

Halbleiter

IC1 MSP430F149
IC2 TAS3004

Quarze

X1 12.288MHz
X2 32.768kHz

Kondensatoren

C1 1,2nF
C2 68nF
C3 1.0uF
C4 0.1uF
C5 0.1uF
C6 10uF
C7 0.1uF
C8 10uF
C9 0.1uF
C10 1.2nF
C11 1.2nF
C12 0.47uF
C13 0.47uF
C14 470pF
C15 470pF
C16 0.47uF
C17 0.47uF
C18 0.1uF
C19 33pF
C20 33pF
C21 1nF
C22 1nF
C23 0.1uF
C24 100uF

Widerstände

R1 27R
R2 27k
R3 27k
R4 4.7K
R5 4.7K
R6 6.8K
R7 6.8K
R8 560R
R9 4.7k
R10 4.7k

Steckverbinder

J1	1x2	RX-Jumper
J2	1x2	TX-Jumper
J3	2x7	JTAG-MSP430
J4	1x5	Externer I2C
J5	1x2	XTAL-Brücke
J6	1x2	CS1-Brücke
J7	1x3	MCLK-Select (XTAL/Extern)
J8	1x2	IFM/S (TAS3004 Master/Slave) - Select
J9	2x5	I2S-Interface (MCLK Slave, BCLK, LRCLK, SDIN, SDOUT)
J10	1x2	MCLK Master
J11	1x3	L-Channel Select (Input oder PWM-Out)
J12	1x4	Audio-Input (Stereo)
J13	1x4	Audio-Output (Stereo)
J14	2x20	Spartan-3 Starter Kit Header B1