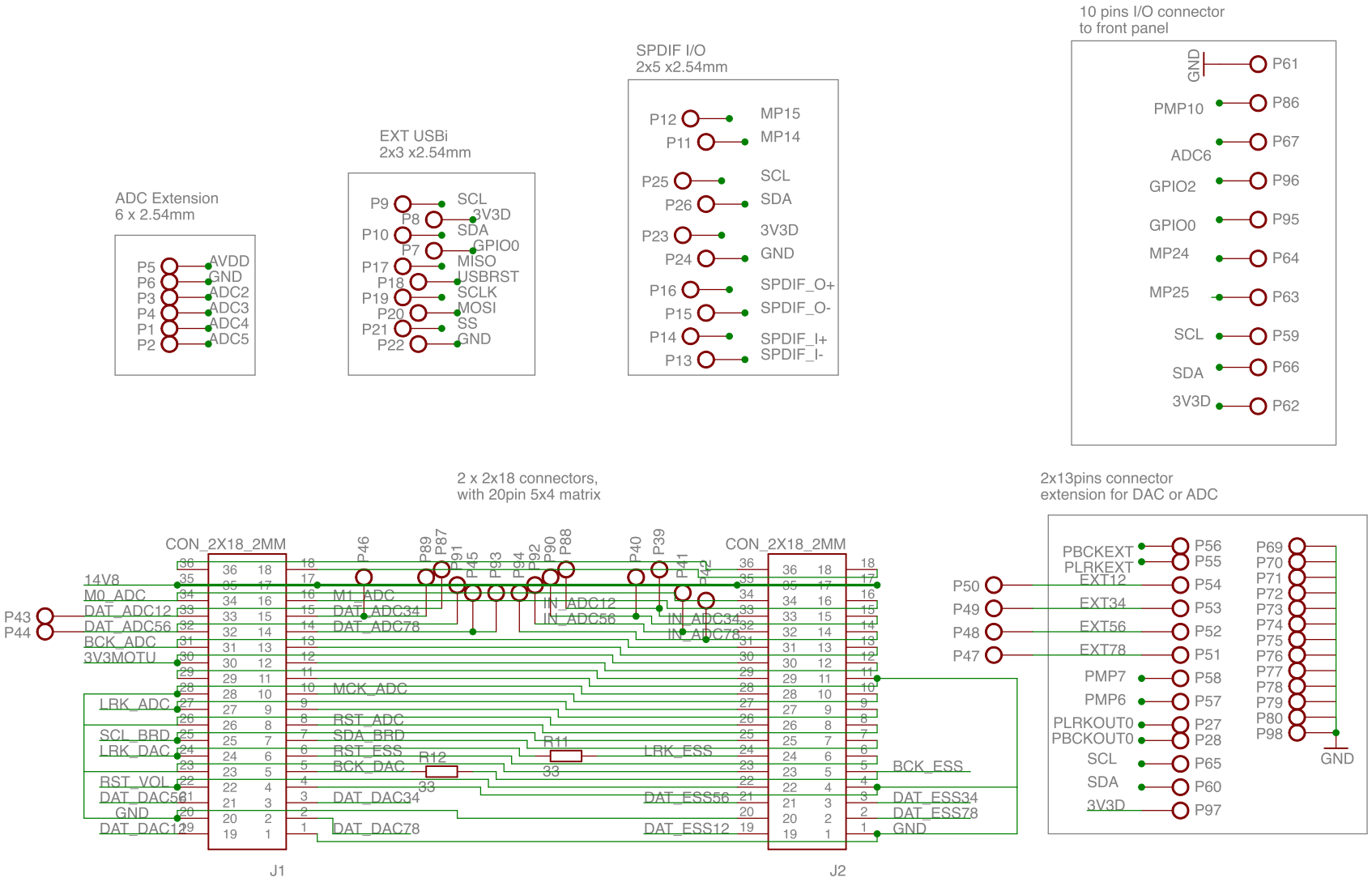
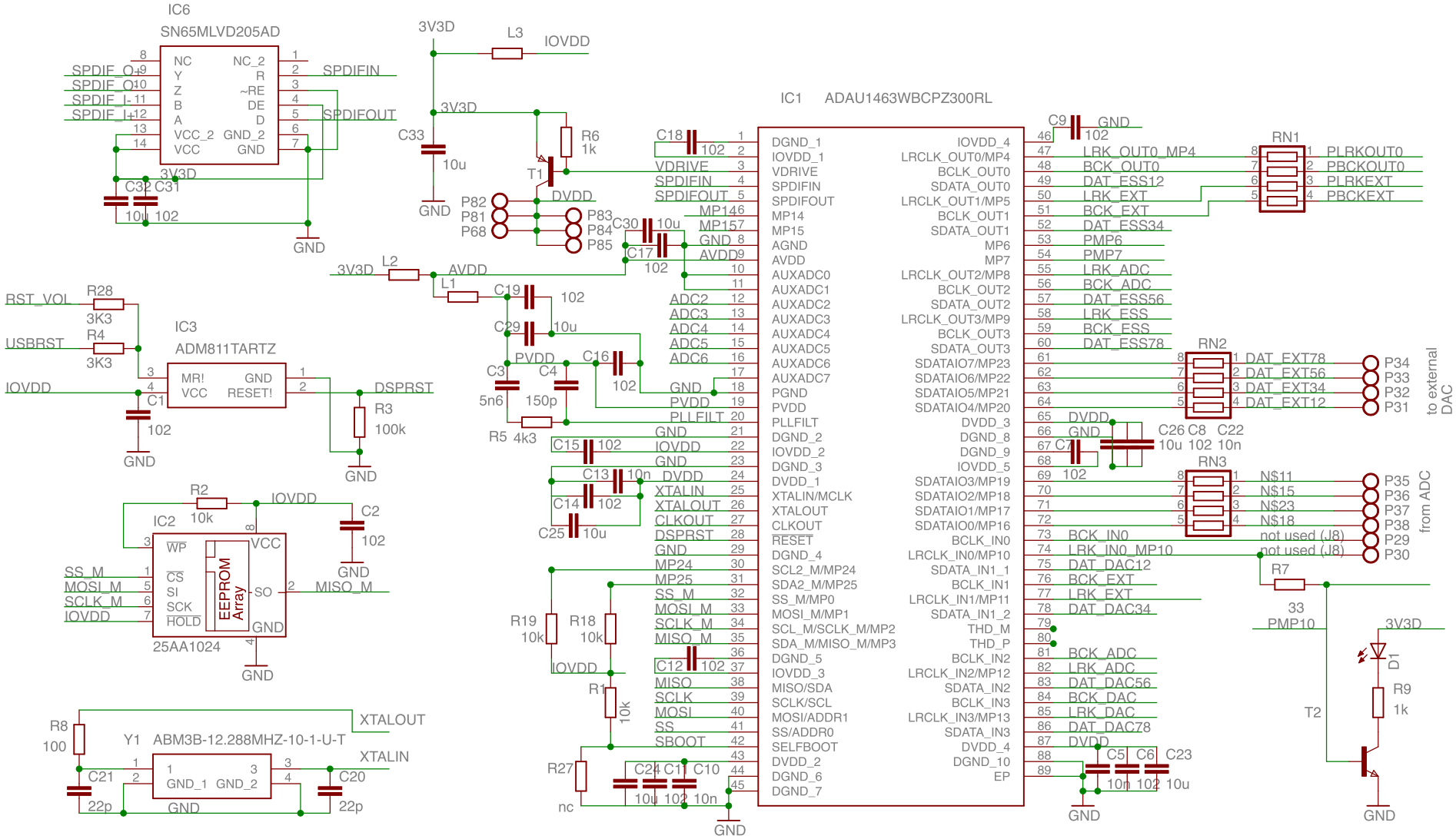
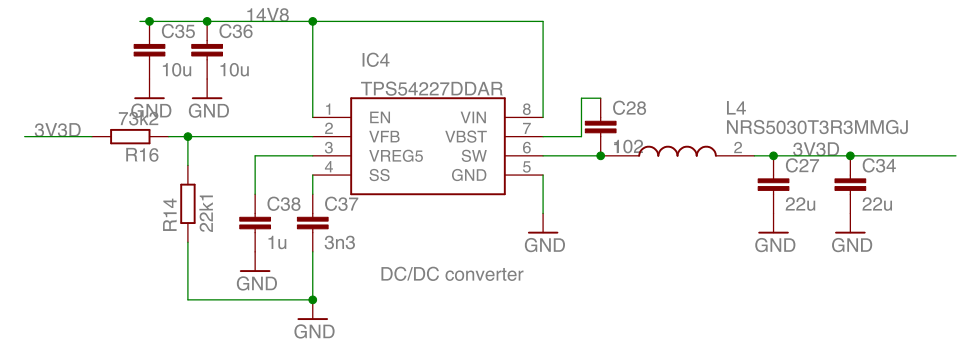
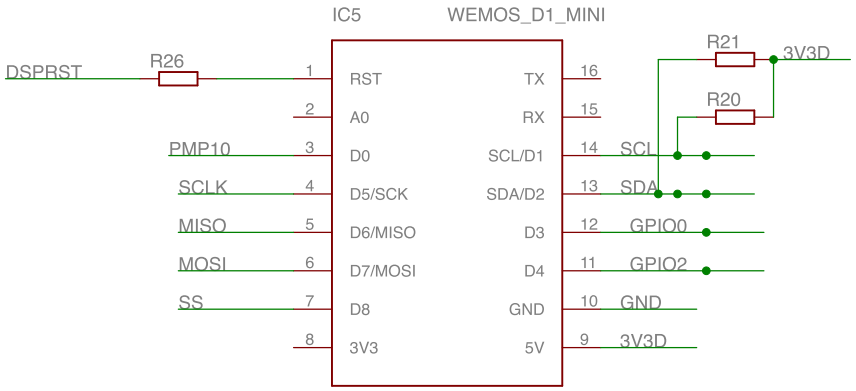

ADC Extension
6 x 2.54mm
P5 AVDD
P6 GND
P3 ADC2
P4 ADC3
P1 ADC4
P2 ADC5
EXT USBi
2x3 x2.54mm
P9 SCL
P8 3V3D
P10 SDA
P7 GPIO0
P17 MISO
P18 USBRST
P19 SCLK
P20 MOSI
P21 SS
P22 GND
SPDIF I/O
2x5 x2.54mm
P12 MP15
P11 MP14
P25 SCL
P26 SDA
P23 3V3D
P24 GND
P16 SPDIF_O+
P15 SPDIF_O-
P14 SPDIF_I+
P13 SPDIF_I-
10 pins I/O connector
to front panel
GND P61
PMP10 P86
ADC6 P67
GPIO2 P96
GPIO0 P95
MP24 P64
MP25 P63
SCL P59
SDA P66
3V3D P62
2 x 2x18 connectors,
with 20pin 5x4 matrix
CON_2X18_2MM
14V8
M0_ADC
DAT_ADC12
DAT_ADC56
BCK_ADC
3V3MOTU
LRK_ADC
SCL_BRD
LRK_DAC
RST_VOL
DAT_DAC56
GND
DAT_DAC12
M1_ADC
DAT_ADC34
DAT_ADC78
MCK_ADC
RST_ADC
SDA_BRD
RST_ESS
BCK_DAC
DAT_DAC34
DAT_DAC78
R12
33
R11
33
IN_ADC12
IN_ADC56
IN_ADC34
IN_ADC78
LRK_ESS
BCK_ESS
DAT_ESS56
DAT_ESS12
DAT_ESS34
DAT_ESS78
