

ORD-3

Giling Computer Applications

Spaxbooster and DDX Booster

Revised: March 2, 2012

Revision: 1.2

Qty	Ref	Part	Order nr	Supplier
1	R1	2.2 KOhm ¼ Watt (680 Ohm for USB-RS232 cables)		
2	R2,R3	1.8 KOhm ¼ Watt		
1	R4	330 KOhm ¼ Watt		
1	R5	0.33 Ohm 5 Watt	5W AXIAL 0,33	Reichelt
1	R6	10 KOhm ¼ Watt		
3	R8,R9,R12	330 Ohm ¼ Watt		
1	R10	100 Ohm 2 Watt	2W DRAHT 100	Reichelt
1	R11	470 Ohm ¼ Watt		
1	R13	1 KOhm ¼ Watt		
1	R14	1.2 KOhm ¼ Watt 1% metalfilm		
1	R15	680 Ohm ¼ Watt 1% metalfilm		
1	R16	560 Ohm ¼ Watt 1% metalfilm		
1	C1	220 nF MKT	MKS-2 220N	Reichelt
2	C2,C3	15-33 nF MKT	MKS-2 15N	Reichelt
1	C4	ELCO 100 uF 35V radial	RAD 100/35	Reichelt
1	C5	ELCO 1000 uF 25V radial	RAD 1000/25	Reichelt
2	C6,C10	ELCO 10 uF 16V radial	RAD 10/16	Reichelt
2	C9,C11	ELCO 4.700uF 35V	RAD 4.700/35	Reichelt
1	C12	100 nF ceramic	KERKO 100n	Reichelt
1	C13	100 nF MKT	MKS-4 100N	Reichelt
1	C14	ELCO 100uF 16V radial	RAD 100/16	Reichelt
1	D1	Schottky diode	1N5822 OR SB330	Reichelt
1	D2	DIODE 1N4148	1N4148	Reichelt
2	LED1,LED3	LED 3mm green	LED B-3 GN	Reichelt
1	LED2	LED 3mm red	LED B-3 RT	Reichelt
1	VR1	5 V regulator	7805 TO220	Reichelt
1	VR2	12V regulator	LM2576T-12	Reichelt
1	U1	Power IC	L6203	Reichelt
1	U2	PIC12F675 + socket	PIC 12F675-I/P	Reichelt
2	U3,U4	6N137 + socket	6N137	Reichelt
1	U5	Single Opto-coupler	PC817	Reichelt
1	J1	Connector	AKL230-04+AKL249-04	Reichelt
3	St1,St2,St3	RJ12 connector	MEBP 6-6s	Reichelt
1	JP1	3 pin header with jumper		
1	SW2	dip switch 2-pole		
1	GR1	BRIDGE 6Amp	KBU6A	Reichelt
1	L1	INDUCTOR 100 uH	FED 100u	Reichelt
1	F1	FUSE 1,85 Amp	PFRA185	Reichelt
1		Cooling	V PR127/94-M3	Reichelt
4		Clips	MC725	Reichelt
3		Screws	M3x8	
4		Mounting supports	DA4-10mm	Reichelt
4		Screws	M4x8	
1		PCBoard ORD-3		
1		Cable RJ12 + SubD9 female		

Important !!!!!

For Power IC and Regulators:

First mount cooling device with screws, then insert IC and regulators, bending wires so that they are flat to cooling, then fix clamps to hold IC's and after that solder IC's.