

Conn\_Batt

Vin: 18~25V (LiPo 6S)

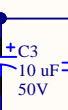
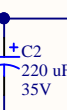
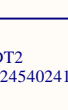
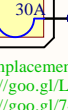
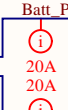
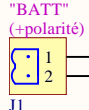
Etage d'Entrée

option de souder les câbles directement

support fusible+fusible F1

protection inv. polarité Surtension

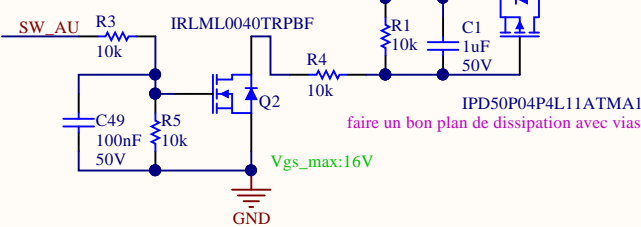
Banque capacitive



en bord de carte (10mm max) pour compatibilité avec 691313510002

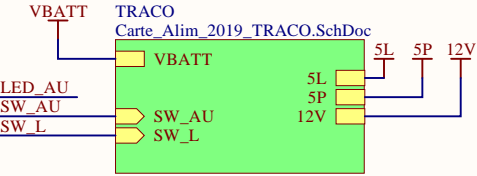
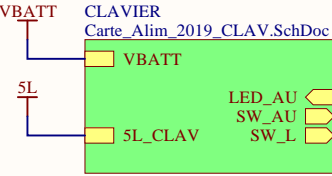
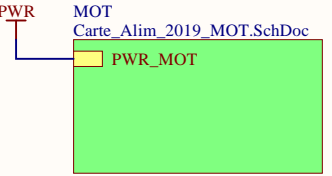
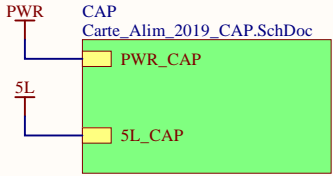
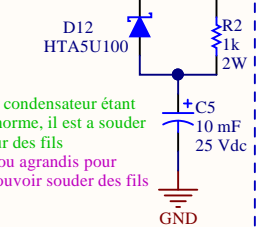
SW\_PWR

