

General Notes: This BOM is for a single board. Most components become cheaper when you buy more of them. Some are even cheaper in lots of 10 than in single quantities.
The two options at the bottom of the list are for connecting the motherboards LED header to the A314. If you don't intend to use the new LED board, you don't need the cable.

Mfg. Part Number	Manufacturer	Supplier	Supplier Part Number	PCB Reference	Quantity	Unit Price	Extended Price	Description
BAT-HLD-001-THM	Linx Technologies Inc.	Digi-Key	BAT-HLD-001-THM-ND	BAT1	1	0,26	0,26 €	BATTERY RETAINER COIN PC PIN
CL10B104KO8NNNC	Samsung Electro-Mechanics	Digi-Key	1276-1005-1-ND	Decoupl. gen.	38	0,031	1,17 €	CAP CER 0.1UF 16V X7R 0603
CL21A226KQCLRNC	Samsung Electro-Mechanics	Digi-Key	1276-6687-1-ND	Decoupl. medium	8	0,17	1,36 €	CAP CER 22UF 6.3V X5R 0805
C2012X5R0J336M125AC	TDK Corporation	Digi-Key	445-5986-1-ND	Decoupl. FPGA	4	0,79	3,16 €	CAP CER 33UF 6.3V X5R 0805
?	Valcon	Toby.co.uk	VEC-127-080-R	CN1	1	0,69	0,69 €	1.27mm Pitch Right Angle Card Edge Connector
76342-320LF	Amphenol ICC (FCI)	Digi-Key	609-5996-ND	CN2	1	4,16	4,16 €	CONN RCPT 40POS 0.1 GOLD PCB
0530470510	Molex	Digi-Key	WM1734-ND	CN3, CN7	2	0,29	0,58 €	CONN HEADER VERT 5POS 1.25MM
171826-4	TE Connectivity AMP Connectors	Digi-Key	A112643-ND	CN4	1	0,56	0,56 €	CONN HEADER R/A 4POS 2.5MM
PH1RA-04-UA	Adam Tech	Digi-Key	2057-PH1RA-04-UA-ND	CN5, CN6	2	0,15	0,30 €	CONN HEADER R/A 4POS 2.54MM
RB715UMTL	Rohm Semiconductor	Digi-Key	846-RB715UMTLCT-ND	D1	1	0,20	0,20 €	RB715UM IS SCHOTTKY BARRIER DIOD
SN74CBT16244DGGR	Texas Instruments	Digi-Key	296-6399-1-ND	IC1, IC2, IC3	3	1,30	3,90 €	IC 16-BIT FET BUS SW 48-TSSOP
IS61WV102416DBLL-10TLI	ISSI, Integrated Silicon Solution Inc	Digi-Key	706-1541-ND	IC4	1	12,18	12,18 €	IC SRAM 16M PARALLEL 48TSOP I
10M08SCE144C8G	Intel	Digi-Key	544-3070-ND	IC5	1	15,90	15,90 €	IC FPGA 101 I/O 144EQFP
DS3231MZ/V+	Maxim Integrated	Digi-Key	DS3231MZ/V+-ND	IC6	1	6,88	6,88 €	IC RTC CLK/CALENDAR I2C 8-SOIC
TPS565208DDCR	Texas Instruments	Digi-Key	296-48755-1-ND	IC7	1	1,32	1,32 €	IC REG BUCK ADJ 5A TSOT23-6
NB3N502DG	ON Semiconductor	Digi-Key	NB3N502DGOS-ND	IC8	1	3,01	3,01 €	IC CLK MULTIPLIER PLL 8-SOIC
TPS73643DBVR	Texas Instruments	Digi-Key	296-17498-1-ND	IC9	1	1,42	1,42 €	IC REG LINEAR 4.3V 400MA SOT23-5
CAT24C512WI-GT3	ON Semiconductor	Digi-Key	CAT24C512WI-GT3OSCT-NIIC10		1	0,51	0,51 €	IC EEPROM 512K I2C 1MHZ 8SOIC