GND
P43
P44
J1
J2
2x13pins connector
extension for DAC or ADC
P50
P49
P48
P47
PBCKEXT P56
PLRKEXT P55
EXT12 P54
EXT34 P53
EXT56 P52
EXT78 P51
PMP7 P58
PMP6 P57
PLRKOUT0 P27
PBCKOUT0 P28
SCL P65
SDA P60
3V3D P97
P69
P70
P71
P72
P73
P74
P75
P76
P77
P78
P79
P80
P98
GND


IC6
SN65MLVD205AD
NC
Y
Z
B
A
VCC_2
VCC
NC_2
R
~RE
DE
D
GND_2
GND
SPDIF_O-
SPDIF_O+
SPDIF_I-
SPDIF_I+
SPDIFIN
SPDIFOUT
3V3D
C32 C31
10u 102
GND
3V3D
L3
IOVDD
C33
10u
R6
1k
T1
DVDD
P82
P81
P68
P83
P84
P85
C30 10u
C17 102
3V3D
L2
AVDD
L1
C19 102
C29 10u
PVDD
C3 5n6
C4 150p
R5 4k3
C16 102
C18 102
IC1 ADAU1463WBCPZ300RL
DGND_1
IOVDD_1
VDRIVE
SPDIFIN
SPDIFOUT
MP14
MP15
AGND
AVDD
AUXADC0
AUXADC1
AUXADC2
AUXADC3
AUXADC4
AUXADC5
AUXADC6
AUXADC7
PGND
PVDD
PLLFILT
DGND_2
IOVDD_2
DGND_3
DVDD_1
XTALIN/MCLK
XTALOUT
CLKOUT
RESET
DGND_4
SCL2_M/MP24
SDA2_M/MP25
SS_M/MP0
MOSI_M/MP1
SCL_M/SCLK_M/MP2
SDA_M/MISO_M/MP3
DGND_5
IOVDD_3
MISO/SDA
SCLK/SCL
MOSI/ADDR1
SS/ADDR0
SELFBOOT
