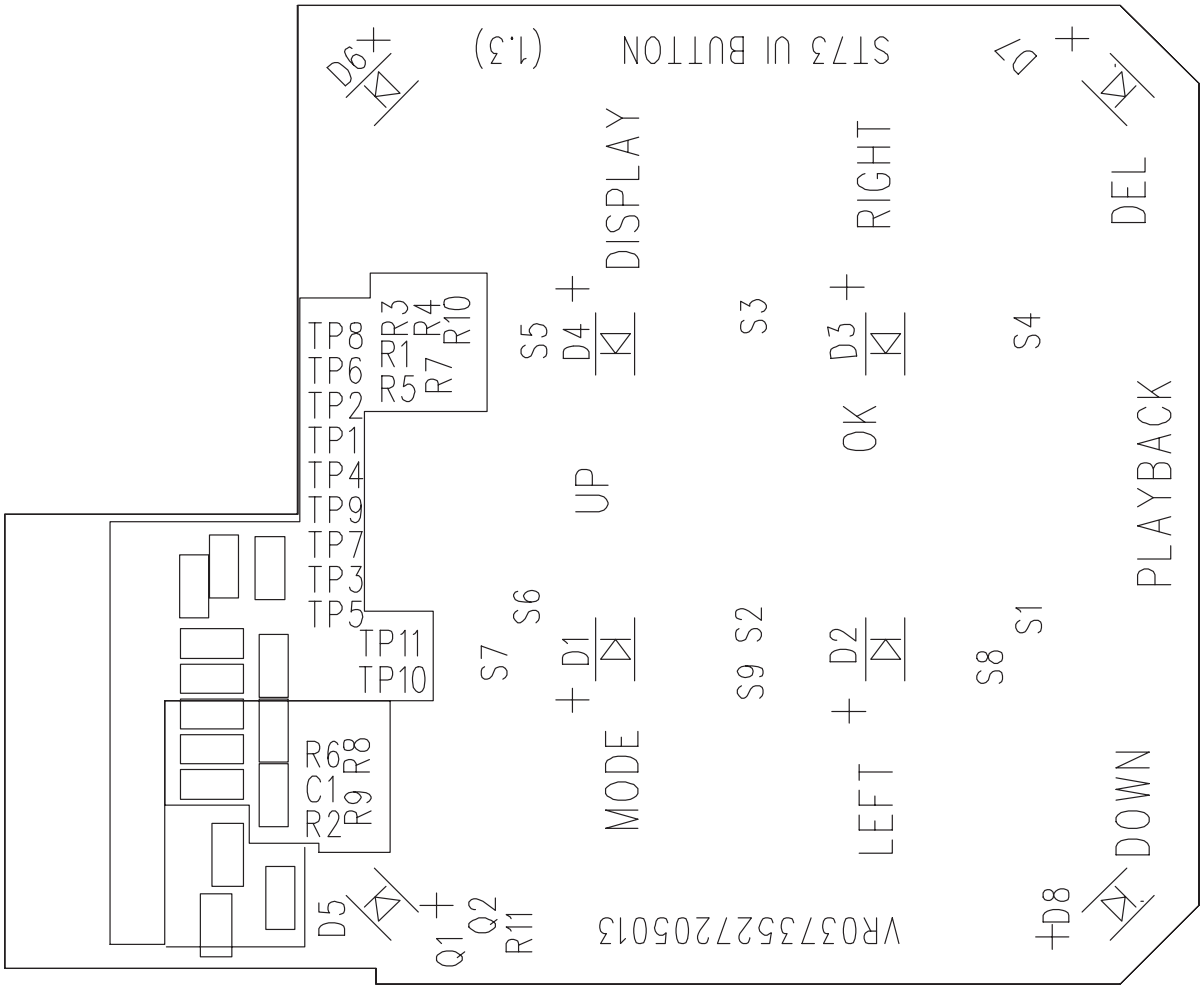


2) MAIN_BUTTOM

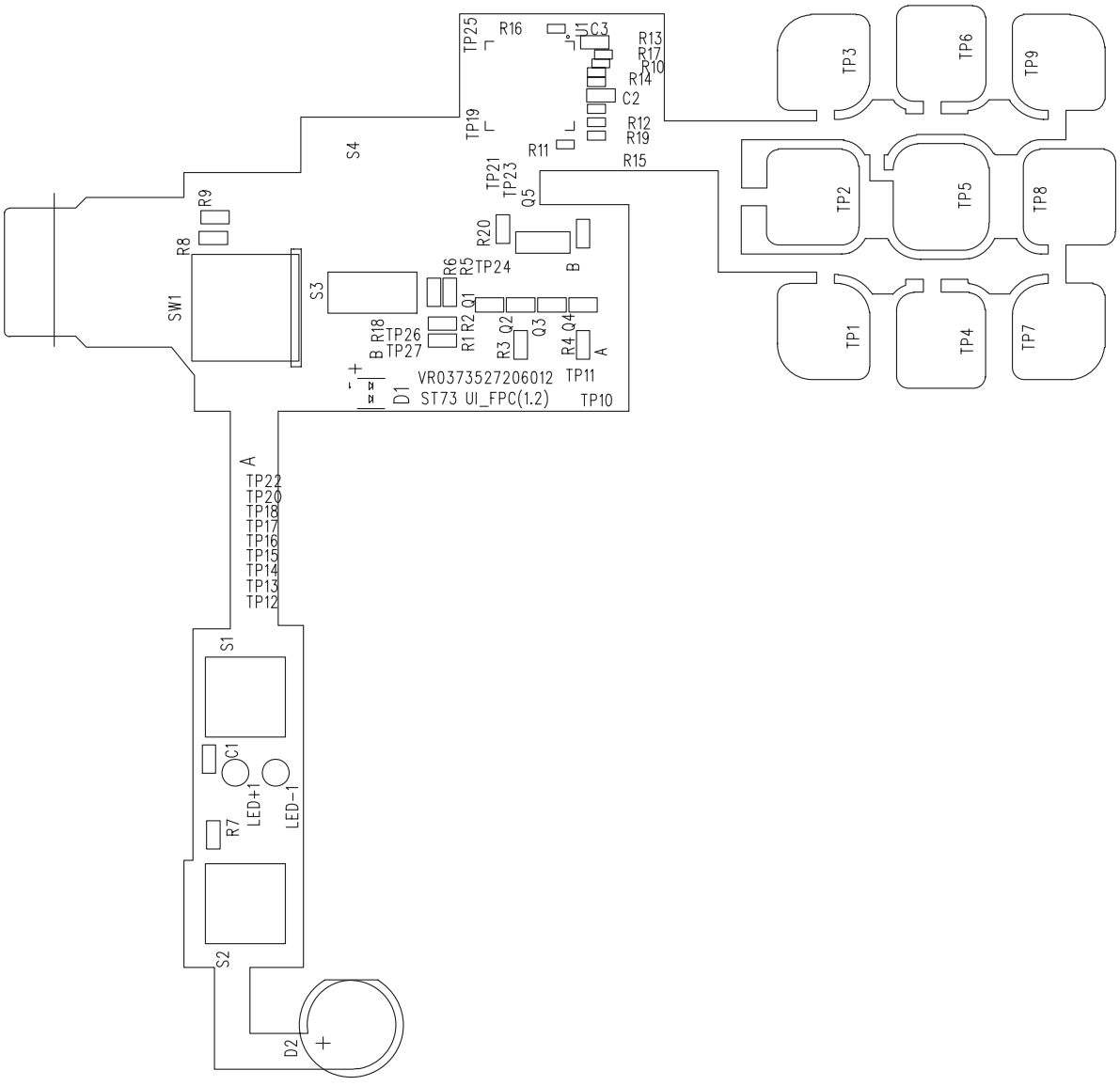
3) CCD_FPC



4) UI_ BUTTON

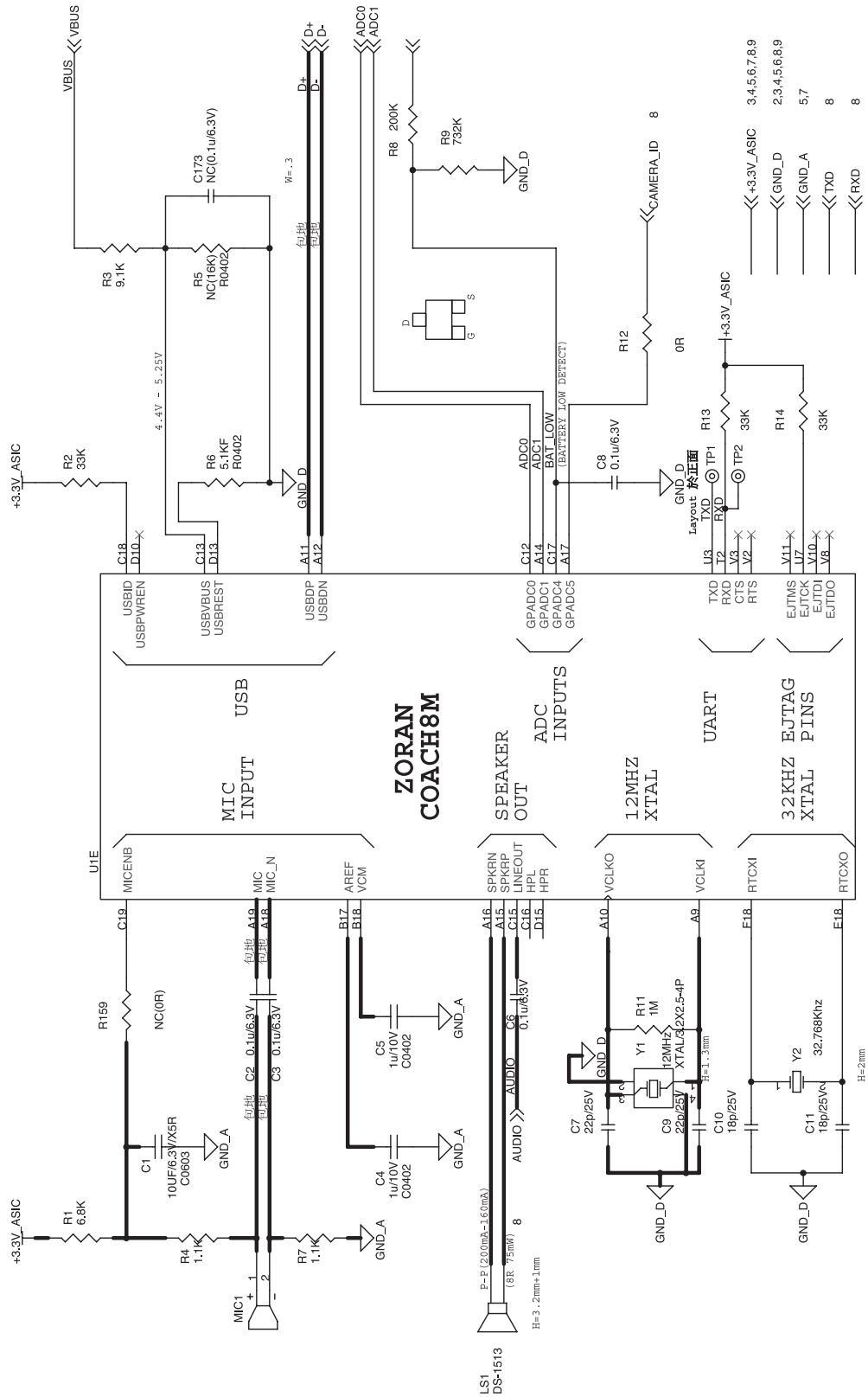

ST73 UI BUTTON
(1.3)
D6
D7
DEL
RIGHT
DISPLAY
S5
D4
S3
D3
S4
OK
PLAYBACK
UP
TP8
TP6
TP2
TP1
TP4
TP9
TP7
TP3
TP5
TP11
TP10
R3
R1
R5
R4
R7
R10
S7
S6
D1
S9
S2
D2
S8
S1
MODE
LEFT
DOWN
R6
C1
R2
R9
R8
D5
Q1
Q2
R11
D8
VR037352720501 3

