

# Learning Arduino: Interfacing with Hardware

with Zahraa Khalil

Pin Number	Symbol	Function
1	VSS(GND)	Ground connection
2	VDD	Power supply
3	V0	Display pin (contrast adjustment)
4	RS	Register selection pin
5	R/W	Read/write pin 0 (L): Write mode 1 (H): Read mode
6	E	An enable signal (operation enable signal for read and write)
7	D0	8 data pins (D0–D7) Data bit pins The states of these pins (high or low) are the bits that you’re writing to a register when you write, or the values you’re reading when you read.
8	D1	
9	D2	
10	D3	
11	D4	
12	D5	
13	D6	
14	D7	
15	A	Power supply for backlight (anode)
16	K	Ground for backlight (cathode)