DVDD_2
DGND_6
DGND_7
IOVDD_4
LRCLK_OUT0/MP4
BCLK_OUT0
SDATA_OUT0
LRCLK_OUT1/MP5
BCLK_OUT1
SDATA_OUT1
MP6
MP7
LRCLK_OUT2/MP8
BCLK_OUT2
SDATA_OUT2
LRCLK_OUT3/MP9
BCLK_OUT3
SDATA_OUT3
SDATAIO7/MP23
SDATAIO6/MP22
SDATAIO5/MP21
SDATAIO4/MP20
DVDD_3
DGND_8
DGND_9
IOVDD_5
SDATAIO3/MP19
SDATAIO2/MP18
SDATAIO1/MP17
SDATAIO0/MP16
BCLK_IN0
LRCLK_IN0/MP10
SDATA_IN1_1
BCLK_IN1
LRCLK_IN1/MP11
SDATA_IN1_2
THD_M
THD_P
BCLK_IN2
LRCLK_IN2/MP12
SDATA_IN2
BCLK_IN3
LRCLK_IN3/MP13
SDATA_IN3
DVDD_4
DGND_10
EP
C9 102
GND
LRK_OUT0_MP4
BCK_OUT0
DAT_ESS12
LRK_EXT
BCK_EXT
DAT_ESS34
PMP6
PMP7
LRK_ADC
BCK_ADC
DAT_ESS56
LRK_ESS
BCK_ESS
DAT_ESS78
DVDD
GND
C26 C8 C22
10u 102 10n
C7 102
RN1
PLRKOUT0
PBCKOUT0
PLRKEXT
PBCKEXT
RN2
DAT_EXT78
DAT_EXT56
DAT_EXT34
DAT_EXT12
P34
P33
P32
P31
to external DAC
RN3
N$11
N$15
N$23
N$18
not used (J8)
not used (J8)
P35
P36
P37
P38
P29
P30
from ADC
BCK_IN0
LRK_IN0_MP10
DAT_DAC12
BCK_EXT
LRK_EXT
DAT_DAC34
BCK_ADC
LRK_ADC
DAT_DAC56
