

Revision History

Revision:1.1

Date	Revision	Description	Add/Del/Modify	Owner
2023/08	1.0	1st release		Vicy
2023/12	1.3	SSD/DDR	Modify SSD/DDR	Jensen Wang
2024/1	V2.0	EVT Phase	ADD KP PN	Jensen Wang
2024/1	V2.1	EVT Phase	Remove 16GB/Add MB&IO BD PN	Jensen Wang
2024/3	V3.0	DVT Phase	Add SOC/FFC PN	Jensen Wang
2024/4	V3.1	DVT Phase	Add/CCD IR+RGB PN/MB	Jensen Wang
2024/5	V3.2	DVT Phase	Add/512 SSD,QHD LCD, UK KB	Sam Zeng
2024/5	V3.3	DVT Phase	Add/MP VER. SOC DEL/BIWIN SSD,XINLING FP, OLD HS	Sam Zeng
2024/5	V3.4	DVT Phase	Modify KB /TPAD/FP Color	Sam Zeng
2024/6/5	V1.0	MP Phase	ALL	Sam Zeng
2024/6/5	V1.1	MP Phase	DEL VB VER MB /IO BD	Sam Zeng
2024/6/20	V1.2	MP Phase	ADD V1.0 VER MB /IO BD	Sam Zeng
2024/8/1	V1.3	MP Phase	Add XINLING FP	Sam Zeng

