

Hier findet ihr die aktuelle Bauteileliste für den OVI40-SDR.

UI-Platine:

Achtung! Diese Liste ist vorläufig! Während des Betatests werden sich mit Sicherheit noch Änderungen ergeben.

z.B. ist der SD-Cardreader, der hier aufgeführt ist, nur für die Betaserie gültig. Er wird in der endgültigen Fassung durch einen anderen ersetzt werden.

Part	Value	Description	Package	Amount	FARNELL	Price	Reichelt	Price	Mouser	Price	Digikey	Price
BOM OVI40-SDR UI V1.7		24-09-2017	DF80E				Distributor					
IC1 /IC12	WM8731	Audio CODEC WM8731	SSOP28	2					238-WM8731SEDS/V		WM8731SEDS/RVCT-ND	3,63
		or Audio CODEC TLV320AIC23BPWG4	SSOP28	2	120-7297	9,25						
IC2	LM4952TS	TI Stereo Audio PA	LM4952	1	100-8028	3,72			926-LM4952TS/NOPB		LM4952TS/NOPB-ND	3,06
IC3	LP5907_Q1	TI low noise LDO 3,3 Volt	SOT23-5	1	249-2304	0,654			595-LP5907QMF3-3.3Q1		296-38557-1-ND	0,47
IC4	STM32F76X_ZIT6	MCU	LQFP144	1	253-5499	12,84			511-STM32F767ZIT6		497-16521-ND	13,26
IC5	ASTX-H11	16 MHz TCXO 2,5ppm 3,2 x 2,5 mm	TCXO_32X25	1					815-ASTXH1116T		535-12044-1-ND	2,84
IC6	KA78RM33R	3,3 Volt LDO	DPAK	1	245-1041	0,681	TS 2940 CP33		821-TS2940CP33			
IC7	AT24CM02	I2C EEPROM	SO08	1			24LC1026_ISN		579-24LC1026I/SN		AT24CM02-SSHM-B-ND	1,89
IC8	NCP5501DT50G	5,0 Volt LDO	DPAK	1	170-3369	0,602	TS 2940 CP50		821-TS2940CP50			
Q1	32,768 kHz	QCM-315_SMD	CM315	1					695-CM315D-32.7KEZFT		300-8813-1-ND	0,6
T3	BC857	PNP Transistor	SOT23	1	179-8067	0,02	BC 857C SMD	0,034	771-BC857CW115			
D5	BAV70	Double Diode	SOT23	2	267-7467	0,031	BAV 70 SMD	0,034	512-BAV70			
D6	BAV70	Double Diode	SOT23	.								
D7	BAS85	Schottky barrier diode	SOD80C	3	146-9394	0,23	BAS 85 SMD	0,034	771-BAS85135			
D8	BAS85	Schottky barrier diode	SOD80C	.								
D9	BAS85	Schottky barrier diode	SOD80C	.								
D1	green	LED	LED_3MM	1	276-4976	0,409	LED 3MM ST GN					
D2	red	LED	LED_3MM	1	276-4977	0,361	LED 3MM ST RT					
D3	blue	LED	LED_3MM	1	276-4975	0,443	LED 3MM ST BL					
BAT1-HOLDER		Battery Holder CR2032		1	188-5903	2,98					BU2032-1-ND	0,66
BAT1	CR2032P_L	Lithium Battery 3,0Volt	CR_2032_H	1			CR 2032P-H					
X1	PN87520-S	USB Plug HOST	PN87520-S	1	117-7883	0,81	USB AW	0,2				
J11	MINI-USB_B	USB Plug DFU	MINI-USB_B	1	211-2367	0,561	USB BWM SMD	0,28				
LCD1	HY32D	3,2 Zoll LCD ILI9325	HY32D_UHSDR_MOD	1								
L1	47uH	L_SMD1005	L1005	3	221-5655	0,13					MLZ2012M470WT000	0,12
L2	47uH	L_SMD1005	L1005	.								
L3	47uH	L_SMD1005	L1005	.								
R1	47k	SMD Resistor TK50	0805	6			SMD-0805 47k	0,02				
R1A	100R	SMD Resistor TK50	0603	13			SMD-0603 100	0,03				
R1B	0R	SMD Resistor TK50	0603	3			SMD-0603 0	0,03				
R2	1k	SMD Resistor TK50	0603	7			SMD-0603 1,0k	0,03				
R3	100R	SMD Resistor TK50	0603	.								
R4	1k	SMD Resistor TK50	0603	.								
R4B1	2R2	SMD Resistor TK50	1206	4			SMD 1/4W 2,2	0,03				
R4D	2R2	SMD Resistor TK50	1206	.								
R5	0R	SMD Resistor TK50	0603	.								
R6	1k	SMD Resistor TK50	0603	.								
R7	1k	SMD Resistor TK50	0603	.								
R8	100R	SMD Resistor TK50	0603	.								
R9	4k7	SMD Resistor TK50	0805	4			SMD-0805 4,7k	0,02				
R10	4k7	SMD Resistor TK50	0603	1			SMD-0603 4,7k	0,02				
R11	4k7	SMD Resistor TK50	0805	.								
R12	4k7	SMD Resistor TK50	0805	.								
R13	47R	SMD Resistor TK50	0603	7			SMD-0603 47	0,03				
R14	47R	SMD Resistor TK50	0603	.								
R15	1k	SMD Resistor TK50	0603	.								
R16	100R	SMD Resistor TK50	0603	.								
R17	100R	SMD Resistor TK50	0603	.								
R18	100R	SMD Resistor TK50	0603	.								
R19	100R	SMD Resistor TK50	0603	.								
R20	100R	SMD Resistor TK50	0603	.								
R21	47R	SMD Resistor TK50	0603	.								
R22	47R	SMD Resistor TK50	0603	.								
R23	0R	SMD Resistor TK50	0805	8			SMD-0805 0	0,02				
R24	680R	SMD Resistor TK50	0805	4			SMD-0805 680	0,02				

