



The reverse polarity protection relies on fuse in the powerline.  
 When power polarity is applied incorrect, the diode D7 will draw max. current and the fuse will break.  
 The max. reverse voltage the circuit will see would be -0.7V, which should do no harm.  
 But it is better to always check polarity before applying power !!!

The series resistors are for protection of your precious CBM equipment and PIC.

DO NOT PLACE !!

Optional: required only when using an external AC power adapter.

Place R39 OR R4 depending on the required voltage.

PCDB544	CHAR		
GROUND	VSS	1	Vss
VDD	VDD	2	Vdd
n.c.	CONTR.	3	V0
RES	RS	4	RS
n.c.	VSS	5	R/W
n.c.	E	6	E
n.c.	DB0	7	DB0
n.c.	DB1	8	DB1
n.c.	DB2	9	DB2
n.c.	DB3	10	DB3
D/C	DB4	11	DB4
SCE	DB5	12	DB5
SCK	DB6	13	DB6
SDIN	DB7	14	DB7
	Anode_LED	15	R7
	Kathode_LED	16	?

Optional: display/expansion connector, soldered directly

Serial port is used for firmware upgrades only. So this will save you the cost of a microchip programming device.

Title 1541-III development board		
Size A3	Number	Rev v1.0
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