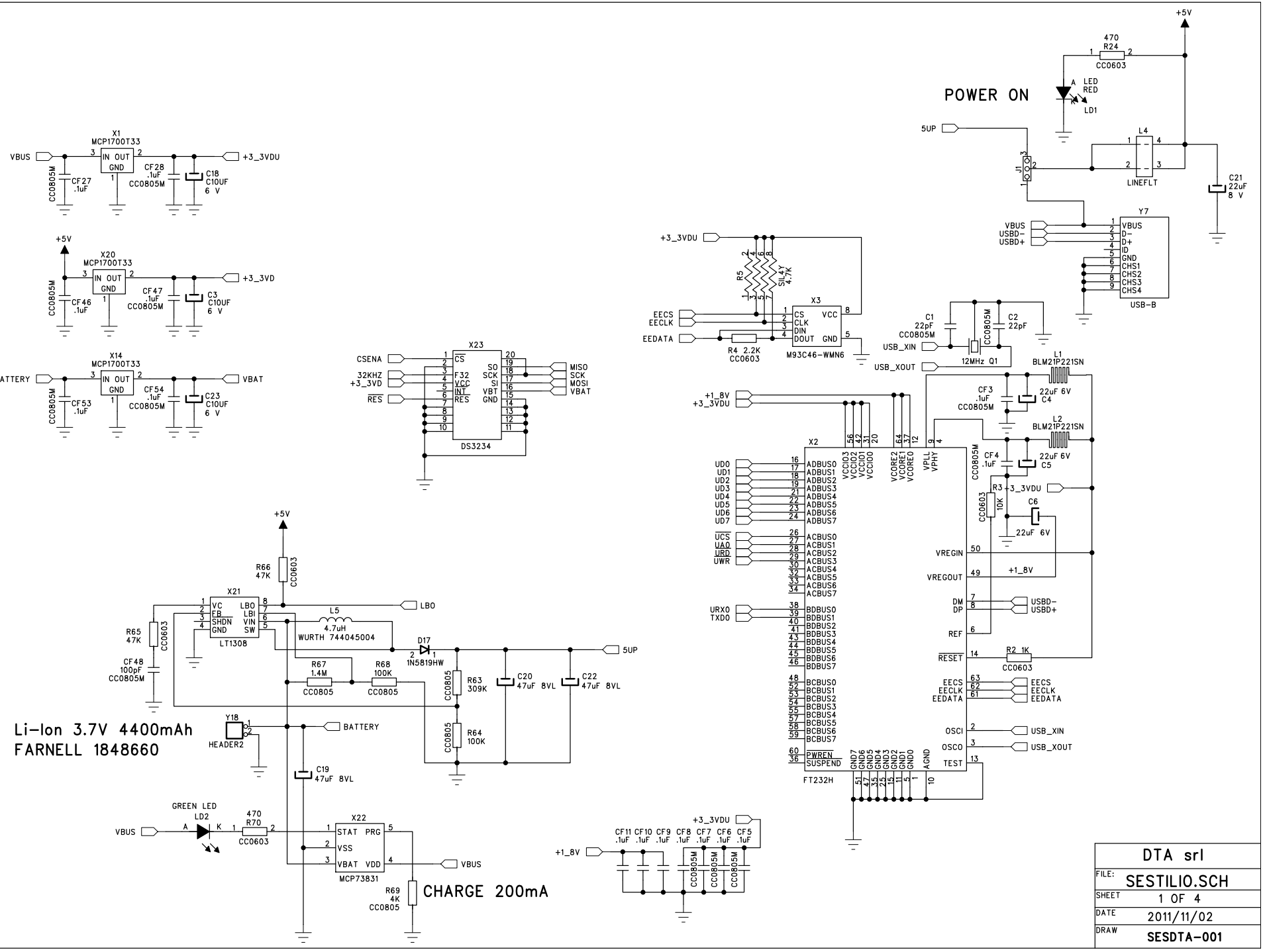

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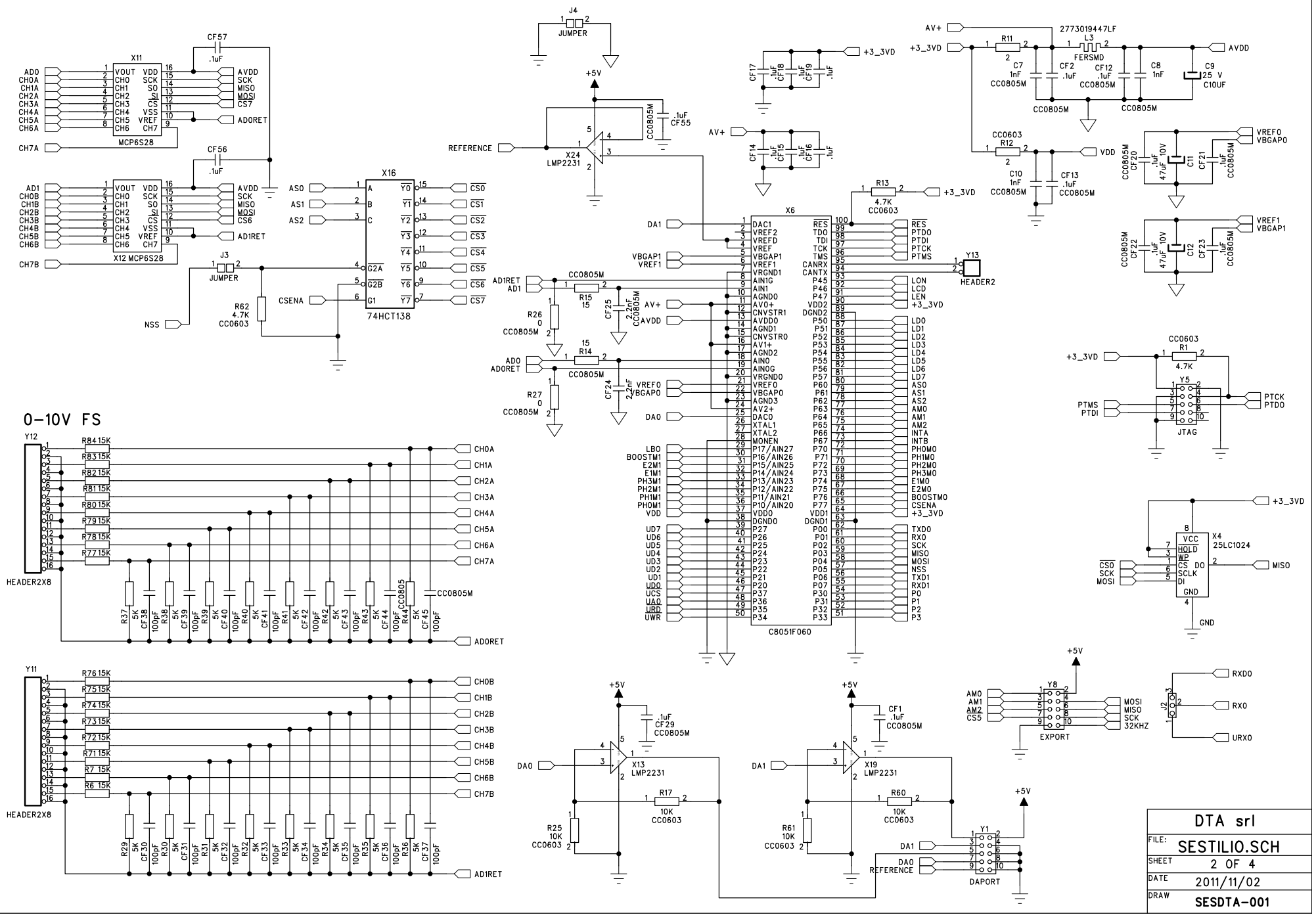
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X11
MCP6S28
X12 MCP6S28
X16
74HCT138
X6
C8051F060
X24
LMP2231
X13
LMP2231
X19
LMP2231
X4
25LC1024
Y12
Y11
Y13
HEADER2
Y5
JTAG
Y8
EXPORT
Y1
DAPORT
J2
J3
J4
JUMPER
L3
2773019447LF
FERSMD
CC0603
CC0805M
HEADER2X8
AVDD
VDD
+3_3VD
+5V
AV+
REFERENCE
VREF0
VREF1
VBGAP0
VBGAP1
PTCK
PTDO
PTMS
PTDI
MISO
MOSI
RXD0
RX0
URX0
GND
CS0
CS1
CS2
CS3
CS4
CS5
CS6
CS7
CH0A
CH1A
CH2A
CH3A
CH4A
CH5A
CH6A
CH7A
CH0B
CH1B
CH2B
CH3B
CH4B
CH5B
CH6B
CH7B
ADORET