R25	4k7	SMD Resistor TK50	0805	.							
R26	100R	SMD Resistor TK50	0603	.							
R27	100R	SMD Resistor TK50	0603	.							
R28	100R	SMD Resistor TK50	0603	.							
R29	1k	SMD Resistor TK50	0603	.							
R30	0R	SMD Resistor TK50	0805	.							
R31	0R	SMD Resistor TK50	0805	.							
R32	0R	SMD Resistor TK50	0805	.							
R33	100R	SMD Resistor TK50	0603	.							
R34	100R	SMD Resistor TK50	0603	.							
R35A	4R7	SMD Resistor TK50	1206	1			SMD ¼W 4,7	0,03			
R36	680R	SMD Resistor TK50	0805	.							
R37	680R	SMD Resistor TK50	0805	.							
R40	1k	SMD Resistor TK50	0603	.							
R41	47R	SMD Resistor TK50	0603	.							
R45	2R2	SMD Resistor TK50	1206	.							
R46	2R2	SMD Resistor TK50	1206	.							
R47	47R	SMD Resistor TK50	0603	.							
R48	47R	SMD Resistor TK50	0603	.							
R101	0R	SMD Resistor TK50	0603	.							
R108	0R	SMD Resistor TK50	0805	.							
R110	0R	SMD Resistor TK50	0805	.							
R112	0R	SMD Resistor TK50	0805	.							
R114	0R	SMD Resistor TK50	0805	.							
R116	680R	SMD Resistor TK50	0805	.							
R120	47k	SMD Resistor TK50	0805	.							
R121	47k	SMD Resistor TK50	0805	.							
R122	47k	SMD Resistor TK50	0805	.							
R123	47k	SMD Resistor TK50	0805	.							
R124	47k	SMD Resistor TK50	0805	.							
C1	1nF	SMD Chip Capacitor NP0/COG	0603	10			KEM COG0603 1,0N	0,01			
C1A	1nF	SMD Chip Capacitor NP0/COG	0603	.							
C1B	1nF	SMD Chip Capacitor NP0/COG	0603	.							
C1C	1nF	SMD Chip Capacitor NP0/COG	0603	.							
C1D	1nF	SMD Chip Capacitor NP0/COG	0603	.							
C2	1nF	SMD Chip Capacitor NP0/COG	0603	.							
C3	1nF	SMD Chip Capacitor NP0/COG	0603	.							
C4	1nF	SMD Chip Capacitor NP0/COG	0603	.							
C5	220uF	SMD Tantal-ELKO 10V	TA-C	5			TAJ 6032 220/10	0,46			
C6	220uF	SMD Tantal-ELKO 10V	TA-C	.							
C7	470nF	SMD Chip Capacitor NP0/COG	0603	4			NPO 0603 CD 470N	0,04			
C8	470nF	SMD Chip Capacitor NP0/COG	0603	.							
C9	220uF	SMD Alu-Elko 16V low ESR	E_SMD_0608	6			VF 220/16 P-D8	0,3			
C10	100nF	SMD Chip Capacitor X7R	0603	63			X7R 0603FCF 100N	0,04			
C11	100nF	SMD Chip Capacitor X7R	0603	.							
C12	10uF	SMD Tantal-ELKO 16V	TA-B 3,5 x 2,8	9			T494B 10U 16	0,51			
C13	10uF	SMD Tantal-ELKO 16V	TA-B 3,5 x 2,8	.							
C14	100nF	SMD Chip Capacitor X7R	0603	.							
C15	100nF	SMD Chip Capacitor X7R	0603	.							
C16	10uF	SMD Tantal-ELKO 16V	TA-B 3,5 x 2,8	.							
C17	10uF	SMD Tantal-ELKO 16V	TA-B 3,5 x 2,8	.							
C18	1uF	SMD Chip Capacitor NP0/COG	0603	8			NPO 0603 CE 1,0U	0,04			
C19	1uF	SMD Chip Capacitor NP0/COG	0603	.							
C20	470nF	SMD Chip Capacitor NP0/COG	0603	.							
C21	1nF	SMD Chip Capacitor NP0/COG	0603	.							
C22	10uF	SMD Tantal-ELKO 16V	TA-B 3,5 x 2,8	.							
C23	100nF	SMD Chip Capacitor X7R	0603	.							
C24	4.7uF	SMD Tantal-ELKO	TA-A 3,2 x 1,6	1			T491A 4,7U 16	0,04			
C25	100nF	SMD Chip Capacitor X7R	0603	.							
C26	100nF	SMD Chip Capacitor X7R	0603	.							
C27	220pF	SMD Chip Capacitor NP0/COG	0805	2			NPO 0805 BG 220P	0,04			
C28	220pF	SMD Chip Capacitor NP0/COG	0805	.							