UP40ML AVL V1.3

Category	Item	P/N	Description	Stepping/ Firmware/ Version	Vendor	Remark	
1	SOC	15W(ULTRA 5)	01B115-130050	IC SOC.METEOR LAKE ULTRA 5-1.3G CO..BGA 2049P.1300MHz..10 CORES..TDP=15W....12M...(125U).Q47W,MM#99CG0M.....HF.LEAD-FREE.INTEL		INTEL	DVT
		28W(ULTRA 5)	01B115-170051	IC SOC.METEOR LAKE ULTRA 5-1.7G CO..BGA 2049P.1700MHz..12 CORES..TDP=28W....18M...(135H).Q3TE,MM#99CDJ3.....HF.LEAD-FREE.INTEL		INTEL	DVT
		01B115-120080	IC SOC.METEOR LAKE ULTRA 5-1.2G CO..BGA 2049P.1200MHz..14 CORES..TDP=28W....18M...(125H).SRMZ4,MM#99CDJZ.....HF.LEAD-FREE.INTEL		INTEL	MP	
		28W(ULTRA 7)	01B115-140023	IC SOC.METEOR LAKE ULTRA 7-1.4G CO..BGA 2049P.1400MHz..14 CORES..TDP(28W)....24M...(155H).Q3TD,MM#99CDJP.....HF.LEAD-FREE.INTEL		INTEL	DVT
2	MB	28W(ULTRA 5)	89B306-XN4002	M/B NB.UP40ML(1.0) MB...(125H/1.2G)...W/WIFI M.2 /SSD M.2(2280)/LAN/..DTPM/CARDREADER(RTS5170)/KB BL/FP.W/O RTC/WIFI DYNM_SAR.....LEAD-FREE.		ECS	
3	IO DB	W/ Power button	89B306-XM8A12	CARD.LH4033(1.0) IO BD.....W/USB 3.0*3/LAN(RTL8111H)/LID/LED/CCD SWITCH/PWR BTN.....LEAD-FREE.		ECS	
		W/O Power button	89B306-XM8A02	CARD.LH4033(1.0) IO BD.....W/USB 3.0*3/LAN(RTL8111H)/LID/LED/CCD SWITCH.....LEAD-FREE.		ECS	
4	Memory	DDR5 8GB	01B739-144390	IC SDRAM MODULE.8G.(1G*16*4)..SO-DIMM(FBGA).H5CG46AGBDX017N.DDR5.5600M.CBD56546B56HA-8....HF.LEAD-FREE.KINGSTON		KINGSTON	
5	Storage	PCIE 256GB Gen4x4	01B739-144110	IC SDRAM MODULE.8G.(1G*16*4)..SO-DIMM(FBGA).H5CG46AEBDXXXX.DDR5.5600M.HMCG66AGBSA....HF.LEAD-FREE.HYNIX		HYNIX	
		PCIE 512GB	88-146-256485	SSD.TLC..256GB....PCI-E(GEN4).....ASPM.PS5019-E19T.(M8256GV7ECS-E192)...M.2(2280).IDLE=0.04W.HF.LEAD-FREE..PHISON		Phison	
		RT18852BE	88-146-512920	SSD..512GB....PCI-E.....M8512GV7ECS-E192...M.2(2280).IDLE=0.04W.HF.LEAD-FREE..PHISON		Phison	
6	WiFi	AX211	88-105-004760	WLAN CARD.AWX8547NF(RTL8852BE).....PCI/USB..W/BLUETOOTH(V5.2),2T*2R.802.11a/b/g/n/ac/ax.#999MSJ.WI-FI 6E.ASPM..AX211.NGWG.NV...M.2(2230)..HF.LEAD-FREE.INTEL		Realtek	
		AX211	88-105-005248	WLAN CARD.AX211NGW.....PCI/USB(CNVIO2)..W/BLUETOOTH(V5.2),2T*2R.802.11a/b/g/n/ac/ax.#999MSJ.WI-FI 6E.ASPM..AX211.NGWG.NV...M.2(2230)..HF.LEAD-FREE.INTEL		INTEL	
7	LCD	14" FHD+/IPS	09-014-374001	LCD.WXGA.14.1920*1200.0.15708mm.....ANTI-GLARE TYPE.2061140QP8045001-55E.IPS.300nits,W/LED...HF.LEAD-FREE.STARRY		Starry	
		14" QHD+/IPS	09-014-372004	LCD.TFT.14.1920*1200.0.15708mm.....ANTI-GLARE TYPE.KD140N26-30NI-A002-A.IPS.300nits,W/LED...HF.LEAD-FREE.K&D		KD	
8	CCD	2M	88-123-003851	LCD.TFT.14.2560*1600.0.1179mm.....ANTI-GLARE TYPE.NE140QDM-N6A V1.2.IPS.300nits,W/LED...HF.LEAD-FREE.BOE		BOE	
		IR+RGB	88-123-002116	PC CAM MODULE.OYT-142F03..2M.....W/WHITE LED.....LEAD-FREE.OYT		OYT	
9	Battery	3S1P, 70Whr	13-212P600470	PC CAM MODULE.KADC873..2M.....W/WHITE LED.....HF.LEAD-FREE.KINGCOME		KINGCOME	
		3S1P, 55Whr	13-212-465552	BATTERY.LI.11.61V.LH4033-356000-P1P1.(DUTY PAID).6000mAh...W/CABLE(14P SMART,20mm).FRAME.....LEAD-FREE.POW-TECH		Pow-Tech	