AD1RET
NSS
CSENA
DA0
DA1
LON
LCD
LEN
TXD0
RXD0
TXD1
RXD1
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P2
P3
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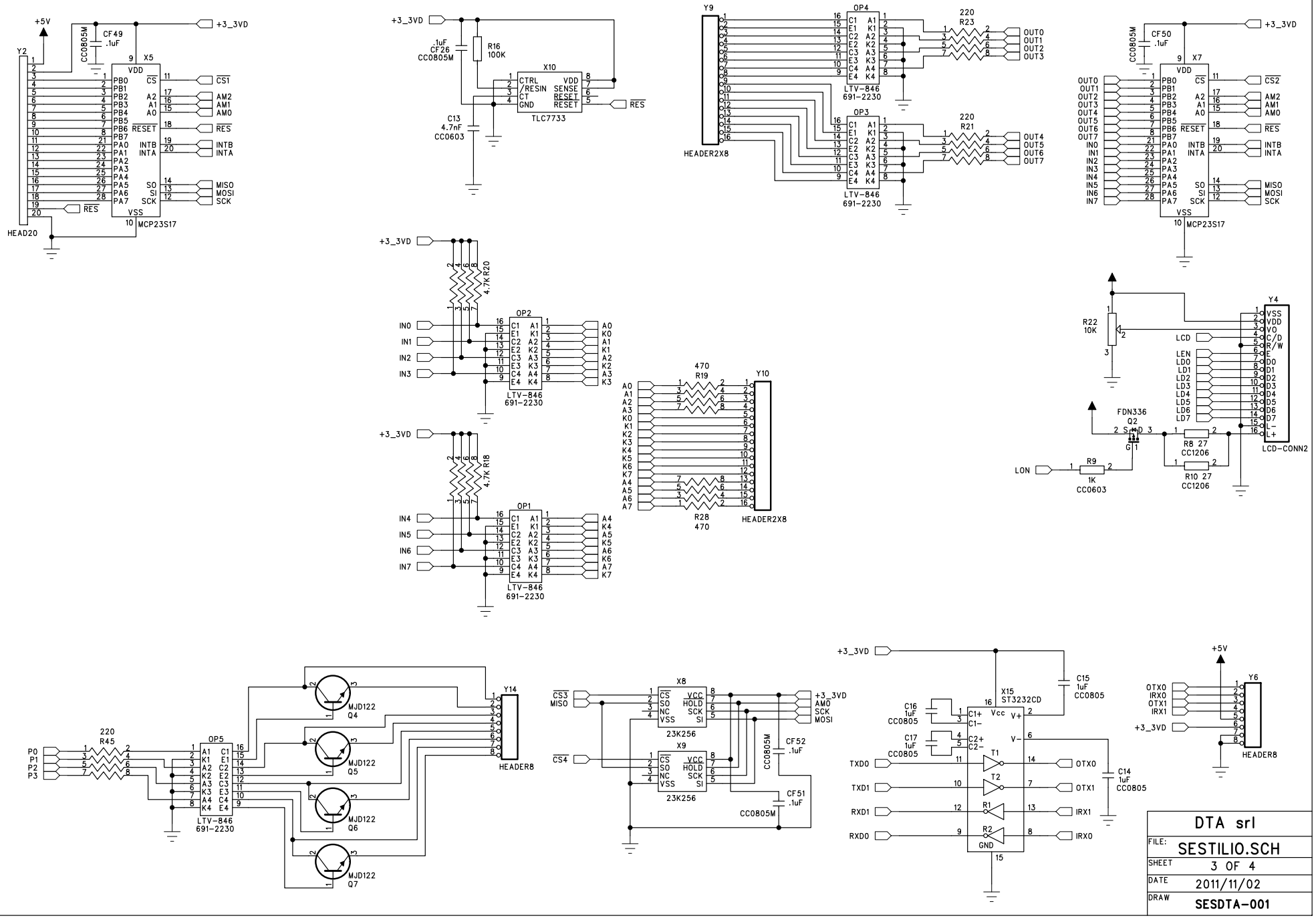
+5V
+3_3VD
CF49
.1uF
CC0805M
Y2
X5
VDD
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
VSS
CS
A2
A1
A0
RESET
INTB
INTA
SO
SI
SCK
CS1
AM2
AM1
AM0
RES
INTB
INTA
MISO
MOSI
SCK
HEAD20
MCP23S17
+3_3VD
.1uF
CF26
CC0805M
R16
100K
X10
CTRL
/RESIN
CT
GND
VDD
SENSE
RESET
RES
C13
4.7nF
CC0603
TLC7733
Y9
HEADER2X8
OP4
OP3
220
R23
R21
LTV-846
691-2230
OUT0
OUT1
OUT2
OUT3
OUT4
OUT5
OUT6
OUT7
+3_3VD
CF50
.1uF
CC0805M
X7
VDD