S10	F3	SMD Pushbutton KSC941J		.								
S11	F1	SMD Pushbutton KSC941J		.								
S12	F2	SMD Pushbutton KSC941J		.								
S13	F4	SMD Pushbutton KSC941J		.								
S14	BP	SMD Pushbutton KSC941J		.								
S15	F5	SMD Pushbutton KSC941J		.								
S16	G1	SMD Pushbutton KSC941J		.								
S17	Power	SMD Pushbutton KSC941J		.								
S18	not assigned yet	SMD Pushbutton KSC941J		.								
J1	1503_07	Audio Plug 3,5mm	1503_07	3	121-7016	2,26	LUM 1503-07	0,59				
J2	1503_07	Audio Plug 3,5mm	1503_07	.								
J3	1503_07	Audio Plug 3,5mm	1503_07	.								
J4	1503_09	Audio Plug w. 2 switches	1503_09	1	124-3244	2,04	LUM 1503-09	0,99				
E1	EC12E_SW	Alps Encoder with push function	ALPS_EC12E_SW	4	152-0813	1,86	STEC12E08	2,1				
E2	EC12E_SW	Alps Encoder with push function	ALPS_EC12E_SW	.								
E3	EC12E_SW	Alps Encoder with push function	ALPS_EC12E_SW	.								
E4	EC12E_SW	Alps Encoder with push function	ALPS_EC12E_SW	.								
	Button Cap	Cap grey	BTNKSC920	4							CKN10429-ND	0,27
	Button Cap	Cap red	BTNKSC940	2							CKN10428-ND	0,27
	Button Cap	Cap black	BTNKSC990	2							CKN10426-ND	0,27
	Button Cap	Cap white	BTNKSC980	10							CKN10427-ND	0,27
JP1	30 Pin Board to Board	Pinheader-1x30	1x30	1			3x 40-polig					
JP2	25 Pin Board to Board	Pinheader-1x25	1x25	1								
JP3	6 Pin Board to Board	Pinheader-1x06	1x06	4								
P1	SW_12V	Pinheader-1x02	1x02	6								
P2	Speaker left	Pinheader-1x02	1x02	.								
P7	Speaker right	Pinheader-1x02	1x02	.								
P6	DFU mode Jumper	Pinheader-1x02	1x02	.								
JP8	DEBUG	Pinheader-1x06	1x06	.								
JP17	short S17	Pinheader-1x02	1x02	.								
JP5	ext. USB Host	Pinheader-1x04	1x04	2								
JP6	ext. USB DFU	Pinheader-1x04	1x04	.								
JP4	ext. Audio	Pinheader-1x06	1x06	.								
JP7	ext. Audio	Pinheader-1x06	1x06	.								
P3	alternative Bridge Vbat	Pinheader-1x02	1x02	.								
LCD1		Pinheader-2x17	2x17	1								
LCD/PCB		Holeheader low profile 2x17	BL 2X17G 2,54	1								
BU2	MOLEX_SD_49225-0821	MICROSD_Cardreader	Molex 503182-1853	1	176-4375	1,99					HR1942CT-ND	2,05
	optional parts											
D4	SS16SMA	Vishay General Semiconductor SS16	DIODE_SMA									
IC9	CY15B104Q	SPI FRAM	SO08									
IC11	SST25VF04B	SPI FLASH 2,7V, 4Mbit	SO08				SST 25VF040B	0,97			SST25VF040B-50-4I-SAF-N	0,82

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