5) UI_FPC

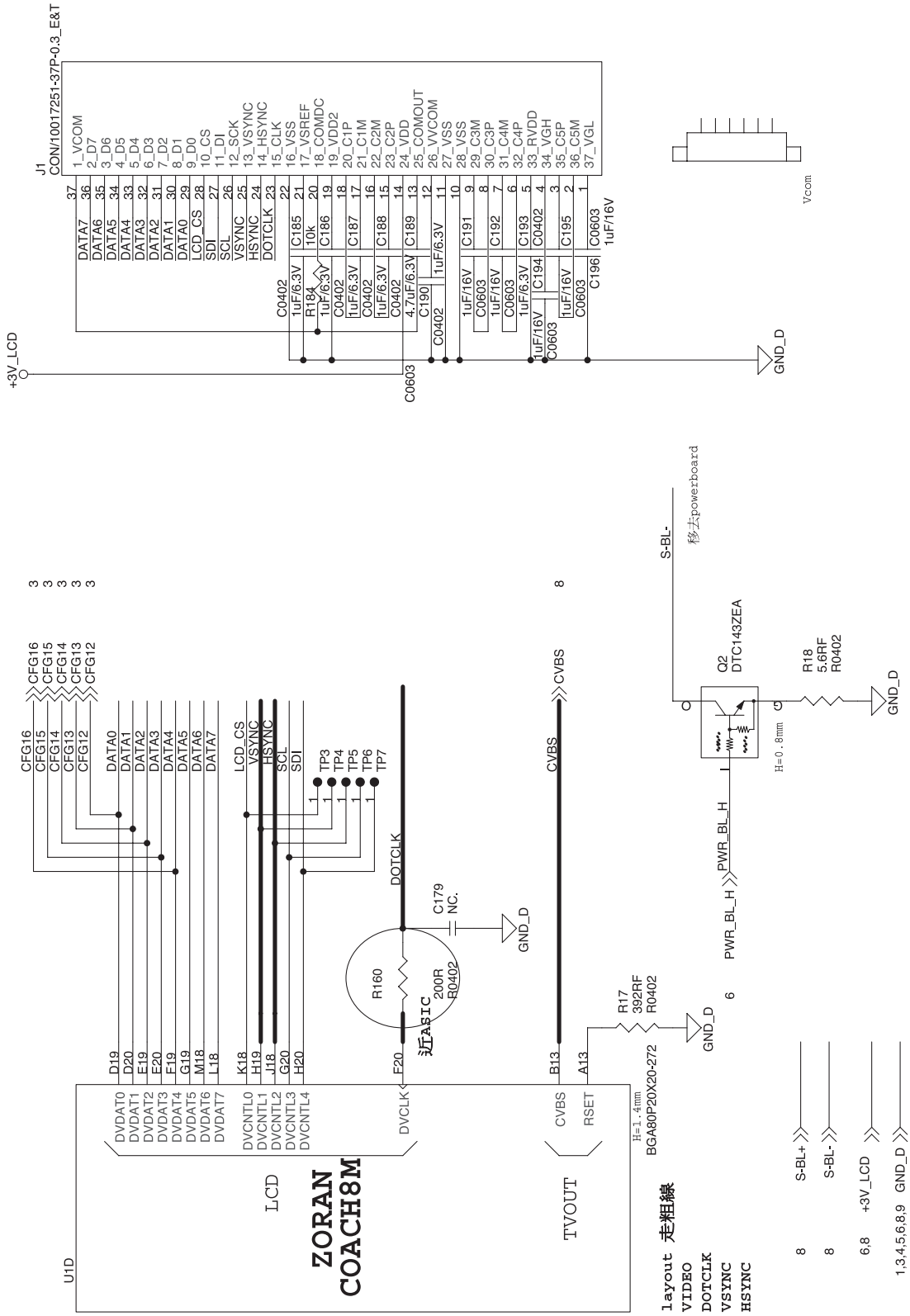

TP25
R16
U1
C3
R13
R17
R10
R14
C2
R12
R19
TP19
R11
R15
S4
TP21
TP23
Q5
R9
R8
R20
B
R6
R5
TP24
SW1
S3
Q1
R18
TP26
TP27
R1
R2
Q2
Q3
R3
R4
Q4
A
VR0373527206012
ST73 UI_FPC(1.2)
D1
TP11
TP10
TP3
TP6
TP9
TP2
TP5
TP8
TP1
TP4
TP7
A
TP22
TP20
TP18
TP17
TP16
TP15
TP14
TP13
TP12
S1
C1
LED+1
LED-1
R7
S2
D2

