



Bill Of Materials for Hugin										Date: 2002-01-29
Document No:		41-EP 151 045	Rev: L		ET 151 061 P4					
Product No:		EP 151 045	Rev: P4A		33 - ET 151 061 D					
Document respons:		Kåre Lindkvist			Schematic Doc: 34 - ET 151 061 D					
Item	Reference	Qty	C. Tech Part no.	Description	Type	Value	Package	Manufacturer	Supplier	Remark
1	D607-608	2	EL 001 007	Dual Chip LED	12-22 SURSYGC/ S530-A2/TR8			Everlight	Egevo	
2	J300	1	EK 001 019	5 Pin Mini USB Connector	55671-0105T		SMD	FCI		
3	IC600	1	EI 001 051	Addressable 8 bit latch	74LV259 DB		SSOP16 (SOT338-1)	Philips		
4	U500	1	EE 001 003	Chip Antenna	AHD1403-244ST06	2490 MHz		Mitsubishi	MMC	
5	IC100	1	EA 151 003	Argus Asic	CT100A1-BG		FBGA160	C Technologies	C Technologies	
6	C317	0								Do not mount
7	C100, C102, C104, C111-114, C116, C120, C200-208, C315-316, C323, C500-503, C510, C513	27	EC 001 042	Capacitor, Ceramic	+80-20%, 10V, Y5V	100nF	0402	Avx		
8	C507	1	EC 001 044	Capacitor, Ceramic	+/-0.25%, 10V	4.7pF	0402	Avx		
9	C122-123 C508-509	4	EC 001 016	Capacitor, Ceramic	+/-5%, 50V, NP0	22pF	0402	Avx		
10	C218	1	EC001045	Capacitor, Ceramic	+/-10%, 16V, X7R	820pF	0402	Avx		
11	C311-312, C319, C324, C515	5	EC 002 053	Capacitor, Ceramic	+80-20%, 10V, Y5V	330nF	0603	Avx		
12	C119, C305-308, C318, C402, C410, C511-512	10	EC 004 002	Capacitor, Ceramic	+80-20%, 10V, Y5V	10uF/10V	1206	Avx		
13	H600	1	EH 050 002	Sound Generator	CHB-04D			Citizen		
14	D601-605	5	EL 001 005	Chip LED green	CL-220G-CT			Citizen		
15	J301	1	EK 001 020	2 pin straight header	440371-2			TYCO		
16	D300	1	EZ 001 010	Quad ESD transient voltage suppressor	DF5A6.8F		SOT23-5	Toshiba		

17	D301-303, D606	4	EZ 001 001	Double diode	DAN222	100mA	EM3 (SOT-323)	Rohm		
18	IC307	1	EI 001 059	High Precision Li-Ion Battery Monitor	DS2760AE-025		TSSOP-16	Dallas Semiconductor		
19	X500	1	EX 001 012	Crystal	DSX531S	13 MHz, 10ppm 12pF	SMD	KDS/Daishinko		
20	V303	1	EI 001 054	Dual P-Channel MOSFET	FDW2502P		TSSOP-8	Fairchild		
21	IC501	1	EI 001 033	Radio Chip	PBA 313 01/2S		BGA 34	Ericsson		
22	IC200	1	EM 001 021	SDRAM 64Mbit	K4S641632x		54pin TSOP II	SamSung		
23	IC201	1	EM 001 011	NAND Flash 8M x 8Bit	K9F6408U0A-TCB0		TSOP44 (40) II	SamSung		
24	IC300	1	EG 001 021	Linear Regulator, 500mA	MAX1792EUA33	3.3V Output	uMAX	Maxim		
25	IC305	1	EG 001 025	Lithium-ion charger	MAX1811ESA	500mA	SO8	Maxim		
26	IC500	1	EA 151 005	Baseband CPU for Bluetooth	CT101A0-TQ		QFP12-48 Pin	C Technologies		
27	R321-322, R409-410	4	ER 001 001	Resistor		0 ohm	0402	Koa		
28										Intentionally left blank
29	R121	1	ER 001 122	Resistor	1%, 0.063W	1.0M	0402	Koa		
30	R304, R308, R312, R320, R326, R405, R610	7	ER 001 074	Resistor	1%, 0.063W	10k	0402	Koa		
31	R509, R600	2	ER 001 002	Resistor	1%, 0.063W	10 ohm	0402	Koa		
32	R104-105	2	ER 001 012	Resistor	1%, 0.063W	27 ohm	0402	Koa		
33	R307	1	ER 001 090	Resistor	1%, 0.063W	47k	0402	Koa		
34	R100, R110-111, R200-201, R300, R313, R315, R327-329, R400-403, R507, R611	17	ER 001 098	Resistor	1%, 0.063W	100k	0402	Koa		
35	R301, R314, R319	3	ER 001 102	Resistor	1%, 0.063W	150k	0402	Koa		
36	R318, R330	2	ER 001 030	Resistor	1%, 0.063W	150 ohm	0402	Koa		
37	R119, R500	2	ER 001 054	Resistor	1%, 0.063W	1.5k	0402	Koa		
38	R601-605, R607-609, R612, R325	10	ER 001 040	Resistor	1%, 0.063W	390 ohm	0402	Koa		
39	R311	1	ER 001 062	Resistor	1%, 0.063W	3.3k	0402	Koa		
40	R306, R324, R331	3	ER 001 114	Resistor	1%, 0.063W	470k	0402	Koa		
41	R411-412	2	ER 002 030	Resistor	1%, 0.1W	15 ohm	0603	Koa		

42	IC306	1	EI 001 052	Voltage detector	S-80931ANMP-DDV-T2		SOT23-5	Seiko Instruments		
43	J400	1	EK 028 007	24 pins ZIF Connector	2-440468-4		SMD	AMPT/TCO		Bottom contact
44	S301	1	EW 001 014	Tact Switch	SKQLLB		SMD	Alps		
45	S300	1	EW 001 011	TACT Switch	SKQTLA		SMD	Alps		
46	V400	1	EI 001 047	P-Channel MOSFET Transistor	TP0101TS		SOT23	Temic		
47	V601	1	EI 001 013	NPN transistor	BC847BW	100mA	SOT323	Philips		
48	V302	1	EI 001 014	PNP Transistor	BC857BW	100mA	SOT323	Philips		
49	V600	1	EI 001 007	Digital transistor	DTB143EK-T146		SOT23	Rohm		
50	IC302	1	EG 001 026	LDO Regulator	XC6204B252M	2.5V/150mA	SOT23-5	Torex		
51	IC301	1	EG 001 027	LDO Regulator	XC6204B282M	2.8V/150mA	SOT23-5	Torex		
52	X100	1	EX 001 014	Crystal	XL-2A	12MHz, 50ppm, 16pF	SMD	Seiwa		
53	C309-310	0								Do not mount
54	C320-322	0								Do not mount
55	IC308	1	EG 001 030	LDO Regulator	XC6204B332M	3.3V/150mA	SOT23-5	Torex		
56	C101, C103, C105-C108	0								Do not mount
57	C300	0								Do not mount
58	R112-113	0								Do not mount
59	C304, C314	0								Do not mount
	Total numbers of components	144								

Greyed components are new or changed compared to previous revision

The following components have been added, removed or changed, compared to previous revision:

Item	Ref	Action
60	IC308	Removed alternative EG 001 031