

## OVI-40 v1.8 packing and installation list

	Qu.	Type	Part identification
<b>PCB OVI-40 UI</b>	1	v1.8	Large blue and flat part
<b>BAG 1</b>			
<b>1503_07</b>	3	LUM1503-07	Audio Plug 3,5mm
<b>1503_09</b>	1	LUM1503-09	Audio Plug 3,5mm with 2 switches
<b>EC12E_SW</b>	4	ALPS_EC12E_SW	Alps Encoder 24/24 with push button
<b>Button cap</b>	2	BTNKSC940	red
<b>Button cap</b>	2	BTNKSC990	black
<b>Button cap</b>	15	BTNKSC980	white
<b>470nF</b>	4	COG 0805	C7, C8, C20, C40
<b>green</b>	1	LED 3mm	D1
<b>BAG 2</b>			
<b>LM4952TS</b>	1	LM4952	TI audio stereo PA
<b>PN87520-S</b>	1	PN87520-S	USB plug host
<b>Mini USB-B</b>	1		USB plug DFU (mini-B type)
<b>MOLEX_SD</b>	1	503182-1853	MicroSD Card Reader
<b>CR2032 holder</b>	1		CR2032 battery holder
<b>32,768kHz Xtal</b>	1	QCM-315_SMD	Q1
<b>47µH</b>	3	L_SMD1005	L1 - L3
<b>red</b>	1	LED 3mm	D2
<b>BAG 3</b>			
<b>WM8731</b>	2	SSOP28	IC1, IC12 : Audio CODEC WM8731
<b>LP5907</b>	1	SOT23-5	IC3 : LP5907_Q1
<b>STM32F76X_ZIT6</b>	1	LFPQ144	IC4 : MCU
<b>ASTX-H11</b>	1	TCXO_32x25	IC5 : TCXO 16MHz 2,5ppm
<b>KA78RM33R</b>	1	DPAK	IC6 : 3,3V LDO
<b>AT24CM02</b>	1	SO08	IC7 : I2C EEPROM
<b>NCP5501DT50G</b>	1	DPAK	IC8 : 5V LDO
<b>BC857</b>	1	SOT23	T3
<b>BAV70</b>	2	SOT23	D5, D6
<b>BAS85</b>	3	SOD80C	D7 - D9
<b>blue</b>	1	LED 3mm	D3
<b>BAG 4</b>			
<b>0Ω</b>	1	R 0603	R101
<b>4,7µF</b>	1	Tantal	C24 (mark is +)
<b>2,2µF</b>	2	COG 0603	C91, C92

<b>2,2Ω</b>	4	R 1206	R45, R46, R4B1, R4D
<b>47kΩ</b>	6	R 0805	R1, R120 - R124
<b>1kΩ</b>	7	R 0603	R2, R4, R6, R7, R15, R29, R40
<b>0Ω</b>	9	R 0805	R1B, R23, R30 - R32, R108, R110, R112, R114
<b>100Ω</b>	13	R 0603	R1A, R3, R8, R16 - R20, R26 - R28, R33, R34
<b>BAG 5</b>			
<b>4,7kΩ</b>	1	R 0603	R10
<b>220pF</b>	1	COG 0603	C109
<b>220pF</b>	2	COG 0805	C27, C28
<b>4,7kΩ</b>	4	R 0805	R9, R11, R12, R25
<b>220μF</b>	5	Tantal	C5, C6, C39, C74A, C120 (mark is +)
<b>47Ω</b>	7	R 0603	R13, R14, R21, R22, R41, R47, R48
<b>1μF</b>	8	COG 0603	C18, C19, C81 - C83, C104, C107, C108
<b>10μF</b>	9	Tantal	C12, C13, C16, C17, C22, C41, C97, C98, C111
<b>1nF</b>	10	COG 0603	C1 - C4 , C1A, C1B, C1C, C1D, C21, C38
<b>BAG 6</b>			
<b>CR2032</b>	1	CR2032	Lithium Battery 3,0V
<b>4,7Ω</b>	1	R 1206	R35A
<b>8,2pF - 10pF</b>	2	C 0603	C124, C125
<b>680Ω</b>	4	R 0805	R24, R36, R37, R116
<b>1nF</b>	10	COG 0805	C36, C37, C67-C74
<b>100nF</b>	61 (62)	X7R 0603	C10, C11, C14, C15, C23, C25, C26, C29 - C31, C34, C42 - C66, C75 - C80, C84 - C90, C94, C95, C99 - C102, C105, C106, C112, C121 - C123
<b>BAG 7</b>			
<b>G3</b>	19	SMD pushbutton	S1 - S19
<b>220μF</b>	6	SMD Alu 16V	C9, C32, C32B, C33, C35, C96 (mark is -)
<b>40 pinheader</b>	3		40 pin board to board pinheader
<b>2x17 pin holeheader</b>	1		2x17 pin holeheader