Ⅵ. CIRCUIT DIAGRAM

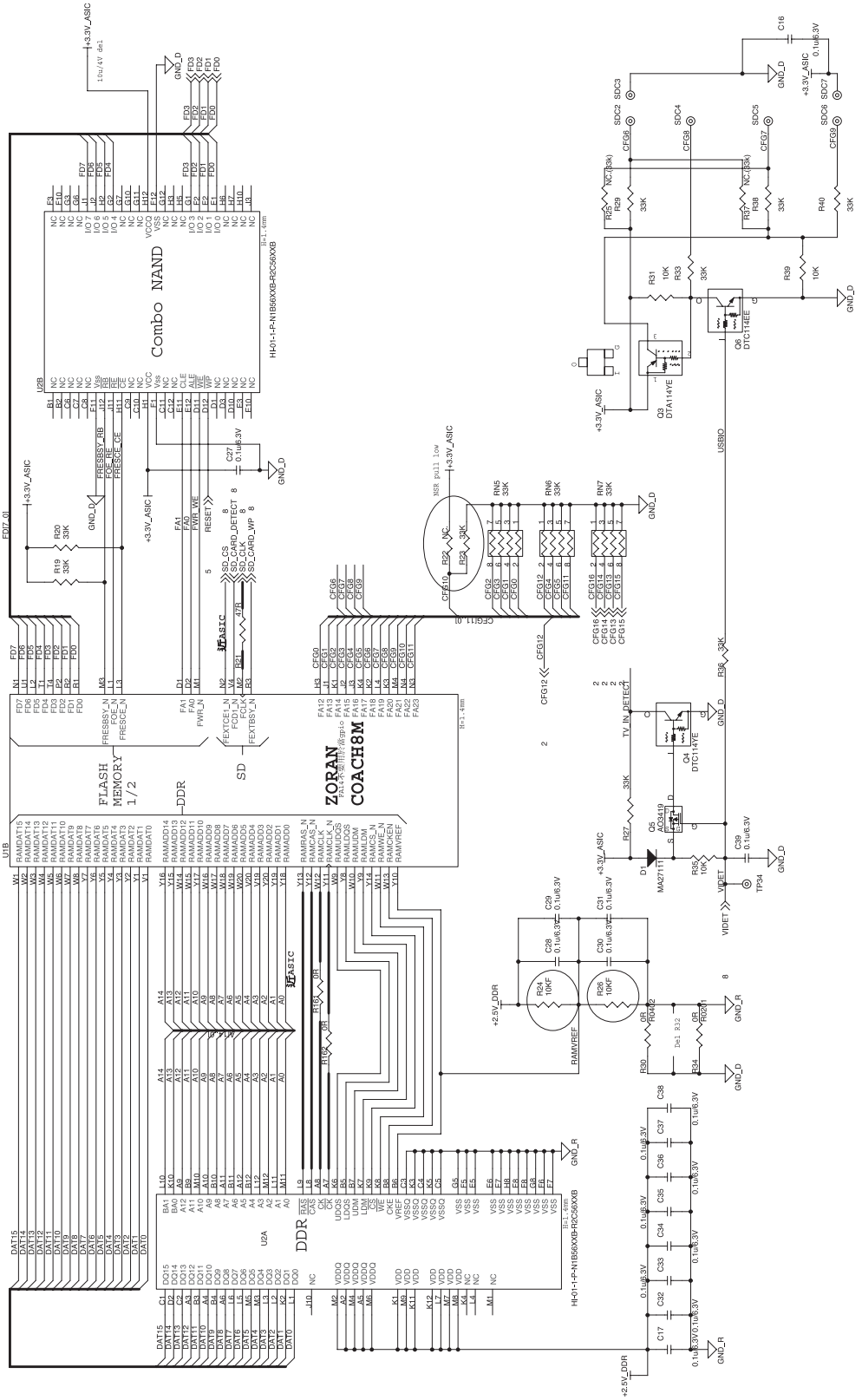
1) MAIN_BUTTON INTERFACE,AUDIO,USB,UART,SPK,X'TAL,ADC AND EJTAG



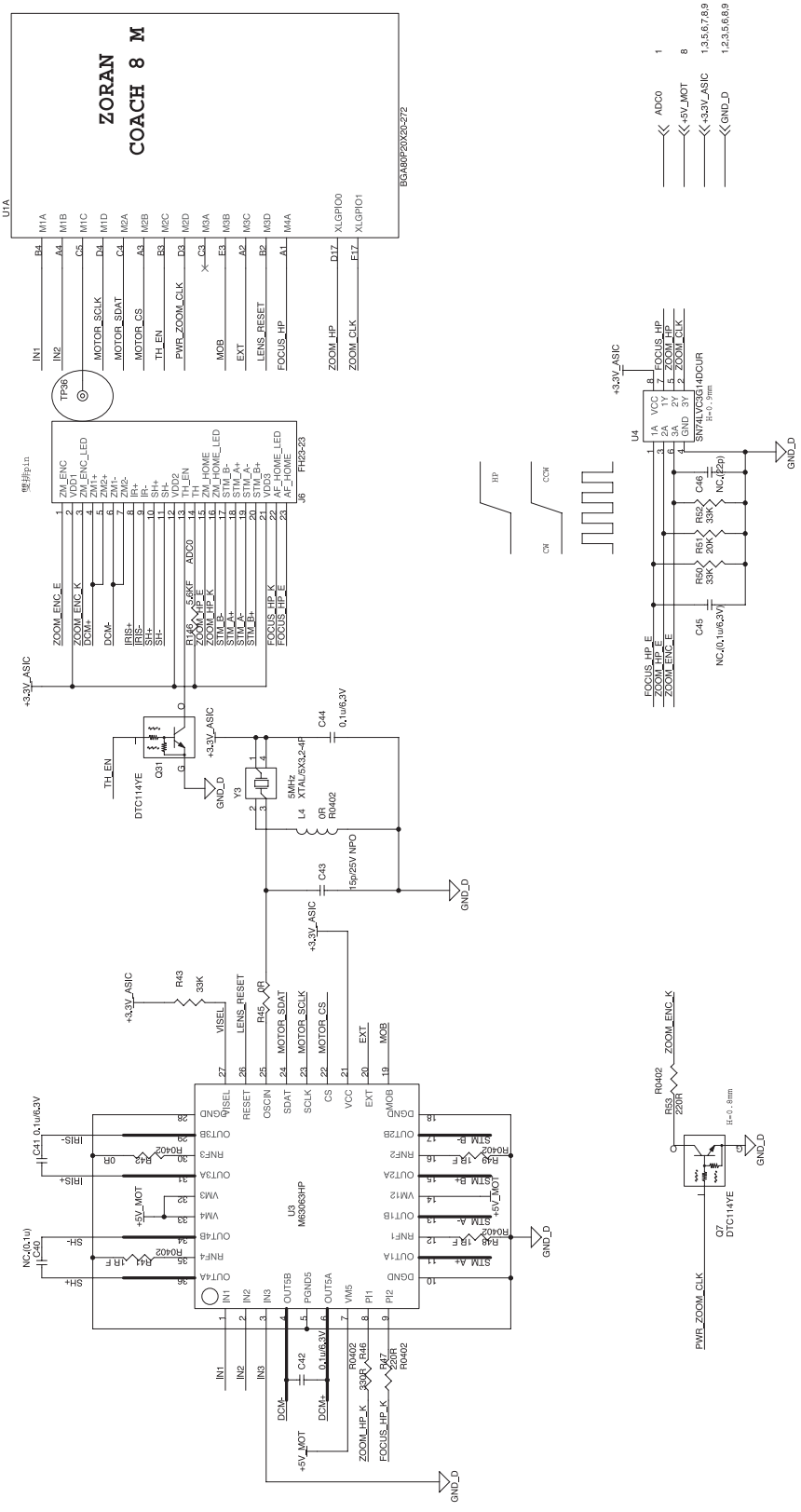
2) MAIN_LCD INTERFACE AND VIDEO OUT



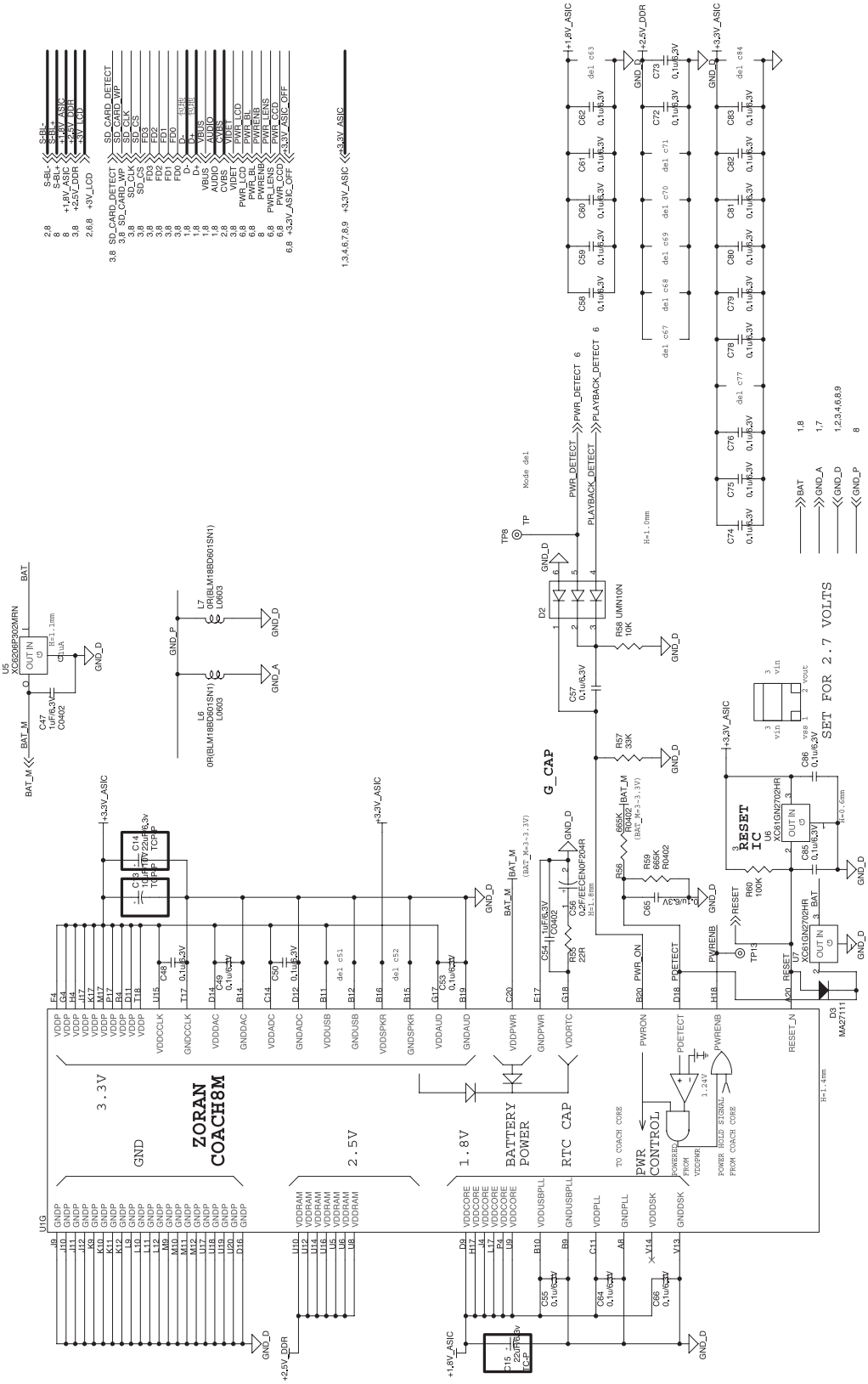
3) MAIN_DRAM,NAND,SD INTERFACE AND CONFIGURATION RESISTORS



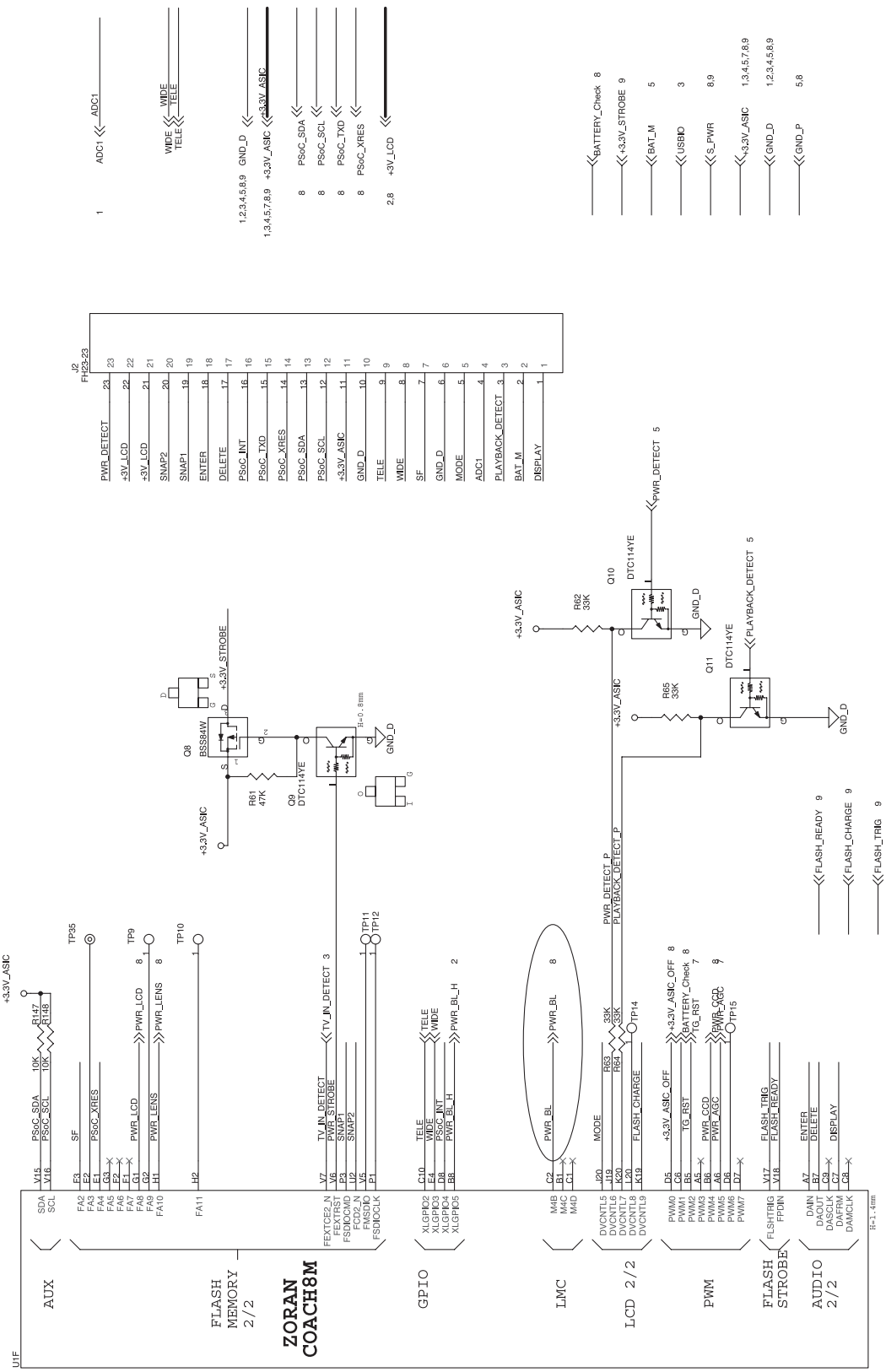
