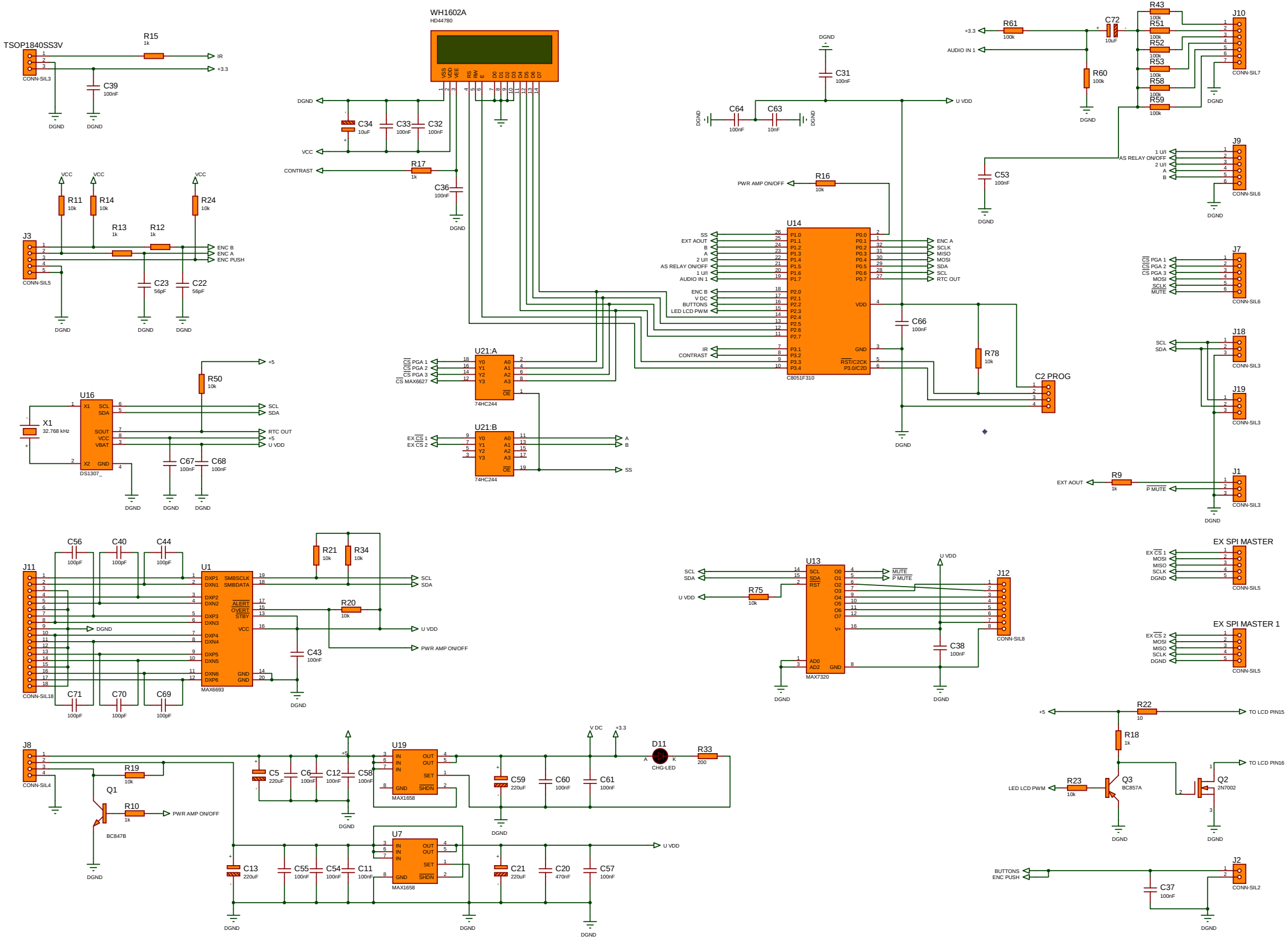
TSOP1840SS3V
CONN-SIL3
R15
1k
IR
+3.3
C39
100nF
DGND
WH1602A
HD44780
VSS
VDD
VEE
RS
RW
E
D0
D1
D2
D3
D4
D5
D6
D7
C34
10uF
C33
100nF
C32
100nF
VCC
CONTRAST
R17
1k
C36
100nF
C31
100nF
U VDD
C64
100nF
C63
10nF
R61
100k
C72
10uF
AUDIO IN 1
R60
100k
R43
100k
R51
100k
R52
100k
R53
100k
R58
100k
R59
100k
J10
CONN-SIL7
C53
100nF
J9
CONN-SIL6
AS RELAY ON/OFF
1 U/I
2 U/I
A
B
PWR AMP ON/OFF
R16
10k
U14
C8051F310
SS
EXT AOUT
B
A
2 U/I
AS RELAY ON/OFF
1 U/I
AUDIO IN 1
ENC B
V DC
BUTTONS
LED LCD PWM
IR
CONTRAST
P0.0
P0.1
P0.2
P0.3
P0.4
P0.5
P0.6
P0.7
ENC A
SCLK
MISO
MOSI
SDA
SCL
RTC OUT
VDD
GND
RST/C2CK
P3.0/C2D
C66
100nF
R78
10k
C2 PROG
J7
CS PGA 1
CS PGA 2
CS PGA 3
MOSI
SCLK
MUTE
CONN-SIL6
J18
CONN-SIL3
J19
CONN-SIL3
J1
CONN-SIL3
EXT AOUT
R9
1k
P MUTE
U21:A
74HC244
CS PGA 1
CS PGA 2
CS PGA 3
CS MAX6627
U21:B
74HC244
EX CS 1
EX CS 2
A
B
SS
R11
10k
R14
10k
R24
10k
R13
1k
R12
1k
J3
CONN-SIL5
ENC B
ENC A
ENC PUSH
C23
56pF
C22
56pF
R50
10k
+5
U16
DS1307_
X1
32.768 kHz
SCL
SDA
RTC OUT
U VDD
C67
100nF
C68
100nF
C56
100pF
C40
100pF
C44
100pF
J11
CONN-SIL18
U1
MAX6693
DXP1
DXN1
DXP2
DXN2
DXP3
DXN3
DXP4
DXN4
DXP5
DXN5
DXP6
DXN6
SMBSCLK
SMBDATA
ALERT
OVERT
STBY
VCC
GND
R21
10k
R34
10k
R20
10k
PWR AMP ON/OFF
C43
100nF
C71
100pF
C70
100pF
C69
100pF
U13
MAX7320
SCL
SDA
RST
O0
O1
O2
O3
O4
O5
O6
O7
V+
AD0
AD2
MUTE
P MUTE
R75
10k
C38
100nF
J12
CONN-SIL8
EX SPI MASTER
EX CS 1
MOSI
MISO
SCLK
DGND
CONN-SIL5
EX SPI MASTER 1
EX CS 2
CONN-SIL5
R22
10
TO LCD PIN15
R18
1k
TO LCD PIN16
R23
10k
LED LCD PWM
Q3
BC857A
Q2
2N7002
J8
CONN-SIL4
R19
10k
Q1
BC847B
R10
1k
C5
220uF
C6
100nF
C12
100nF
C58
100nF
U19
MAX1658
IN
OUT
SET
SHDN
C59
220uF
C60
100nF
C61
100nF
V DC
+3.3
D11
CHG-LED
R33
200
U7
MAX1658
C13
220uF
C55
100nF
C54
100nF
C11
100nF
C21
220uF
C20
470nF
C57
100nF
BUTTONS
ENC PUSH
J2
CONN-SIL2
C37
100nF