10	Type C Adapter	65W	82-247-020150	BATTERY.LI.11.55V.SE40-354656-G1G1..4656mAh...W/O CABLE.FRAME.....LEAD-FREE.GANFENG		GANFENG	
		100W	82-247-020310	CHARGER.20V 65W 3.25A..PA-1650-58FD..USB 3.0 TYPE C.....LEAD-FREE.LITEON		LITEON	
11	Power Cord	EU (for 65W)	14-422-082213	CHARGER.20V 100W.5A..PA-1101-66..USB 3.0 TYPE C.....LEAD-FREE.LITEON		LITEON	
		US (for 65W)	14-412-080116	POWER CORD.H03VV-F MICKY 3P.(SP-023/IS-034)..2.5A.250V.BLACK.L800mm..EUR..R1,W/WARNING...LEAD-FREE.I-SHENG		I-SHENG	
12	Keyboard	UK W/BL(SLIVER)	82-382PXN4056	POWER CORD.SVT MICKY 3P.(SP-305/IS-034)..7A.125V.BLACK.L800mm..USA..R1,W/WARNING...LEAD-FREE.I-SHENG		I-SHENG	
		US (for 65W)	82-382PXN4004	K/B NB...(DUTY PAID)...K#8657.UP40ML.UK..W/WIN11 ICON..W/BL,COPILOT KEY.....LEAD-FREE.HS		HS	
13	Touchpad	Touch PAD(GRAY)	88-120P100301	K/B NB...(DUTY PAID)...K#8657.UP40ML.UK..W/WIN11 ICON..W/BL,COPILOT KEY.....LEAD-FREE.DOKING		DOKING	
		Touch PAD(SLIVER)	88-120P100300	TOUCHPAD MODULE.TP-99-9037G-XZHO1-00...V1.0.(DUTY PAID).....LEAD-FREE..DOKING		DOKING	
14	FingerPrint	w/power button(GRAY)	88-127-XN4000	TOUCHPAD MODULE.TP-99-9037G-XZHO0-00...V1.0.(DUTY PAID).....LEAD-FREE..DOKING		DOKING	
		w/power button(SLIVER)	88-127-XM8000	FINGER PRINTER MODULE.....#8653....TCC-2579-01.....LEAD-FREE.UP40M.LOMS		OMS	
15	Thermal	Heat Sink	88-127PXM8010	FINGER PRINTER MODULE.....(DUTY PAID)....#8657....XL-MOC01-V1.1.....LEAD-FREE.LH4033.XINLING		XINLING	
		FAN	20-370PXN4000	HEAT PIPE.(DUTY PAID)....15W.W/MYLAR,PASTE...UP40ML.....LEAD-FREE.KQY		KQY	
16	FFC Cable	LVDS (30pin) + RGB	20-370PXN4001	HEAT PIPE.(DUTY PAID)....28/45W.W/MYLAR,PASTE...UP40ML.....LEAD-FREE.KQY		KQY	
		USB (40pin)	13-050PXN4650	FAN SET...(DUTY PAID).70*68*6.3mm L82mm(4P)...W/CABLE...UP40ML...LEAD-FREE.WINMA		WINMA	
		LAN	14-213PXM8003	CABLE.LVDS.(DUTY PAID).....W/CCD FFC..LH4033.....LEAD-FREE.HONRY		NBH	
		TP	14-213PXM8002	CABLE.LVDS.(DUTY PAID).....W/CCD FFC..LH4033.....LEAD-FREE.NBH		Honry	
		FP	14-512PXM8000	CABLE.FFC./I/O BOARD.(DUTY PAID)..40P*2.....LH4033...HF.LEAD-FREE.HONRY		XQ	
			14-512PXM8001	CABLE.FFC./I/O BOARD.(DUTY PAID)..40P*2.....LH4033...HF.LEAD-FREE.QX		Honry	
			14-512PXM8021	CABLE.FFC./I/O BOARD.(DUTY PAID)..30P*2.....LH4033...HF.LEAD-FREE.QX		XQ	
			14-512PXM8020	CABLE.FFC./I/O BOARD.(DUTY PAID)..30P*2.....LH4033...HF.LEAD-FREE.HONRY		Honry	
17	Cable	Battery Cable	14-512PXM8030	CABLE.FFC.TP.(DUTY PAID)..6P*2.....LH4033...HF.LEAD-FREE.QX		XQ	
		2W, 4Ω	14-512PXM8031	CABLE.FFC.TP.(DUTY PAID)..6P*2.....LH4033...HF.LEAD-FREE.HONRY		Honry	
18	Speaker	Battery Cable	14-512PXM8010	CABLE.FFC.FP.(DUTY PAID)..8P*2.....LH4033...HF.LEAD-FREE.QX		XQ	
		2W, 4Ω	14-512PXM8011	CABLE.FFC.FP.(DUTY PAID)..8P*2.....LH4033...HF.LEAD-FREE.HONRY		Honry	
			14-212P004500	CABLE.BATTERY.(DUTY PAID).14P+16P...L23.5mm...WINDOWS.....LEAD-FREE(RoHS/HF).NBH		NBH	
			13-140PXM8460	SPEAKER SET...(DUTY PAID)..W/CABLE.SPONGE..LH4033...LEAD-FREE.IEC		IEC	