BCK_DAC
LRK_DAC
DAT_DAC78
DVDD
C5 C6 C23
10n 102 10u
GND
R7
33
PMP10
3V3D
D1
R9
1k
T2
GND
IC3
ADM811TARTZ
MR!
VCC
GND
RESET!
RST_VOL
R28
3K3
USBRST
R4
3K3
IOVDD
C1
102
GND
DSPRST
R3
100k
GND
IC2
25AA1024
WP
CS
SI
SCK
HOLD
VCC
SO
GND
EEPROM Array
R2
10k
IOVDD
C2
102
GND
SS_M
MOSI_M
SCLK_M
IOVDD
MISO_M
R19 10k
R18 10k
IOVDD
R1 10k
C12 102
MP24
MP25
SS_M
MOSI_M
SCLK_M
MISO_M
MISO
SCLK
MOSI
SS
SBOOT
R27
nc
C24 C11 C10
10u 102 10n
GND
C13 10n
C14 102
C25 10u
DVDD
XTALIN
XTALOUT
CLKOUT
DSPRST
GND
R8
100
XTALOUT
Y1 ABM3B-12.288MHZ-10-1-U-T
GND_1
GND_2
XTALIN
C21
22p
GND
C20
22p


14V8
C35
C36
10u
10u
GND
GND
IC4
TPS54227DDAR
3V3D
73k2
R16
EN
VFB
VREG5
SS
VIN
VBST
SW
GND
C28
102
L4
NRS5030T3R3MMGJ
3V3D
C27
22u
C34
22u
GND
GND
R14
22k1
C38
1u
C37
3n3
GND
GND
DC/DC converter


IC5
WEMOS_D1_MINI
DSPRST
R26
RST
A0
D0
D5/SCK
D6/MISO
D7/MOSI
D8
3V3
TX
RX
SCL/D1
SDA/D2
D3
D4
GND
5V
PMP10
SCLK
MISO
MOSI
SS
R21
3V3D
R20
SCL
SDA
GPIO0
GPIO2
GND
3V3D