Parts List for Andromeda Front Panel Rev.5b

Capacitors:

19 pcs.	10nF,	50V	0805	C1-C18, C22
14 pcs.	100nF	50V	0805	C19, C20, C23, C26, C29, C31, C40- C47
7 pcs.	1uF	50V	0805	C21, C24, C33, C38, C48, C49, C50.
2 pcs.	1nF	50V	0805	C27, C28.
1 pcs.	0,47uF	25V	0805	C30
7 pcs.	10uF	16V	0805	C25, C32, C34, C39, C51, C52, C53.
1 pcs.	10uF C54	16V	El.Lyt	Panasonic PN: EEEFP1C100AR
2 pcs.	100uF C35, C36	16V	El.Lyt	Panasonic PN: EEEFT1C101AR
1 pcs.	47uF C37	25V	El.Lyt	Panasonic PN: EEEFT1E470AR

LEDS:

3 pcs.	Red LEDs D1, D2, D13	3mm	Everlight PN: 264-7SDRD/530-3A .
7 pcs.	Yelow LEDs D3, D6, D7, D9, D10, D11, D12.	3mm	Everlight PN: 264-7UYD/S530-A3
2 pcs.	Green LEDs D4, D5.	3mm	Everlight PN: 264-7SYGD/S530-E2

Diode.

1 pcs.	BAS16J D14	Diode	Size: SOD-323F

Encoders:

6 pcs.   EC11EBB24C03 Dual encoders. Man: ALPS. Farnell PN:EC11EBB24C03

ENC1, ENC3, ENC5, ENC7, ENC9, ENC11.

1 pcs.   PN:HRPG-ASCA#54F or 19F
ALT: NH3808-AB-400N, or: LPD38006-600BM-G5-24C or other Optical encoder on e-bay or Ali Express.

EENC 13 or 13A

Intergrated circuits:

1 pcs.   Arduino Nano Every
IC3

2 pcs.   **MCP23017-E/SO-ND**

           IC1, IC2.

1 pcs.   **LMZ22005TZ/NOPB**

           IC4

Transistors:

2 pcs.   **2N7002K-T/R**

           T1, T3.

1 pcs.   **FDD6685**

           T2

Display:

1 pcs.   **7 inch touch Display.**   **Man: Newhaven**
                                              PN: NHD-7.0-HDMI-HR-RSXP-CTU

Headers:

1 pcs.	Mike Connector J1	RJ45. Stewart PN: SS-7188V-A-NF-50 Mouser PN: 530-SS-7188V-A-NF Or Assman PN: A-2014-2-4-R DigiKey PN: AE 10392-ND And several other.
1 pcs.	USB-A Vertical. J3	CnC Tech. PN: 1002-021-01000 DigiKey PN: 1002-021-01000 Or Amphenol PN: P-UE27-AEX4-XOX Or CUI PN: UJ2-AV-TH Mouser PN: 490-UJ2-AV-1-TH
1 pcs.	USB-B Vertical J4	CUI PN: UJ2-BV-1-TH Mouser PN: 490-UJ2-BV-1-TH DigiKey PN: 102-4000-ND
2 pcs	3,5 m Stereo Jack J5, J6	Molex PN: 0472570001 DigiKey PN: WM17366-ND Mouser PN: 538-47257-0001
6 pcs.	Headers 1x2 J8, J9, J10, J14, J15 J16,	Molex PN: 22-23-2023 Mouser PN: 538-22-23-2023
3 pcs.	Headers 1x3 J12, J17, J18.	Molex PN: 38-00-6293 Mouser PN: 538-38-00-6293

1 pcs.	Header 1X4 J11	Molex PN: 22-23-2042 Mouser PN: 538-22-23-2042	
12 pcs.	Ferrite Beads L1-L12	Wurth Elektronik PN: 742792514 Mouser PN: 710-742792514 DigiKey PN: 732-1643-2-ND	
31 pcs.	Switches, SMD SW1-SW31	E-Switch PN: TL3301SPF260QG DigiKey PN: EG1870TR-ND Mouser PN: 612-TL3301SP-260	
31 pcs.	Switch Caps	E-Switch PN: 1CBLK (Black) or 1CDGR (dark gray) DigiKey PN: EG1181-ND (blk) or EG1182-ND Mouser PN: 612-1C-BK (black) or 612-1C-GR (dark gray)	
36 pcs	Resistors, 10K R2-R7, R10, R15-R43.	0805	
1 pcs.	Resistor 3K9 R1	0805	
1 pcs.	Resistor 470R R9	0805	
1 pcs.	Resistor 1K R11	0805	
1 pcs.	Resistor 180K R14	0805	
4 pcs.	Resistors 100K R12, R13, R44, R45.	0805	
12 pcs.	Resistors 1K5 R46-R57, R63.	0805	
2 pcs.	Resistors 2K2 R59, R60	0805	
1 pcs	Resistor 620R R61	0805	
1 pcs.	Resistor 3K3 R62	0805	
1 pcs.	Resistor 47R R64	0805	
1 pcs.	Resistor 100R R8	0805	