D5V0
C1 1uF
C3 1uF
C4 0.1uF
Ocillator
D3V3
C6 1uF
C10 0.1uF
Reciever
DGND
C12 1uF
C13 0.1uF
Sample rate converter
C14 47uF
C15 1uF
C16 0.1uF
DAC
R4 0R0
Close to ADC
AGND
AV+
AV−
OPA1656_1
OPA1656_2
OPA1656_3
OPA1656_4
C17 0.1uF
C19 10uF
C22 47uF
C18 0.1uF
C20 10uF
C23 47uF
U1C OPA1656
C26 0.1uF
C29 10uF
C36 47uF
C27 0.1uF
C30 10uF
C37 47uF
U2C OPA1656
C40 0.1uF
C43 10uF
C46 47uF
C41 0.1uF
C44 10uF
C47 47uF
U3C OPA1656
C56 0.1uF
C58 10uF
C60 47uF
C57 0.1uF
C59 10uF
C61 47uF
U4C OPA1656
U9
UA78L05
IN GND OUT
A5V0
ADCR
ADCL
C28 47uF
C31 10uF
C38 0.1uF
C39 47uF
C42 10uF
C45 0.1uF
TP J17
DGND
J18 TP
AGND
J11
Conn_02x05_Odd_Even
DGND 1 2 BFRAME
D3V3 3 4 EMPH
D5V0 5 6 UOUT
DGND 7 8 COUT
nRESET 9 10 DGND
J15
Conn_01x08_Male
Rp
Rn
AV+
AV−
Lp
Ln
D3V3
R3 10
PLL_D3V3
C7 0.1u
PLL_FILT
C5 0.068uF
C8 0.0047uF
R2 680
J5 MUTE_SEL
J10 SYS_CLK_SEL
J12 D_CLK_SEL
J13 LR_CLK_SEL
J14 DATA_SEL
R26 term
R27 term
R28 term
R29 term
192 kHz
96 kHz
J16 fs_sel
MODE1
U6
DIR9001
U8
SRC4192
MUTE
DEC_ERROR
D1 LED_RED
R1 R_Small
J6
J7
J8
J19 CLK_CHNG_DEC
J9
U5
TORX1950A
TTL 5V
L1 47uH
C2 0.1uF
Y1
Crystal
27 MHz, HC-49
U7
ICS661
C9 24pF
C11 24pF
SYS_CLK_GEN 24.576MHz
U0
PCM1794A
A5V0
C21 47uF
C24 47uF
C25 47uF
SYS_CLK_SEL
D_CLK_SEL
LR_CLK_SEL
DATA_SEL
ADC_MUTE
nRESET
IOUTL+
IOUTL−
IOUTR+
IOUTR−
IREF
R5 10k
C32 2200pF
R6 820
C33 2200pF
R7 820
C34 2200pF
R8 820
C35 2200pF
R9 820
R10 360
R11 360
R12 360
R13 360
R14 360
R15 360
R16 360
R17 360
R18 360
R19 360
R20 360
R21 360
R22 360
R23 360
R24 360
R25 360
C48 0.01uF
C49 0.01uF
C50 0.01uF
C51 0.01uF
C52 0.01uF
C53 0.01uF
C54 0.01uF
C55 0.01uF
OPA1656 U1A
OPA1656 U3A
OPA1656 U1B
OPA1656 U3B
OPA1656 U2A
OPA1656 U4A
OPA1656 U2B
OPA1656 U4B
Lp
Ln
Rp
Rn