

```
//For use with the PCF8574 or PCF8574A chips.
```

```
#include <Wire.h>
```

```
#include <LiquidCrystal_I2C.h>
```

```
LiquidCrystal_I2C lcd1(0x27,2,1,0,4,5,6,7,3,POSITIVE);
```

```
// 0x27 , 2 , 1 , 0 , 4 , 5 , 6 , 7 , 3 , POSITIVE
```

```
//I2C address,En,Rw,Rs,D4,D5,D6,D7,Backlight,B'light control
```

```
void setup() {
```

```
lcd1.begin(16,2);
```

```
}
```

```
void loop() {
```

```
lcd1.setBacklight(HIGH);
```

```
lcd1.home();
```

```
lcd1.print("Hello world");
```

```
delay(1000);
```

```
lcd1.setCursor(0,1);
```

```
lcd1.print("How's it going?");
```

```
delay(2000);
```

```
lcd1.clear();
```

```
lcd1.setBacklight(LOW);
```

```
delay(1000);
```

```
}
```



// The I2C address is in hexa-decimal (0x??) and depending on the module type the address could be 0x27, or 0x3F. It can also be changed by linking the jumpers on the I2C module itself to enable the one I2C chain to control up to 8 individual LCD modules.

	A0	A1	A2
0x27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0x26	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0x25	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0x24	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0x23	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0x22	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0x21	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0x20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

	A0	A1	A2
0x3F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0x3E	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0x3D	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0x3C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0x3B	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0x3A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0x39	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0x38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>