

Company: JTA Design		Ver: 1	Code:	Parts list: Valotusajastin	Original by: JTA 28.8.2008 Updated by:
ITEM	REFERENCE	QTY	CODE	DESCRIPTION	MANUFACTURER / SUPPLIER
1	B1	1		16.000 MHz CRYSTAL CL=30 pF HC49	
7	C9-10	2	ELFA: 65-751-04	CER CAPACITOR 33p 5% 50V NP0 0603	
5	C4-7 C12-13	6	ELFA: 65-759-63	CER CAPACITOR 100n 20% 16V X7R 0603	
4	C2-3	2	ELFA: 65-776-88	CER CAPACITOR 100n 20% 50V X7R 1206	
3	C11	1	ELFA: 65-834-21	CER CAPACITOR 10u 20% 6.3V X7R/X5R 1206	
6	C8	1		POSCAP 330U 6.3V 20% 105C D-CASE	SANYO: 6TPD330M
2	C1	1	ELFA: 67-187-87	TH EL. CAP 1000µ 50V 20% 105C 16x31.5 R7.5	ELNA: RJH-50V102MJ7G
8	D1	1		PIC16F870 8BIT 20MHz MCU 2K FLASH 128B RAM SSOP28	MICROCHIP: PIC16F870-I/SS
9	D2	1		MAX7219 7SEG LED DISPLAY DRIVER 8 DIGITS DIP24	MAXIM: MAX7219CNG
10	F1-3	3		TH PCB FUSE HOLDER	
11	KR1-9	9		3MM KOROKETAPPI 10mm	
12	L1	1		SMD POWER INDUCTOR 47uH 1.6A DO3316	COILCRAFT: DO3316P-473
13	N1	1		SIMPLE SWITCHER 150kHz STEP-DOWN HIGHVOLTAGE REG 5V 1A TO263-7	NSC: LM2590HVS-5.0
15	R17-26	10	ELFA: 60-445-49	RESISTOR 100R 1% 100PPM 50V 63mW 0603	
17	R7-16	10	ELFA: 60-447-88	RESISTOR 1k0 1% 100PPM 50V 63mW 0603	
14	R1-5 R27-28	7	ELFA: 60-450-25	RESISTOR 10k 1% 100PPM 50V 63mW 0603	
16	R6	1	ELFA: 60-455-04	RESISTOR 1M0 1% 100PPM 50V 63mW 0603	
18	S1-2	2		TH RELAY SPDT 10A 6V	TAKAMISAWA: VS6TBN-E
19	S3	1		KEYPAD SALORA CHASSIS F	
20	T1	1		PCB TRANSFORMER 24V	
21	V1	1	ELFA: 70-088-08	DF01S 100V 1A Single Phase SMD Rectifier Bridge	
22	V17	1		7SEG DISPLAY RED FND357	FND357
23	V18-21	4		7SEG DISPLAY 10MM GREEN TG358	
24	V2	1	ELFA: 70-217-36	10BQ060 SCHOTTKY RECTIFIER 60V 1A SMB (DO-214AA)	IR: 10BQ060
25	V3-4	2		1N4007 DIODE 1000V 1A DO-41	ONSEMI: 1N4007
26	V5-6	2	ELFA: 71-096-55	FET FDN337N N-CH 30V 2.2A 0.082R SOT-23	FAIRCHILD: FDN337
27	V7-16	10	ELFA: 70-300-75	DIODE DUAL BAV99 75V 215mA SOT23	
28	X1	1		TERMINAL BLOCK PHOENIX 2 PIN MKDSN 2,5/2-G-5,08	PHOENIX CONTACT: MKDSN 1,5/2-G-5,08
29	X2	1		PINHEADER 5 PITCH 2.54	
30	X3	1		TERMINAL BLOCK PHOENIX 4 PIN MKDSN 2,5/4-G-5,08	PHOENIX CONTACT: MKDSN 2,5/4-G-5,08
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