



Minicurso de Arduino

Aula 06

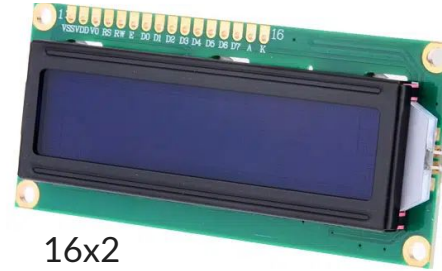


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Display LCD 16x2

- HD44780;
- 16 colunas por 2 linhas;
- 32 caracteres simultaneamente;
- Opera em 5V
- Arduino, Raspberry Pi e PIC;



16x2

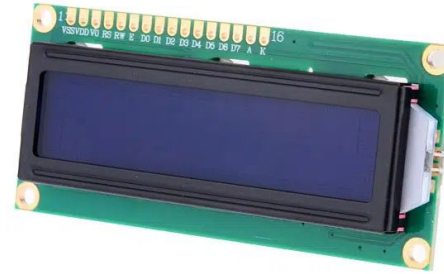


16x4



Display LCD 16x2

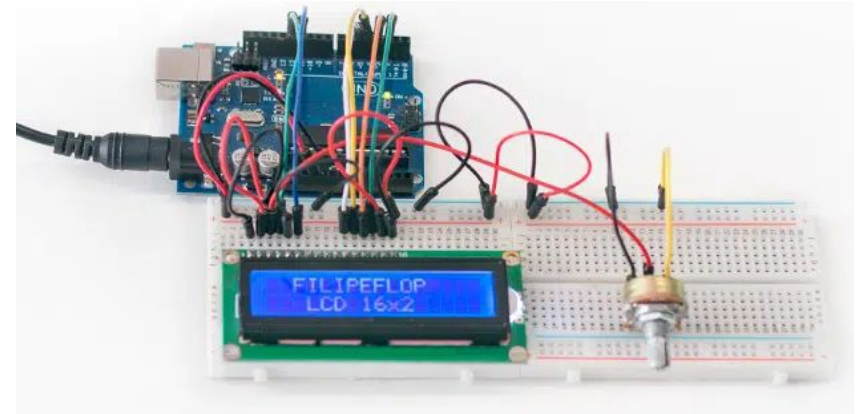
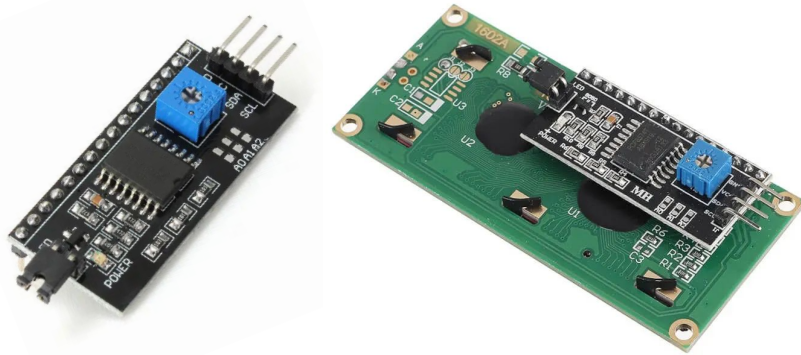
- Datasheet
 - Datasheet
- Biblioteca
 - LiquidCrystal
 - LiquidCrystal I2C



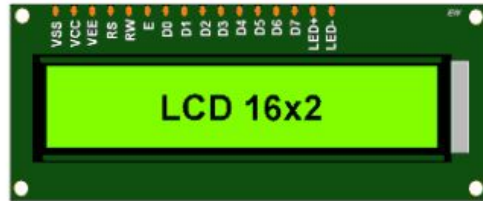
Display LCD 16x2

- I2C

- 16 Pinos



Prática Display LCD 16x2



No.	PIN	Function
1	VSS	Ground
2	VCC	+5 Volt
3	VEE	Contrast control 0 Volt: High contrast.

No.	PIN	Function
4	RS	Register Select 0: Command Reg. 1: Data Reg.
5	RW	Read / write 0: Write 1: Read
6	E	Enable H-L pulse
7-14	D0 - D7	Data Pins D7: Busy Flag Pin
15	LED+	+5 Volt
16	LED-	Ground

EW

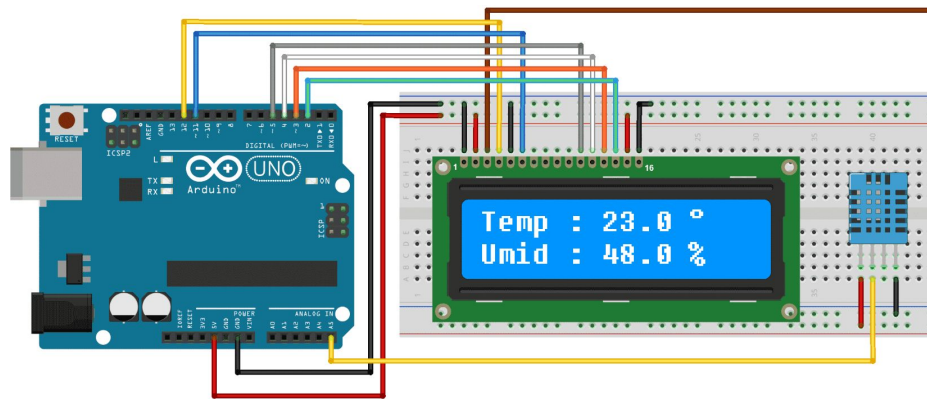


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Prática Display LCD com DHT11

Integre o código dessa aula com o da aula passada e imprima a leitura do sensor na tela LCD



Projetos Expose

- Sistema de Irrigação Automática
- Detector de Objetos com Sensor Ultrassônico
- Carrinho Controlado por Bluetooth
- Genius
- Jogo da Memória

