

OVI-40 v1.8 packing and installation list

	Qu.	Type	Part identification
PCB OVI-40 UI	1	v1.8	Large blue and flat part
BAG 1			
1503_07	3	LUM1503-07	Audio Plug 3,5mm
1503_09	1	LUM1503-09	Audio Plug 3,5mm with 2 switches
EC12E_SW	4	ALPS_EC12E_SW	Alps Encoder 24/24 with push button
Button cap	2	BTNKSC940	red
Button cap	2	BTNKSC990	black
Button cap	15	BTNKSC980	white
470nF	4	COG 0805	C7, C8, C20, C40
green	1	LED 3mm	D1
BAG 2			
LM4952TS	1	LM4952	TI audio stereo PA
PN87520-S	1	PN87520-S	USB plug host
Mini USB-B	1		USB plug DFU (mini-B type)
MOLEX_SD	1	503182-1853	MicroSD Card Reader
CR2032 holder	1		CR2032 battery holder
32,768kHz Xtal	1	QCM-315_SMD	Q1
47µH	3	L_SMD1005	L1 - L3
red	1	LED 3mm	D2
BAG 3			
WM8731	2	SSOP28	IC1, IC12 : Audio CODEC WM8731
LP5907	1	SOT23-5	IC3 : LP5907_Q1 (device mark : LLVB)
STM32F76X_ZIT6	1	LFPQ144	IC4 : MCU
ASTX-H11	1	TCXO_32x25	IC5 : TCXO 16MHz 2,5ppm
KA78RM33R	1	DPAK	IC6 : 3,3V LDO
AT24CM02	1	SO08	IC7 : I2C EEPROM
NCP5501DT50G	1	DPAK	IC8 : 5V LDO
BC857	1	SOT23	T3 (device mark: 3F)
BAV70	2	SOT23	D5, D6 (device mark: A4)

BAS85	3	SOD80C	D7 - D9 (Ring = Cathode)
blue	1	LED 3mm	D3
BAG 4			
0Ω	1	R 0603	R101
4,7μF	1	Tantal	C24 (mark is +)
2,2μF	2	COG 0603	C91, C92

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2,2Ω	4	R 1206	R45, R46, R4B1, R4D
47kΩ	6	R 0805	R1, R120 - R124
1kΩ	7	R 0603	R2, R4, R6, R7, R15, R29, R40
0Ω	9	R 0805	R1B, R23, R30 - R32, R108, R110, R112, R114
100Ω	13	R 0603	R1A, R3, R8, R16 - R20, R26 - R28, R33, R34
BAG 5			
4,7kΩ	1	R 0603	R10
220pF	1	COG 0603	C109
220pF	2	COG 0805	C27, C28
4,7kΩ	4	R 0805	R9, R11, R12, R25
220μF	5	Tantal	C5, C6, C39, C74A, C120 (mark is +)
47Ω	7	R 0603	R13, R14, R21, R22, R41, R47, R48
1μF	8	COG 0603	C18, C19, C81 - C83, C104, C107, C108
10μF	9	Tantal	C12, C13, C16, C17, C22, C41, C97, C98, C111 (mark is +)
1nF	10	COG 0603	C1 - C4 , C1A, C1B, C1C, C1D, C21, C38
BAG 6			
CR2032	1	CR2032	Lithium Battery 3,0V
4,7Ω	1	R 1206	R35A
8,2pF - 10pF	2	C 0603	C124, C125
680Ω	4	R 0805	R24, R36, R37, R116
1nF	10	COG 0805	C36, C37, C67-C74
100nF	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
BAG 7			

G3	19	SMD pushbutton	S1 - S19
220µF	6	SMD Alu 16V	C9, C32, C32B, C33, C35, C96 (mark is -)
40 pinheader	3		40 pin board to board pinheader
2x17 pin holeheader	1		2x17 pin holeheader