

ORD-3_v2 Giling Computer Applications

Spax / DDX / DCC232 Booster

Revised: Aug 14 2014
Revision: 2.0

Qty	Ref	Part	Order nr
1		PCBoard ORD-3	
1	R1	Resistor 1 KOhm ¼ Watt	
1	R2	Resistor 3.3 KOhm ¼ Watt	
1	R3	Resistor 1 Kohm ¼ Watt	
1	R4	Resistor 220 KOhm ¼ Watt	
1	R5	Resistor 0.33 Ohm 5 Watt	5W AXIAL 0,33
1	R6	Resistor 10 KOhm ¼ Watt	
1	R8	Resistor 150 Ohm ¼ Watt	
1	R9	Resistor 330 Ohm ¼ Watt	
1	R10	Resistor 100 Ohm 2 Watt	2W DRAHT 100
1	R11	Resistor 10 KOhm ¼ Watt	
1	R13	Resistor 330 Ohm 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
2	C2,C3	15 nF MKT	MKS-2 15N
1	C4	ELCO 100 uF 35V radial	RAD 100/35
1	C5	ELCO 1000 uF 25V radial	RAD 1000/25
2	C6,C10	ELCO 10 uF 16V radial	RAD 10/16
2	C9,C11	ELCO 4.700uF 35V	RAD 4.700/35
3	C12, C14, C15	100 nF ceramic 2,5 mm	KERKO 100n
1	C13	100 nF MKT 7,5 mm	MKS-4 100N
1	D1	Schottky diode	1N5822 OR SB330
1	D2	Diode	N4148
2	LED1,LED3	LED 3mm green	LED B-3 GN
1	LED2	LED 3mm red	LED B-3 RT
1	SW1	dip switch 3-pole	
1	U2	socket Dil8	
1	U3	socket Dil8	
1	U4	socket Dil14	
1	U5	Opto-coupler	PC817
1	J1	Connector	AKL230-04+AKL249-04
3	St1,St2,St3	RJ12 connector	MEBP 6-6s
1	F1	FUSE 1,85 Amp	PFRA185
1	*) *) *)	Cooling	V PR127/94-M3
3	*) *) *)	Screws	M3x8
1	VR1 *) *) *)	5 V regulator	7805 TO220
1	VR2 *) *) *)	12V regulator	LM2576T-12
1	U1 *) *) *)	Power IC	L6203
1	GR1 *) *) *)	BRIDGE 6Amp	KBU6A
4		Clips	MC725
1	U2	PIC12F675	
1	U3	6N137	
1	U4	CD4011	
4		Mounting supports	DA4-10mm
4		Screws	M4x8
1		Connector cpl	SubD 9 male.
1	RS232 *)))	Female d-connector	D-Sub BU 09EU
1	L1	INDUCTOR 100 uH	FED 100u
1		Cable RJ12	
1		Cable RS232	

***) *) *)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.

Assemble all parts in order of this list.

Insert IC's in sockets last.

***))) could be replaced by DB9-USB-F for direct USB connection**