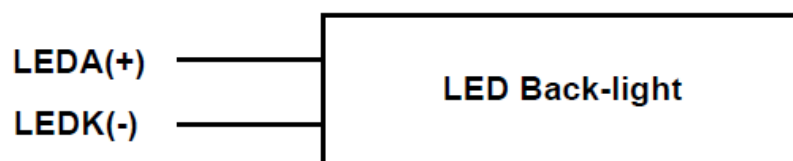
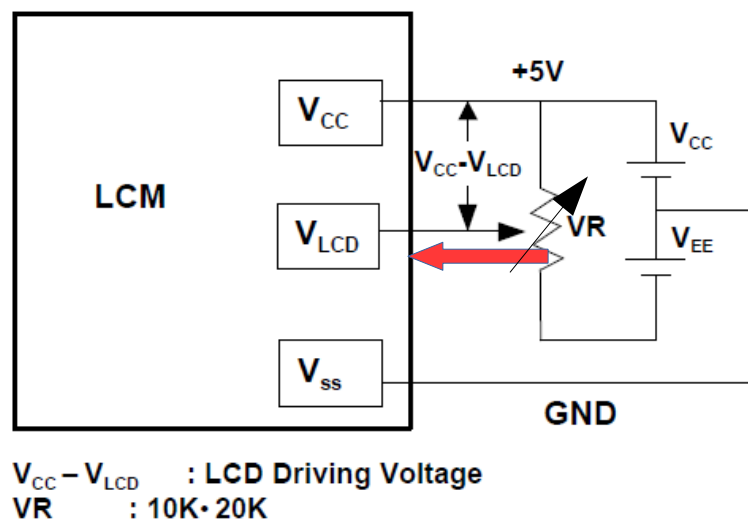


Connection of DataVision DG-24064-50 S2MBLY-H display to Arduino boards

Display pin nr.	Display pin name	Arduino Mega pin nr.	Arduino Mini Pro pin nr.
1	D1	22	8
2	FLM / D0	23	9
3	M	24	10
4	LP / LOAD	25	11
5	CP / CLOCK	26	12
6	D2	27	13
7	V _{CC}	+5V	
8	V _{SS}	0V	
9	V _{EE}	-5V	
10	V _{ADJ}	(see diagram below)	
	LEDA	31	6
	LEDK	0V	

This picture from the manual of *similar* display shows how to connect power lines. The actual display does not have voltage regulator, so arrow from resistor should go to the V_{ADJ}. Instead of variable resistor you can use voltage regulated scheme.



Initialization

```
cli();  
// 168 and 328 Arduinos  
#if defined(__AVR_ATmega168__) || defined(__AVR_ATmega168P__) || defined(__AVR_ATmega328P__)  
    initLCDPorts(9, 8, 13, 10, 11, 12);  
// Mega 1280 & 2560  
#elif defined(__AVR_ATmega1280__) || defined(__AVR_ATmega2560__)  
    initLCDPorts(23, 22, 27, 24, 25, 26);  
#endif  
sei();  
clearVRAM();
```

Drawing procedures affect only video memory, which is transferred to (shown on) the display by AVR Timer1 overflow interrupt.