4) MAIN_MOTOR INTERFACE



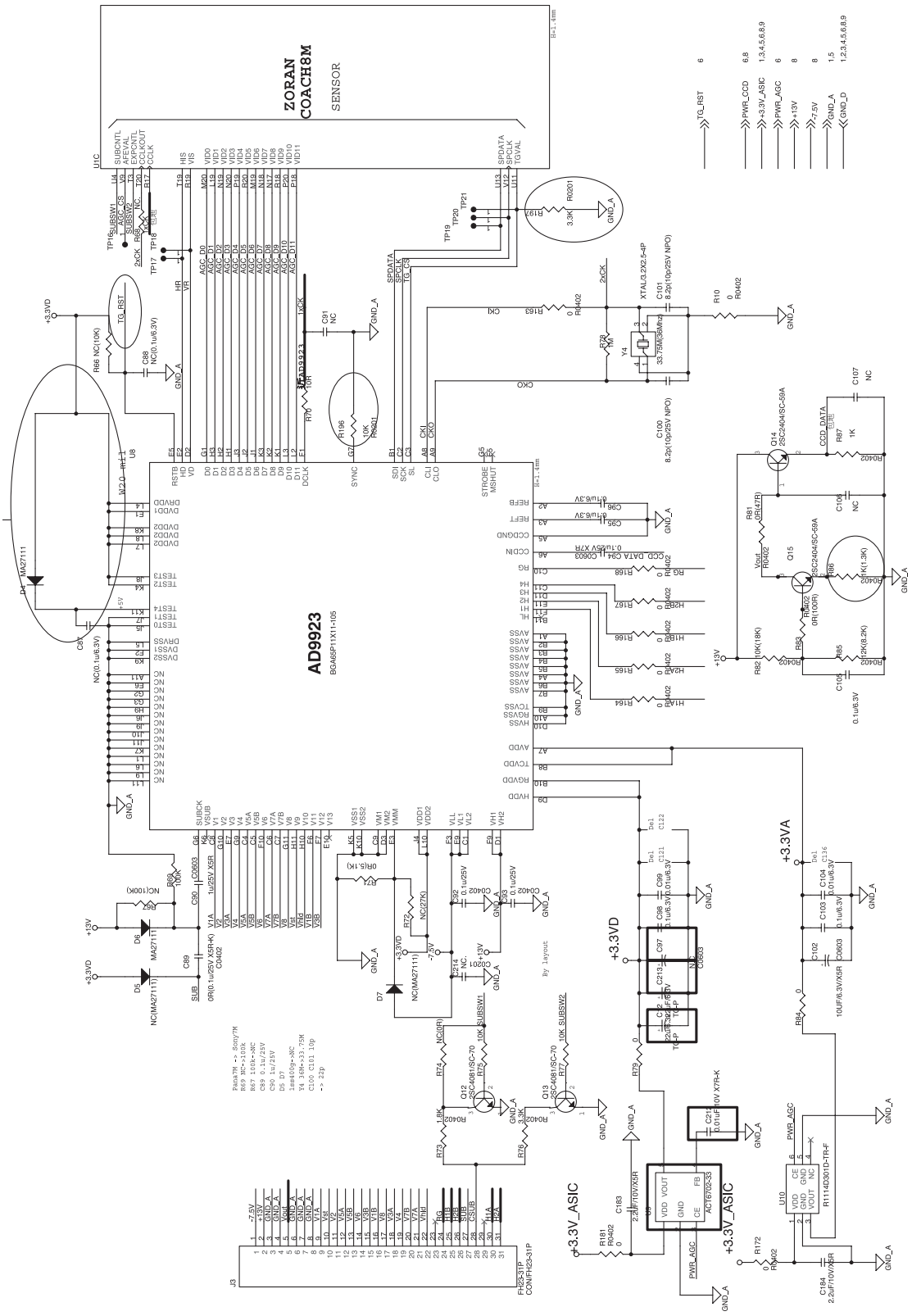
5) MAIN_POWER AND RESET



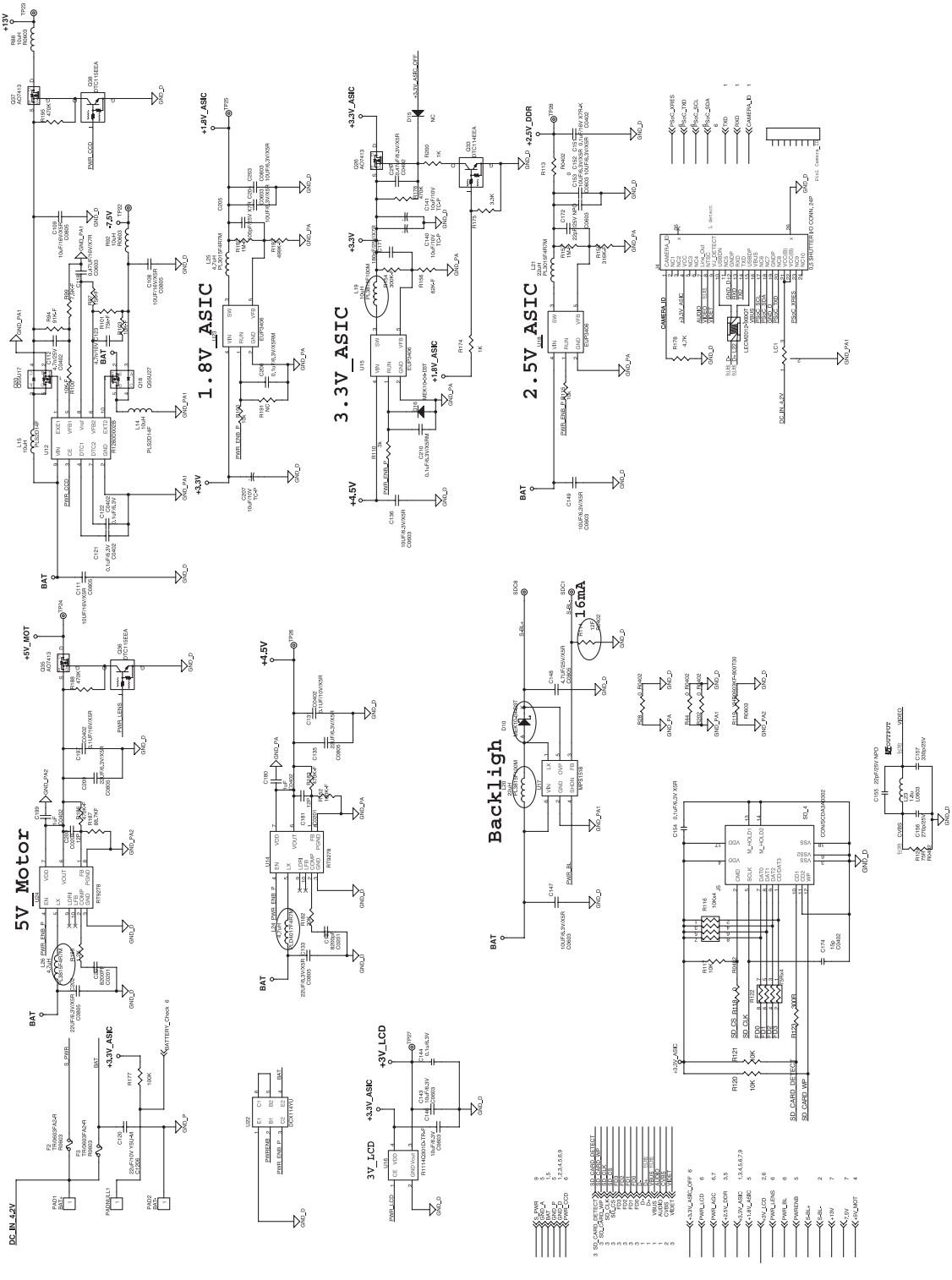
6) MAIN_STROBE,GPIO AND PWM



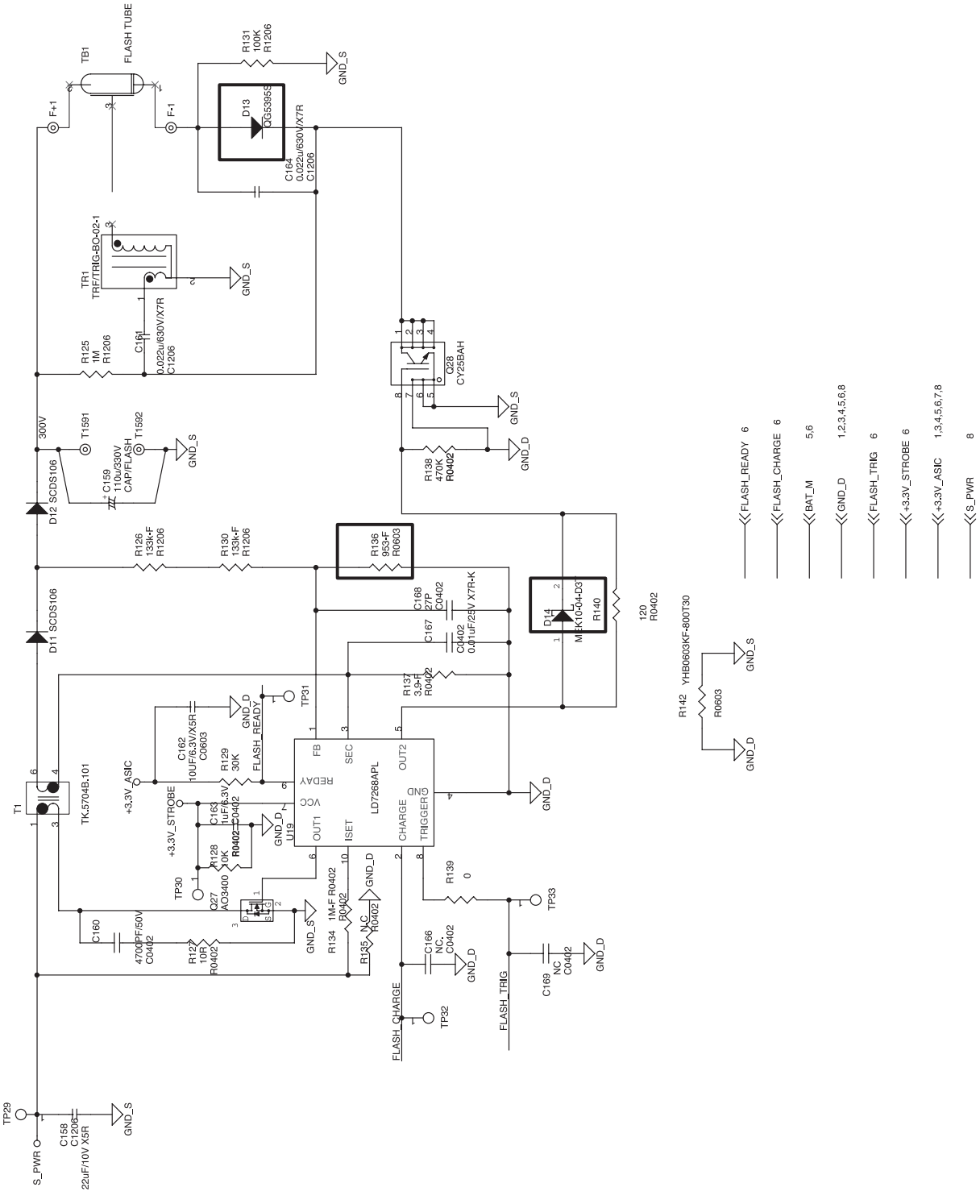
7) MAIN_SENSOR INTERFACE for SONY



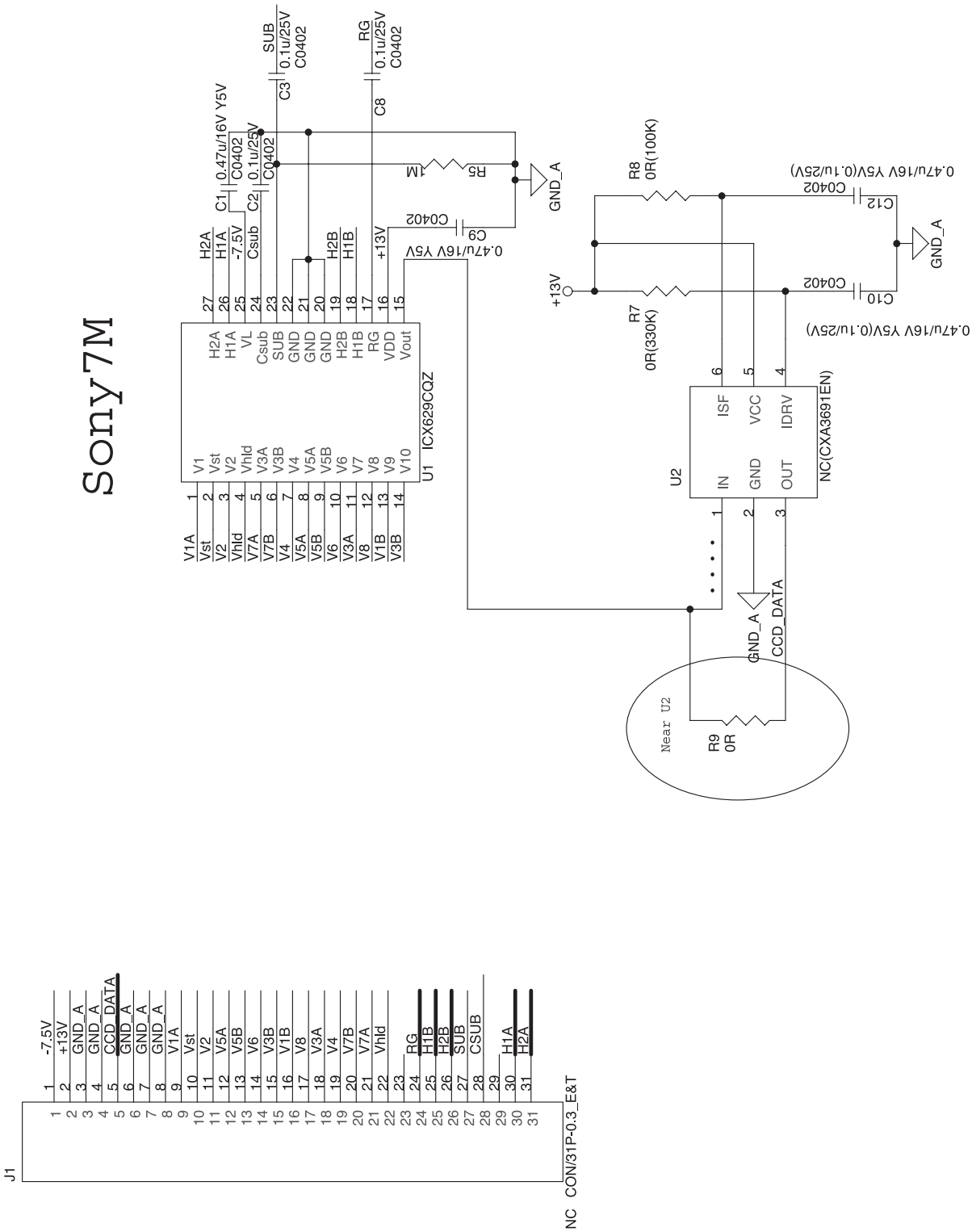
8) POWER


5V Motor
1.8V_ASIC
3.3V_ASIC