commutation de l'alimentation des moteurs Mosfet P, signal de commande: ON: high

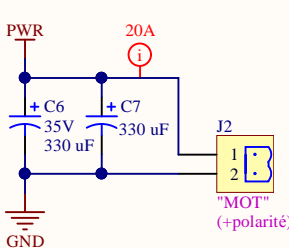


Capa

reserve pour les moteurs

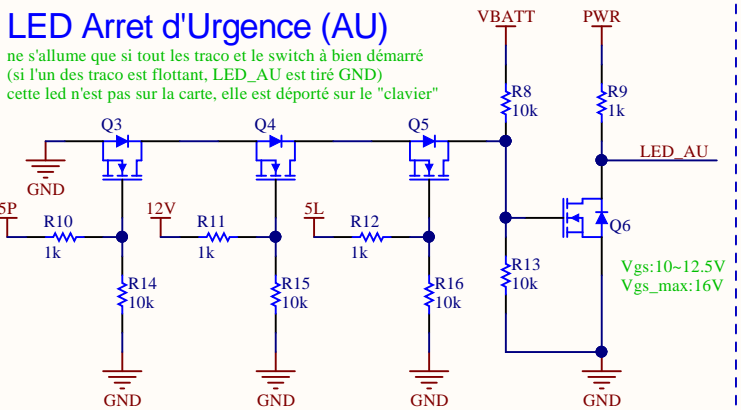


Conn\_Mot

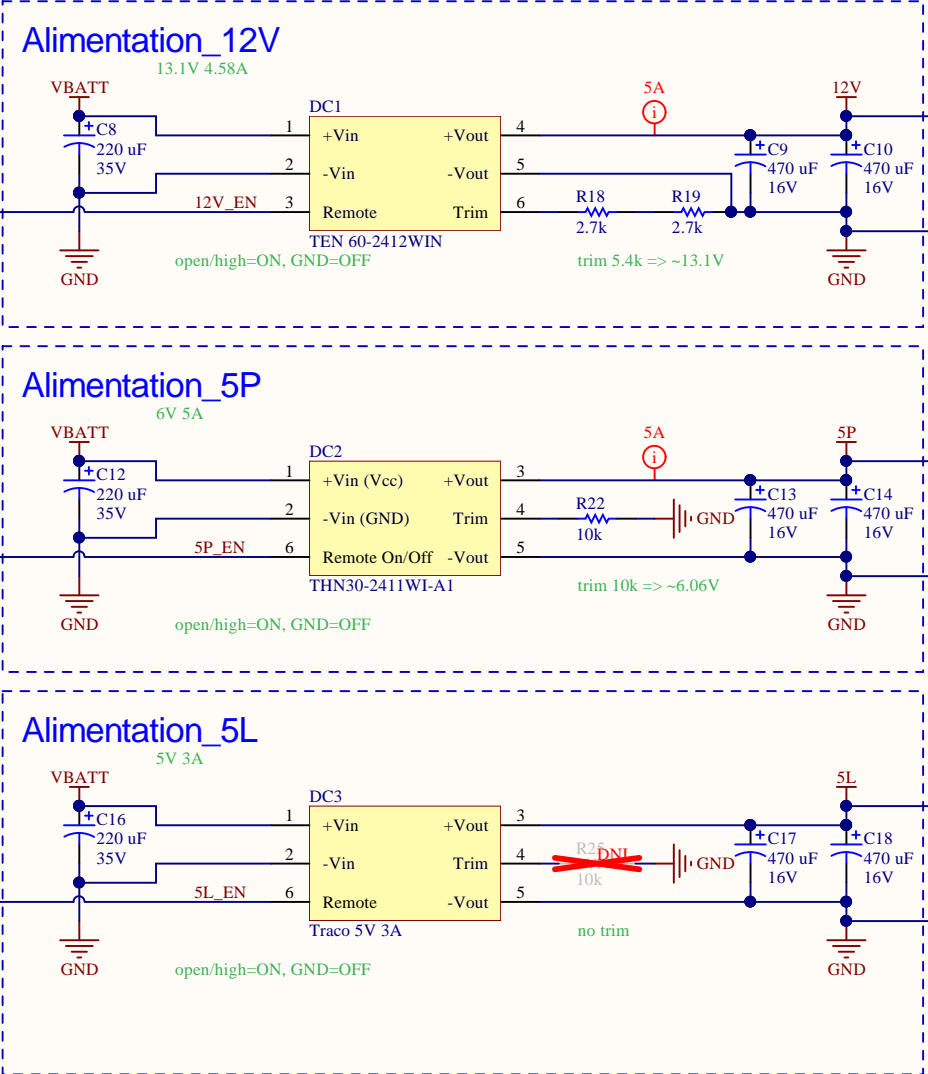
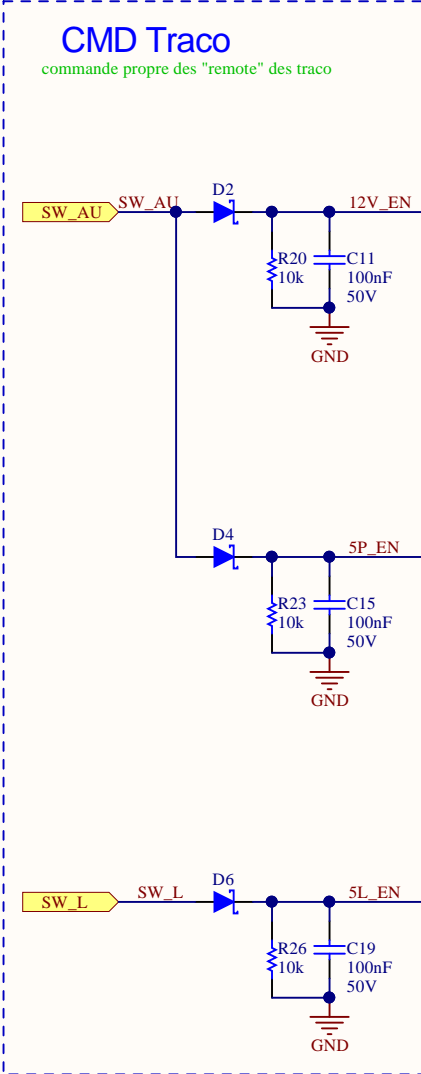