7440650022	Würth Elektronik	Digi-Key	732-1055-1-ND	L2	1	1,64	1,64 €	FIXED IND 2.2UH 6.2A 15 MOHM SMD
SSL-LX2573GD	Lumex Opto/Components Inc.	Digi-Key	67-1046-ND	LED1	1	0,37	0,37 €	LED GREEN DIFF RECT 2MMX5MM T/H
SSL-LX2573YD	Lumex Opto/Components Inc.	Digi-Key	67-1050-ND	LED2	1	0,43	0,43 €	LED YELLOW DIFF RECT 2MMX5MM T/H
SSL-LX2577IGW	Lumex Opto/Components Inc.	Digi-Key	67-1051-ND	LED34	1	0,54	0,54 €	LED GRN/RED DIFF RECT 2X5MM T/H
RMCF0603FT10K2	Stackpole Electronics Inc	Digi-Key	RMCF0603FT10K2CT-ND	R1	1	0,09	0,09 €	RES 10.2K OHM 1% 1/10W 0603
RMCF0603FT34K0	Stackpole Electronics Inc	Digi-Key	RMCF0603FT34K0CT-ND	R2	1	0,09	0,09 €	RES 34K OHM 1% 1/10W 0603
RMCF0603JT3K90	Stackpole Electronics Inc	Digi-Key	RMCF0603JT3K90CT-ND	R3,4,17,18,20,21	6	0,09	0,54 €	RES 3.9K OHM 5% 1/10W 0603
RMCF0603JT47R0	Stackpole Electronics Inc	Digi-Key	RMCF0603JT47R0CT-ND	R5	1	0,09	0,09 €	RES 47 OHM 5% 1/10W 0603
RMCF0603JT10K0	Stackpole Electronics Inc	Digi-Key	RMCF0603JT10K0CT-ND	R6,8,9,24,27	5	0,09	0,45 €	RES 10K OHM 5% 1/10W 0603
RMCF0603JT150R	Stackpole Electronics Inc	Digi-Key	RMCF0603JT150RCT-ND	R7,15,19,22	4	0,09	0,36 €	RES 150 OHM 5% 1/10W 0603
RMCF0603JT1K00	Stackpole Electronics Inc	Digi-Key	RMCF0603JT1K00CT-ND	R10, R16	2	0,09	0,18 €	RES 1K OHM 5% 1/10W 0603
RMCF0603JT4K70	Stackpole Electronics Inc	Digi-Key	RMCF0603JT4K70CT-ND	R23, R28	2	0,09	0,18 €	RES 4.7K OHM 5% 1/10W 0603
RMCF0603JT470R	Stackpole Electronics Inc	Digi-Key	RMCF0603JT470RCT-ND	R25, R26	2	0,09	0,18 €	RES 470 OHM 5% 1/10W 0603
EXB-V8V470JV	Panasonic Electronic Components	Digi-Key	Y4470CT-ND	R11,12,13,14	4	0,13	0,52 €	RES ARRAY 4 RES 47 OHM 1206
MMBT4403LT1G	ON Semiconductor	Digi-Key	MMBT4403LT1GOSCT-ND	T1, T4	2	0,13	0,26 €	TRANS PNP 40V 0.6A SOT23
MMBT4401LT1G	ON Semiconductor	Digi-Key	MMBT4401LT1GOSCT-ND	T2, T3	2	0,13	0,26 €	TRANS NPN 40V 0.6A SOT23
0151340501	Molex	Digi-Key	WM15261-ND	CBL1	1	3,31	3,31 €	PICOBLADE 5 CIRCUIT 100MM
					106		60,41 €	
Option A								
171822-4	TE Connectivity AMP Connectors	Digi-Key	A121828-ND	CBL2	1	0,25	0,25 €	CONN RECEPT HOUSING 4POS
170262-4	TE Connectivity AMP Connectors	Digi-Key	A100881CT-ND	CNP1,2,3,4	4	0,20	0,80 €	CONN SOCKET 20-26AWG CRIMP TIN
110990080	Sseed Technology Co., Ltd	Digi-Key	1597-1502-ND	CBL2, CBL3	1	3,13	3,13 €	4 PIN DUAL-FEMALE JUMPER WIRE 30 (x5)
Option B								
Floppy power cable assy.	?	eBay			1	4,00	4,00 €	May need adjustments. Buy at least 80mm long.