2.5V_ASIC
Backligh
16mA
3V_LCD
DC_IN_4.2V
BAT

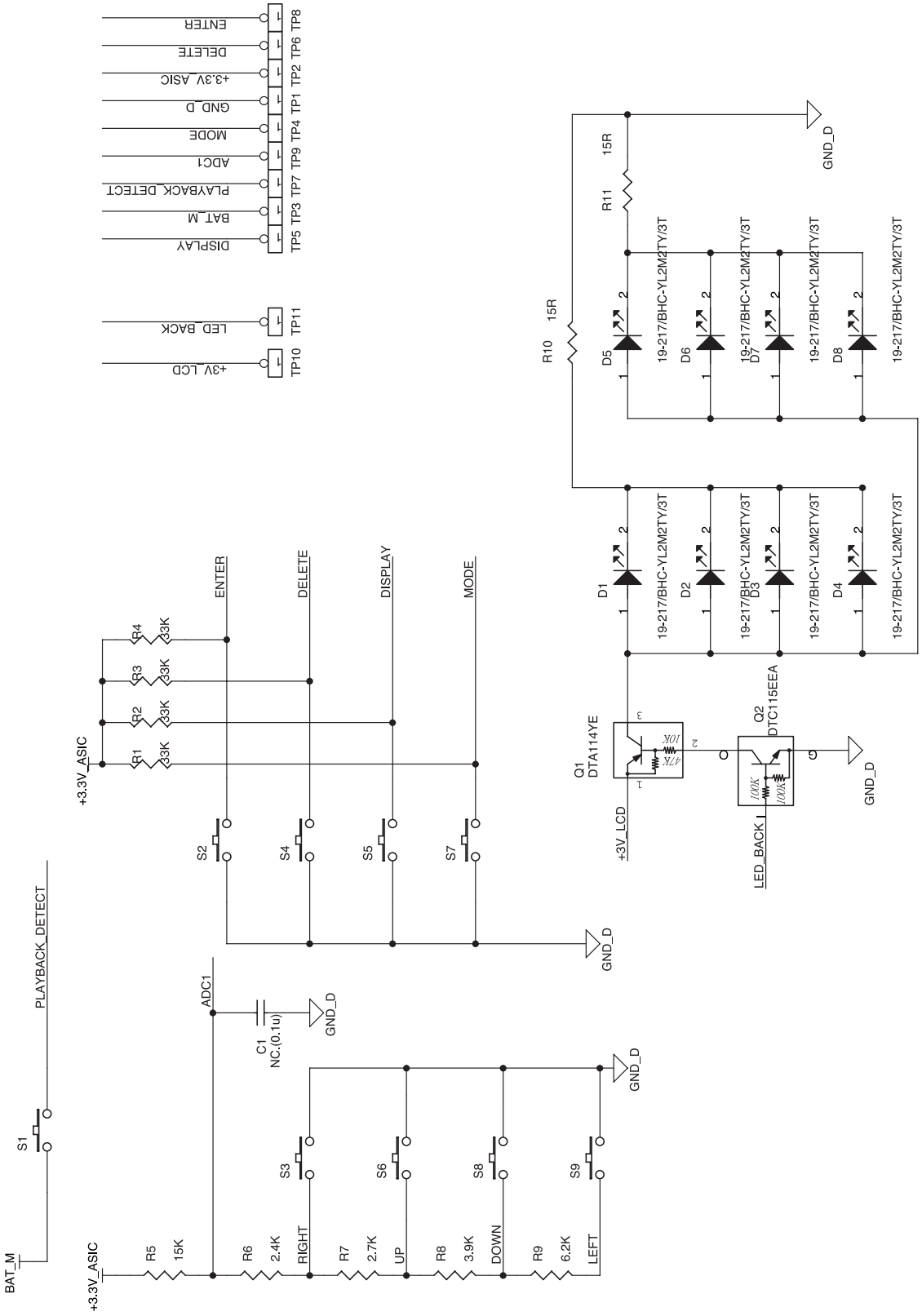
9) STROBO


TB1
FLASH TUBE
F+1
F-1
D13
DG5395S
R131
100K
R1206
GND_S
C164
0.022u/630V/X7R
C1206
TR1
TRF/TRIG-BO-02-1
C161
0.022u/630V/X7R
C1206
R125
1M
R1206
Q28
CY25BAH
R138
470K
R0402
GND_D
300V
T1591
T1592
C159
110u/330V
CAP/FLASH
D12 SCDS106