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
VSS
CS
A2
A1
A0
RESET
INTB
INTA
SO
SI
SCK
CS2
AM2
AM1
AM0
RES
INTB
INTA
MISO
MOSI
SCK
IN0
IN1
IN2
IN3
IN4
IN5
IN6
IN7
MCP23S17
+3_3VD
4.7K R20
OP2
IN0
IN1
IN2
IN3
A0
K0
A1
K1
A2
K2
A3
K3
LTV-846
691-2230
+3_3VD
4.7K R18
OP1
IN4
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IN6
IN7
A4
K4
A5
K5
A6
K6
A7
K7
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691-2230
470
R19
R28
470
Y10
HEADER2X8
R22
10K
Y4
LCD
LEN
LD0
LD1
LD2
LD3
LD4
LD5
LD6
LD7
VSS
VDD
VO
C/D
R/W
E
D0
D1
D2
D3
D4
D5
D6
D7
L-
L+
LCD-CONN2
FDN336
Q2
S
D
G
R8 27
CC1206
R10 27
CC1206
LON
R9
1K
CC0603
220
R45
OP5
P0
P1
P2
P3
LTV-846
691-2230
MJD122
Q4
MJD122
Q5
MJD122
Q6
MJD122
Q7
Y14
HEADER8
X8
X9
CS3
CS4
MISO
CS
SO
NC
VSS
VCC
HOLD
SCK
SI
23K256
+3_3VD
AMO
SCK
MOSI
CF52
.1uF
CF51
.1uF
CC0805M
+3_3VD
C15
1uF
CC0805
X15
ST3232CD
C16
1uF
CC0805
C17
1uF
CC0805
C1+
C1-
C2+
C2-
Vcc
V+
V-
T1
T2
R1
R2
GND
TXD0
TXD1
RXD1
RXD0
OTX0
OTX1
IRX1
IRX0
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CC0805
+5V
Y6
OTX0
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HEADER8
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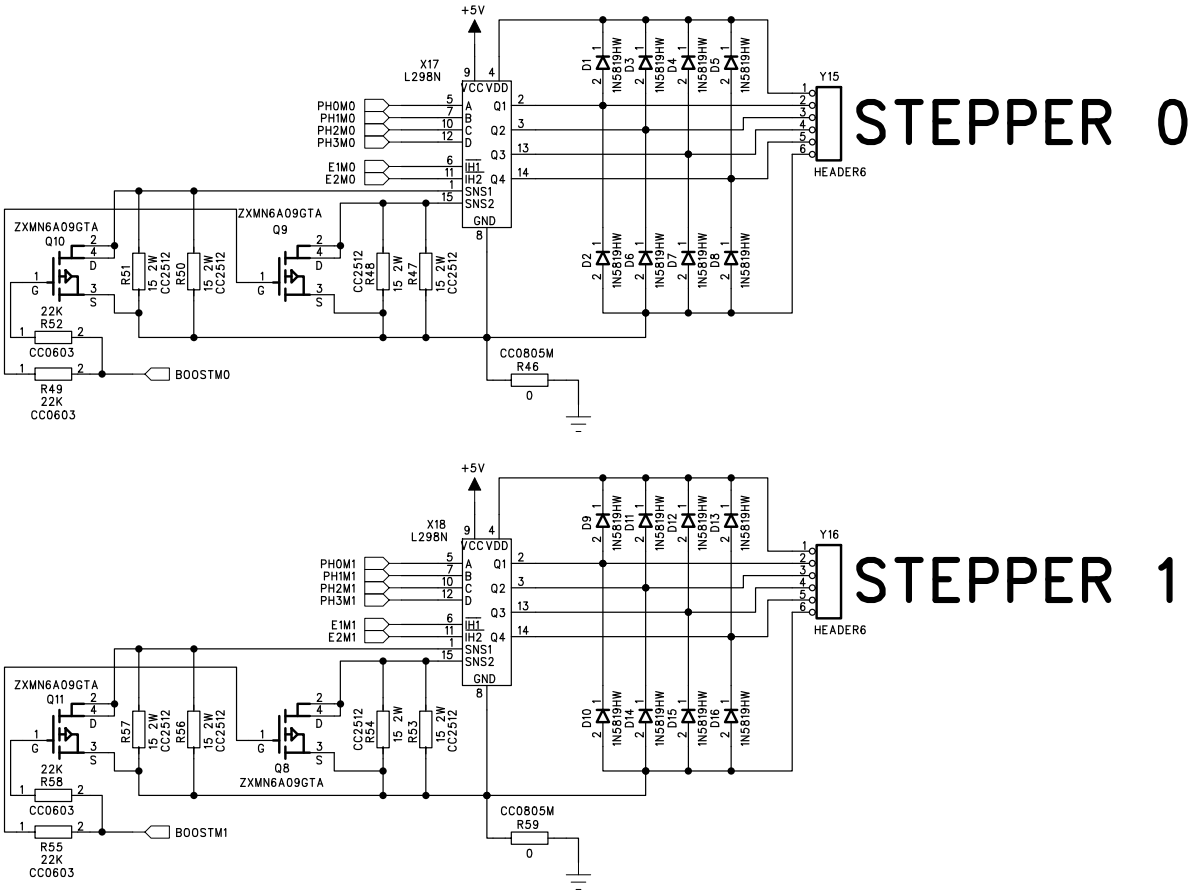

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