LED Arret d'Urgence (AU)

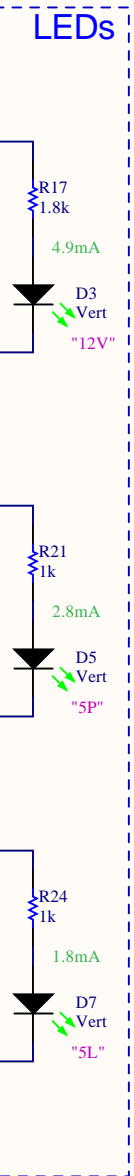
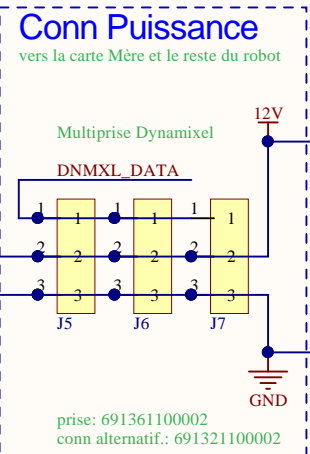
ne s'allume que si tout les traco et le switch à bien démarré (si l'un des traco est flottant, LED\_AU est tiré GND) cette led n'est pas sur la carte, elle est déportée sur le "clavier"



Traco



**Charge**  
charge resistive pour ne pas laisser les traco à vide à peupler par des résistances traversante au besoin  
ou connecteur de sortie alternatif



Function title  
Routing note  
Warning note  
Info note

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Size A4	Number	Revision	
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File:	N:\DOC\...\Carte_Alim_2019_TRACO_SchDown By:		