D11 SCDS106
R126
133k-F
R1206
R130
133k-F
R1206
R136
953-F
R0603
C168
27P
C0402
C167
0.01uF/25V X7R-K
C0402
D14
MK10-04-D3
R140
120
R0402
R137
3.3-F
R0402
TP31
C162
10UF/6.3V/X5R
C0603
R129
30K
FLASH_READY
T1
TK.5704B.101
+3.3V_ASIC
+3.3V_STROBE
C163
1uF/6.3V
C0402
R128
10K
R0402
TP30
Q27
AO3400
U19
LD7268APL
FB
SEC
OUT2
REDAY
VCC
OUT1
ISET
CHARGE
TRIGGER
GND
R139
0
TP33
R134
1M-F R0402
R135
NC
R0402
C160
4700PF/50V
C0402
R122
10R
R0402
C166
NC
C0402
C169
NC
C0402
TP32
FLASH_CHARGE
FLASH_TRIG
R142
YHB0603KF-800T30
R0603
TP29
S_PWR
C158
C1206
22uF/10V X5R
FLASH_READY 6
FLASH_CHARGE 6
BAT_M 5,6
GND_D 1,2,3,4,5,6,8
FLASH_TRIG 6
+3.3V_STROBE 6
+3.3V_ASIC 1,3,4,5,6,7,8
S_PWR 8

