

Specification card of materials for

NAVIGATOR-2

Date: 20.4.2007

Part	Nb	Value (in accordance with the diagram)	Ref (hodnota - popis)	Název CZ	Designation AN
1	1	BATT1	+3,6V	Baterie RTC	header
2	1	BR1	PWR-5V	konekt HEBL21	connector
3	1	BR2	PWR-12V	konekt HEBL21	connector
4	1	BR3	BT-10809-2	konekt HEBL21	connector
5	1	BR4	BT-10809-1	konekt HEBL21	connector
6	1	BR5	SWITCH	konekt HEBL21	connector
7	1	BR6	NAVI-1	konekt HEBL21	connector
8	1	BR7	DCF77	konekt HEBL21	connector
9	1	BR8	ISP	konekt HEBL21	connector
10	2	BR9, BR10	MINI-DIN	konekt IRC R-D	connector
11	19	C1, C4, C5, C7, C8, C9, C10, C13, C14, C15, C17, C20, C22, C26, C27, C28, C29, C30, C31	M1	Ker-63V	capacitor
12	7	C2, C16, C21, C23, C24, C25, C33	10M	Elyt-rad-63V	capacitor
13	1	C3	100 M	Elyt-rad-63V	capacitor
14	12	R4, C6, R7, R8, R9, R10, R14, R15, R16, R17, R18, C19	10k	Rez. min 0,4W	resistance
15	4	C11, C12, C34, C35	33 pF	Ker-500V	capacitor
16	1	C18	1M	Ker-63V	capacitor
17	1	C32	CT	Trimr kapacitní	capacitor
18	1	D1	1N4002	Ochrana	diode
19	3	D2, D3, D4	1N4148	Napájení	diode
20	2	F1, F2	POJISTKA	Pouzdro	fuse
21	4	J1, J2, J3, J6	JUMPER		jumper
22	5	J4, J5, J7, J8, J9	RST		jumper
23	11	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11	HD-A554RD	7-sg LED zobr. výška 14,2 mm	LED LED LED
24	1	P1	COMx- PC	COM1 female	connector
25	1	Q1	JFET P	Tranzistor FET	transistor
26	1	Q2	JFET P	Tranzistor FET	transistor
27	1	RN1	8x10k/SIP	Rez.sít' 8x5k6	resistance
28	2	R1, R2	100j	Rez. min 0,4W	resistance
29	1	R3	1k (*)	Rez. min 0,4W	resistance
30	1	R5	22k	Rez. min 0,4W	resistance
31	1	R6	20k	Rez. min 0,4W	resistance
32	1	R11	100k	Rez. min 0,4W	resistance

33	1	R12	1k	Rez.min 0,4W	resistance
34	1	R13	10 (*) k	Rez.min 0,4W	resistance
35	6	SW1,SW2,SW3,SW4,SW5,SW6	DIPSOC-4x2	Ovládací tl.	buttons of control
36	1	S1	MAN. RESET	Ovládací tl.	button of reset
37	8	U1,U2,U3,U5,U6,U7,U17,U18	PIN	Objímky pro IO	header
38	1	U4	UA7805/TO	Stab. +5V	stabilizer 12V / 5 V
39	1	U8	AT89S8252	MCU	MCU reader
40	2	U12,U9	M5451	Ovladač LED	chip
41	1	U10	TL7705A_0	Obvod RST	chip
42	1	U11	MAX232	Port COM	chip
43	1	U13	PCF8573	RTC	chip
44	1	U14	AT90S1200	MCU snímač	MCU sensor
45	1	U15	sn74hc14	Log.obvody	chip
46	1	U16	CD74HC157	Log.obvody	chip
47	1	Y1	24,000 MHz	krystal	quartz
48	1	Y2	32,768kHz	krystal	quartz
49	1	Y3	12 MHz	krystal	quartz
50	1	LCD typ BATRON, 1 x 8 znaků	BT 10809	LCD	LCD
51	1	Sřínka plastová		NAVIGATOR-2	