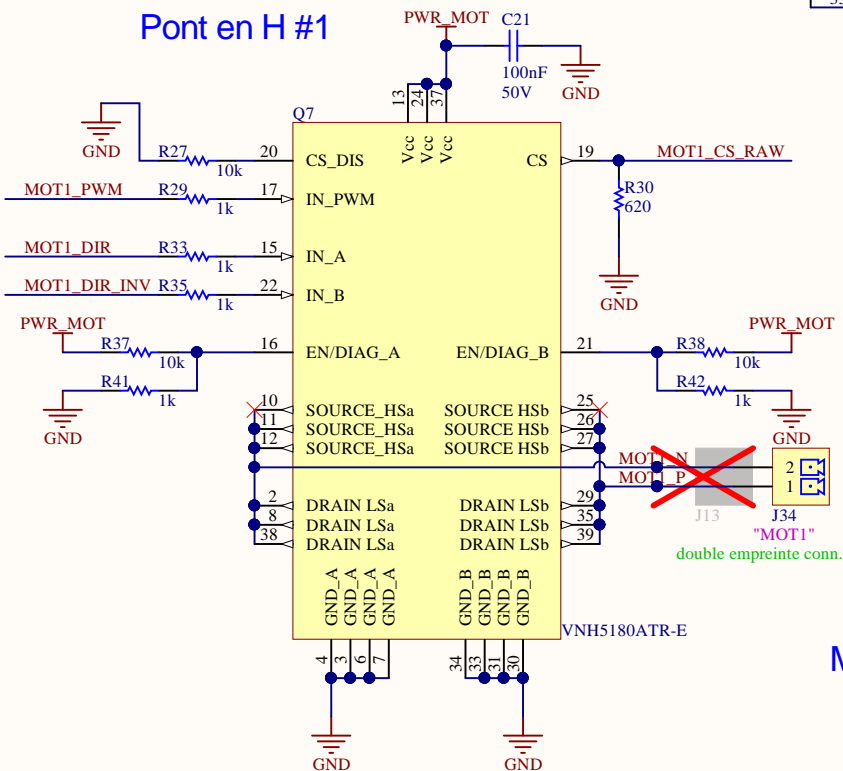
# MOT

Double pont en H

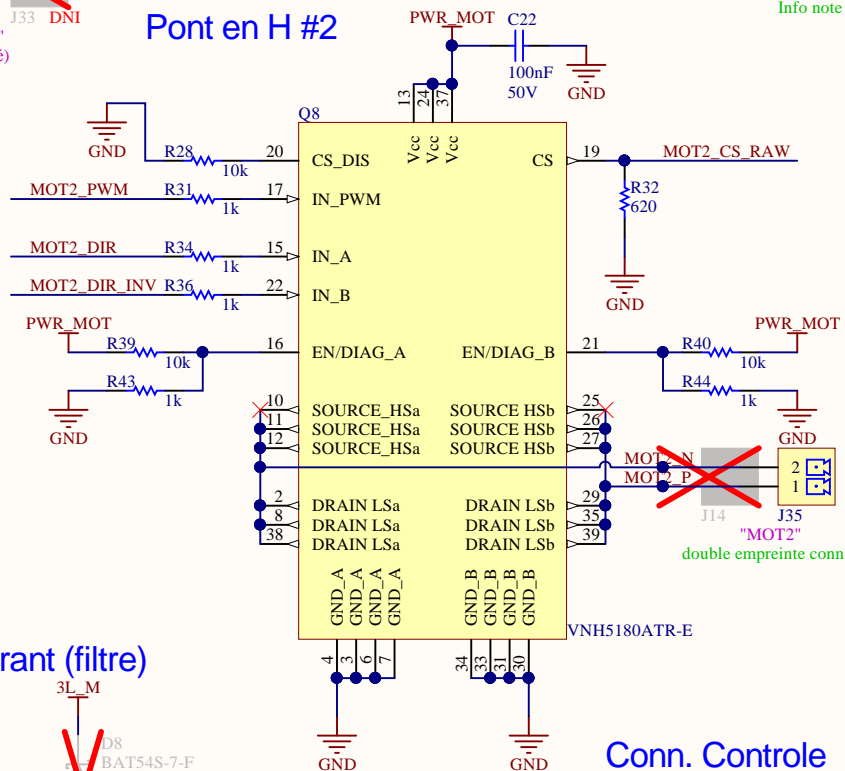
Function title

Routing note  
Warning note  
Info note

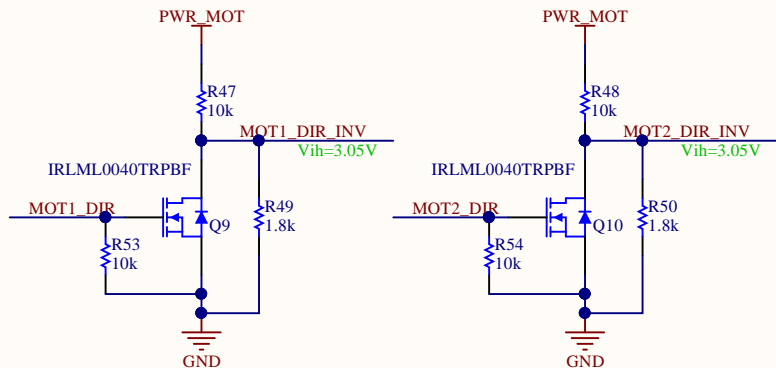
## Pont en H #1



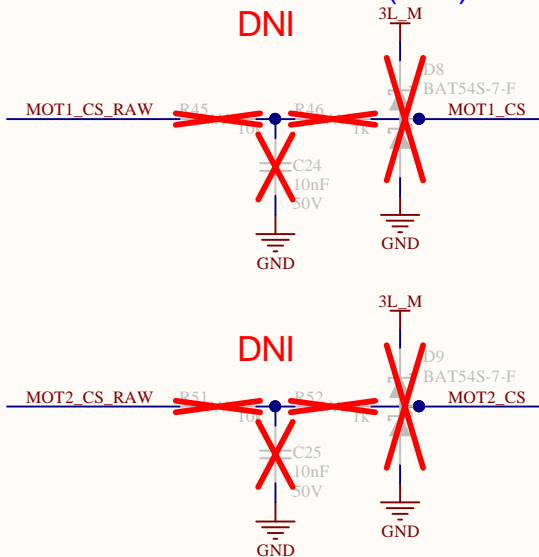
## Pont en H #2



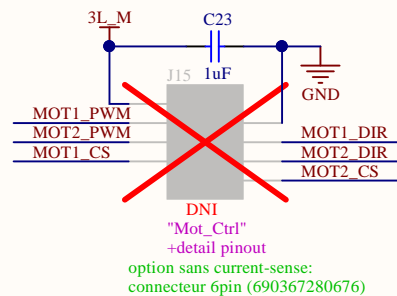
## Controle de DIR



## Mesure de courant (filtre)



## Conn. Controle

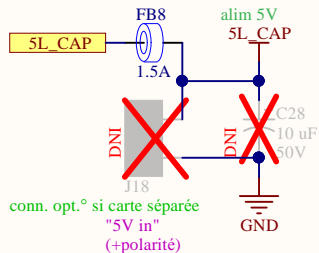
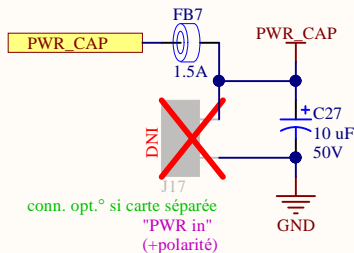


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Date:	26/03/2019	Sheet of
File:	N:\DOC\...\Carte_Alim_2019_MOT.SchDoc	Drawn By:

Alim 2019

# Capteurs

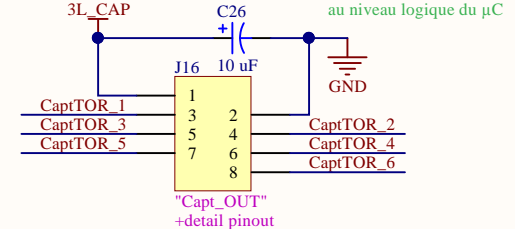
pour 6 capteurs (par groupe de 2)