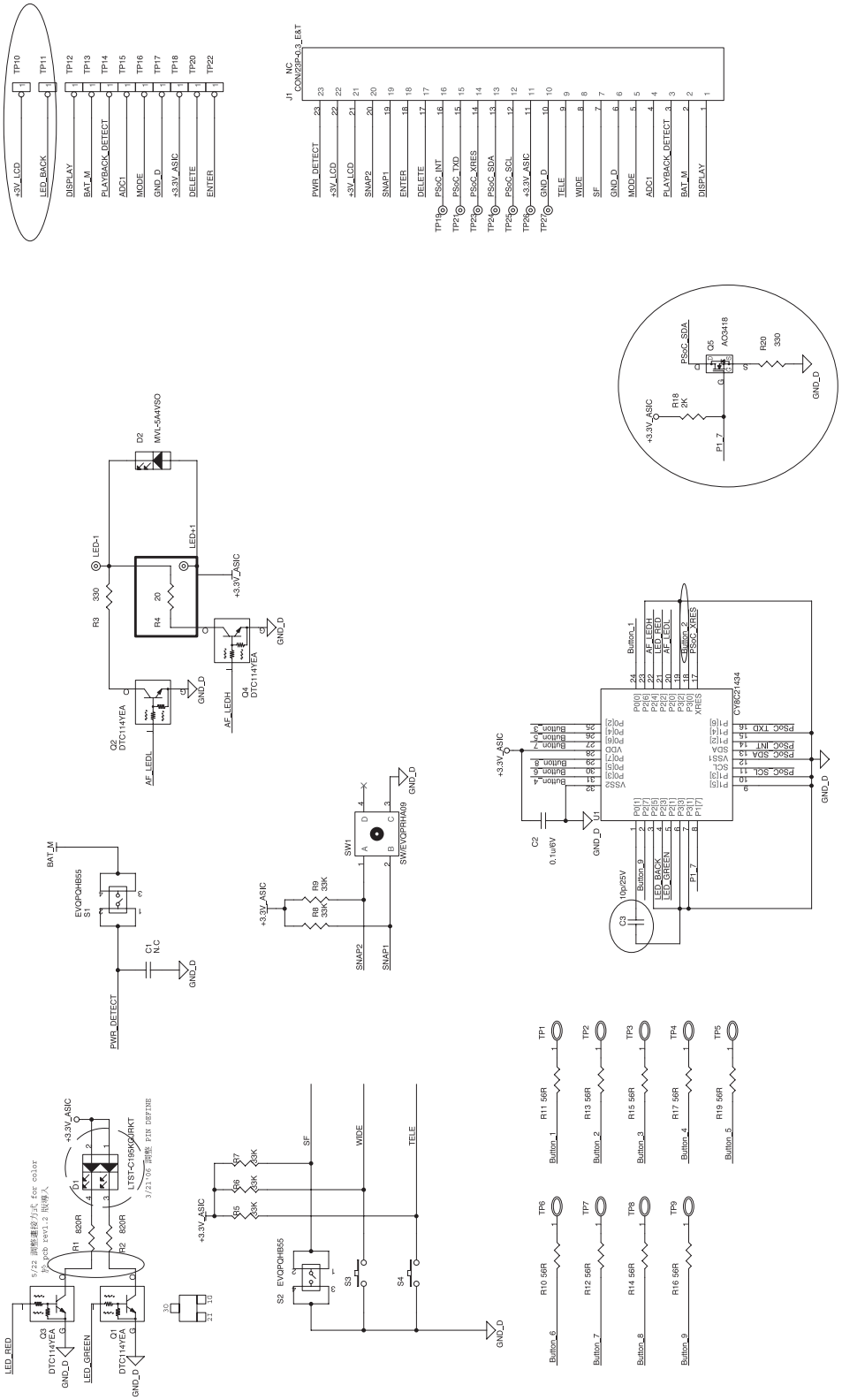
10) CCD


Sony7M
U1 ICX629CQZ
V1A
Vst
V2
Vhld
V7A
V7B
V4
V5A
V5B
V6
V3A
V8
V1B
V3B
H2A
H1A
VL
Csub
SUB
GND
H2B
H1B
RG
VDD
Vout
C1 0.47u/16V Y5V
C2 0.1u/25V C0402
C3 SUB 0.1u/25V C0402
C8 RG 0.1u/25V C0402
C9 C0402 0.47u/16V Y5V
R5 1M
GND_A
+13V
R7 0R(330K)
R8 0R(100K)
C10 C0402 0.47u/16V Y5V(0.1u/25V)
C12 C0402 0.47u/16V Y5V(0.1u/25V)
U2 NC(CXA3691EN)
IN
GND
OUT
ISF
VCC
IDRV
R9 0R
Near U2
CCD_DATA
J1 NC CON/31P-0.3_E&T
-7.5V
+13V
GND_A
CCD_DATA
RG
H1B
H2B
SUB
CSUB
H1A
H2A

11) UI_BUTTON


ENTER
DELETE
+3.3V_ASIC
GND_D
MODE
ADC1
PLAYBACK_DETECT
BAT_M
DISPLAY
TP8
TP6
TP2
TP1
TP4
TP9
TP7
TP3
TP5
LED_BACK
+3V_LCD
TP11
TP10
R11
15R
R10
15R
D5
D6
D7
D8
D1
D2
D3
D4
19-217/BHC-YL2M2TY/3T
Q1
DTA114YE
Q2
DTC115EEA
+3V_LCD
LED_BACK
GND_D
R1
R2
R3
R4
33K
S2
S4
S5
S7
ADC1
C1
NC.(0.1u)
S1
S3
S6
S8
S9
R5
15K
R6
2.4K
RIGHT
R7
2.7K
UP
R8
3.9K
DOWN
R9
6.2K
LEFT
BAT_M
PLAYBACK_DETECT

12) UI_FPC


TP10
TP11
+3V_LCD
LED_BACK
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP20
TP22
DISPLAY
BAT_M
PLAYBACK_DETECT
ADC1
MODE
GND_D
+3.3V_ASIC
DELETE
ENTER
J1
NC
CON23P-0.3_EXT
PWR_DETECT
+3V_LCD
+3V_LCD
SNAP2
SNAP1
ENTER
DELETE
PSoC_INT
PSoC_TXD
PSoC_XRES
PSoC_SDA
PSoC_SCL
+3.3V_ASIC
GND_D
TELE
WIDE
SF
GND_D
MODE
ADC1
PLAYBACK_DETECT
BAT_M
DISPLAY
TP19
TP21
TP23
TP24
TP25
TP26
TP27
D2
MVL-544VSO
LED-1
LED+1
R3
330
R4
20
+3.3V_ASIC
GND_D
Q4
DTC114YEA
AF_LEDH
Q2
DTC114YEA
AF_LEDL
GND_D
PSoC_SDA
Q5
AO3418
R20
330
GND_D
+3.3V_ASIC
R18
2K
P1_7
BAT_M
EVQPQHB55
S1
C1
N.C
GND_D
PWR_DETECT
+3.3V_ASIC
R8
33K
R9
33K
SW1
SWEVQPRHA09
GND_D
SNAP2
SNAP1
+3.3V_ASIC
C2
0.1u/6V
GND_D
U1
CY8C21434
Button_1
AF_LEDH
LED_RED
AF_LEDL
Button_2
PSoC_XRES
PSoC_TXD
PSoC_INT
PSoC_SDA
PSoC_SCL
GND_D
Button_9
LED_BACK
LED_GREEN
P1_7
C3
10pc/25V
LED_RED
LED_GREEN
+3.3V_ASIC
D1
LTST-C195KGKRKT
R1
820R
R2
820R
Q3
DTC114YEA
Q1
DTC114YEA
GND_D
GND_D
+3.3V_ASIC
R7
33K
R6
33K
R5
33K
SF
WIDE
TELE
S2
EVQPQHB55
S3
S4
GND_D
TP1
TP2
TP3
TP4
TP5
R11 56R
R13 56R
R15 56R
R17 56R
R19 56R
Button_1
Button_2
Button_3
Button_4
Button_5
TP6
TP7
TP8
TP9
R10 56R
R12 56R
R14 56R
R16 56R
Button_6
Button_7
Button_8
Button_9