

RegPuis

LM2596 DC-DC Module

Vin + Vout+ 4 AlimPuisanceLED

Vin - Vout - 3

GND

RegComande

LM2596 DC-DC Module

Vin + Vout+ 4 AlimArduino

Vin - Vout - 3

GND

Regulateur Comande

The diagram shows four electrical connections for the CossePLeD+ and CosseHP4 modules. The connections are as follows:

- Connection 1:** A red line labeled *AlimPuisanceLED* connects to the top terminal (marked with a '2') of the **CossePLeD+** module.
- Connection 2:** A red line labeled **CossePLeD-** connects to the bottom terminal (marked with a '2') of the **CossePLeD+** module, which is then connected to a ground symbol labeled **GND**.
- Connection 3:** A red line labeled *AlimHP* connects to the top terminal (marked with a '2') of the **CosseHP4** module.
- Connection 4:** A red line labeled **CosseHP-** connects to the bottom terminal (marked with a '2') of the **CosseHP4** module, which is then connected to a ground symbol labeled **GND**.

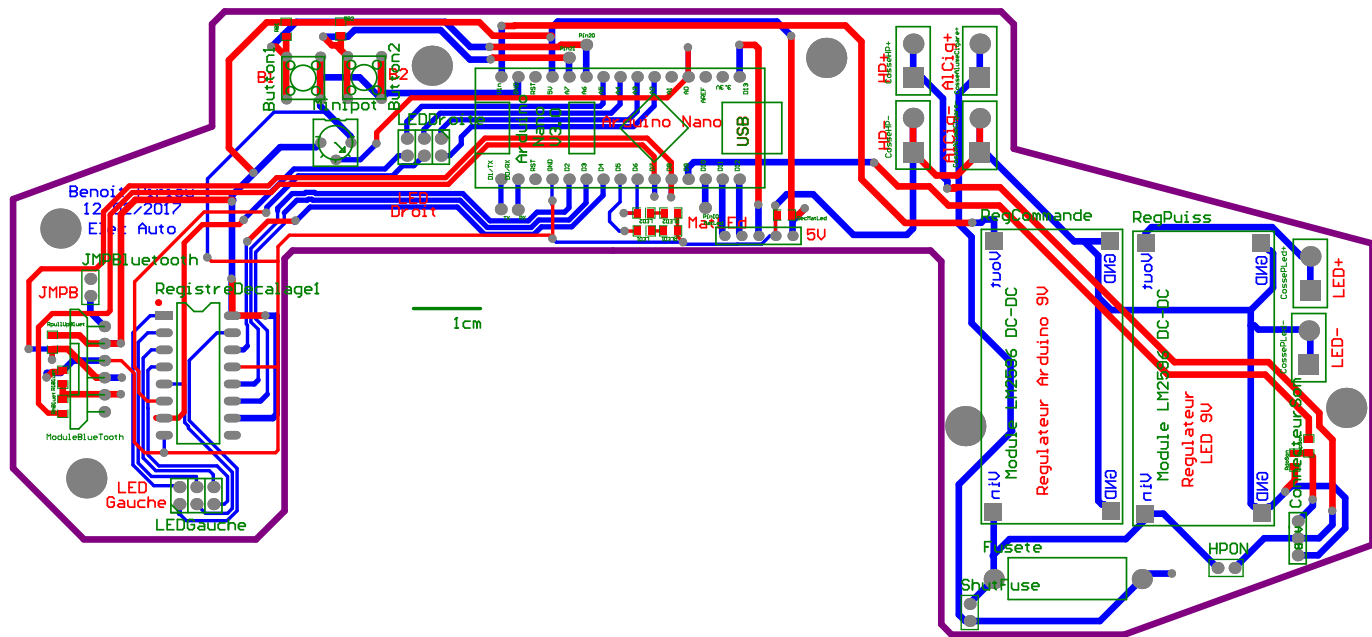
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Pin connections for the CoMatLed module:

- Pin 1: 5V
- Pin 2: GND
- Pin 3: MatLedDIN
- Pin 4: MatLedCS
- Pin 5: MatLedCLK

A 5V decoupling capacitor (100nF) is connected between pin 1 and GND.

Title		
Size A4	Number	Revision
Date:	11/02/2017	Sheet of
File:	D:\Benoit Piriou\Gyrophare-CarteDeCommandeSchDoc	



Comment	Description	Designator	Footprint	LibRef	Quantity
Arduino Nano		ArduinoNanoV3	Arduino Nano FootPrint	Arduino Nano	1
SwitchButton		Button1, Button2	SwitchMedium	SwitchButton	2
JUMPER3	cavalier 2 positions	ConnecteurSon	JMP3-100	JUMPER3	1
CosseAlumeCigare+	connecteur alim 2 pôles	CosseAlumeCigare+, CosseAlumeCigare-	POWER2	POWER2	2
comment	connecteur alim 2 pôles	CosseHP+, CosseHP-, CossePLed+, CossePLed-	POWER2	POWER2	4
CAP	capacité non polarisée	DecMatLed	0805	CAP	1
fuse		Fusete	FUSE	Fuse	1
JUMPER2	cavalier 1 position	HPON, ShutFuse	JMP2-100	JUMPER2	2
JMP2	cavalier 1 position	JMPBluetooth	JMP2-100	JUMPER2	1
Orange	LED 5mm/3mm/CMS	LED1	LED0805	LED	1
Verte	LED 5mm/3mm/CMS	LED2	LED0805	LED	1
Co-Dip6		LEDDroite, LEDGauche	DIP6	Co-Dip6	2
CoMatLed		MatLed	ADAPTATEURDIP5	DipAdapt5	1
Vol		Minipot	MiniTrimer	MiniPotentiometre	1
HC-05		ModuleBlueTooth	HC-05 Droit	HC-05	1
PIN		Pin10, Pin20, Pin21, RX, TX	TESTPOINT	PIN	5
RES	resistance	RB1, RB2, RdoSon, RhBluet, RIBluet, RLED1, RLED2, RpullUpBluet, RupSon	0805	RES	9
Regulateur Commande		RegCommande	Module LM2596 DC-DC	Component_1	1
Registreadecalage		RegistreDecalage1	74HC595	74HC595	1
Regulateur Puissant		RegPuiss	Module LM2596 DC-DC	Component_1	1