## Configuration selon type de capteur

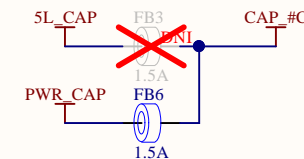
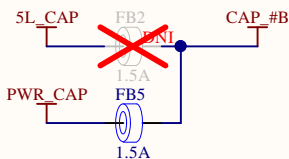
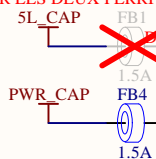
CAPTEUR	NPN Industriel	micro-switch	capteur Analog.
alim:	PWR_CAP	5L_CAP	5L_CAP
pin #			
1	marron (VDD)	NC	VCC
2	blue (GND)	NO (optionnel)	GND
3	black (NPN)	COM	OUT
detection:	out=3.3V	out=3.3V	out= V <sub>out</sub>
modif circuit	non	DNI PU 10k sur l'alim du capteur	- DNI les 2 PU 10k - DNI mosfet, ajout 0 Ohm à la place - option: ajuster pont div 68 & 1.8k

## Conn. Nucleo



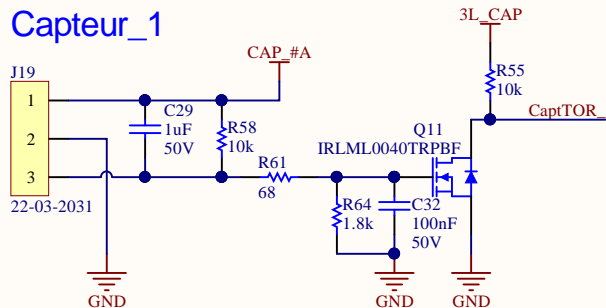
## Selection Alim

Les ferrites permette de selectionner la tension d'alim des capteurs du groupe  
**NE PAS SOUDER LES DEUX FERRITES sinon court-circuit!**

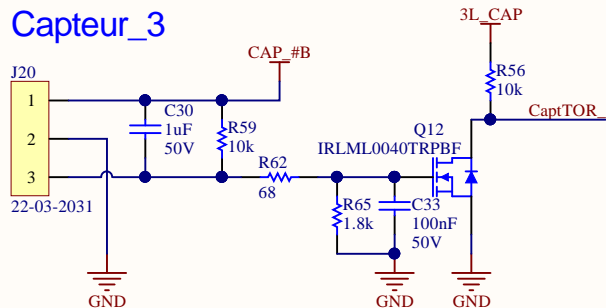


il est possible d'utiliser les micro-switch avec l'alim PWR\_CAP:  
remplacer R 1.8k et 68 par deux 10k pour faire un pont div.  
car les VGS des mosfet sont limité à 16V

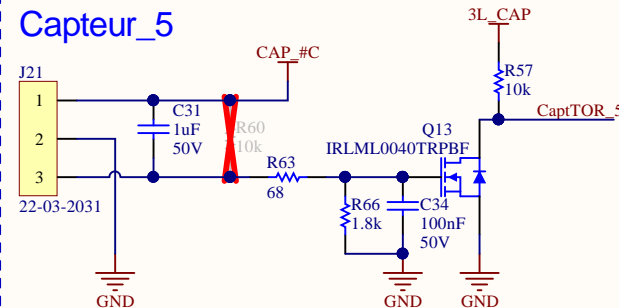
## Capteur\_1



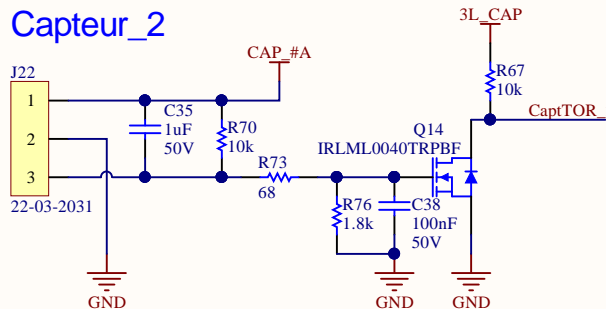
## Capteur\_3



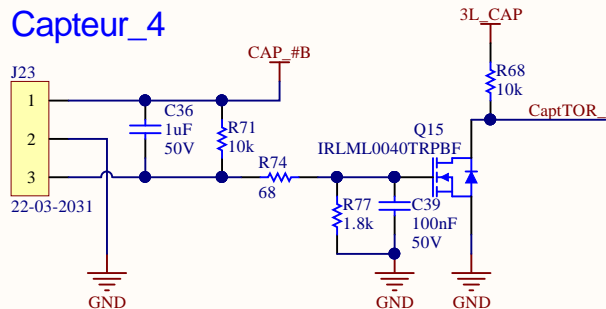
## Capteur\_5



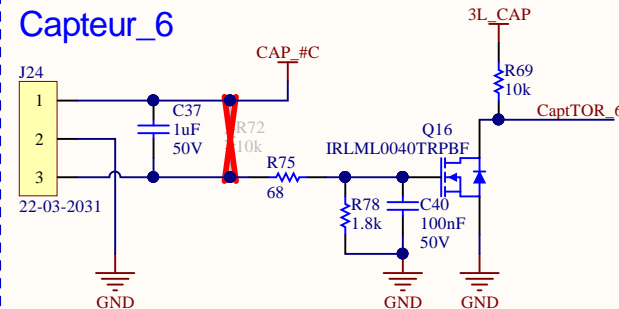
## Capteur\_2



## Capteur\_4



## Capteur\_6



## Function title

Routing note  
Warning note  
Info note

Placer les 2 connecteurs d'un même groupe cote à cote (2.54mm d'interval)  
+detail pinout

Title		
Size	Number	Revision
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File:	N:\DOC\...\Carte_Alim_2019_CAP.SchDoc	Drawn By:

