

Conn_Batt

Vin: 18~25V (LiPo 6S)

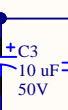
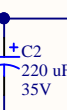
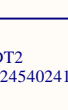
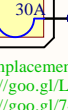
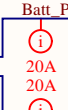
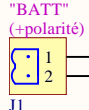
Etage d'Entrée

option de souder les câbles directement

support fusible+fusible F1

protection inv. polarité Surtension

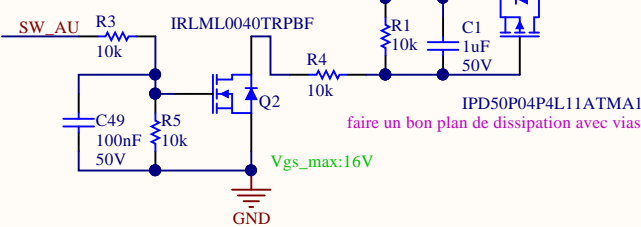
Banque capacitive



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

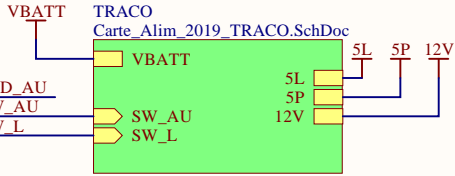
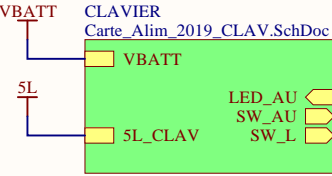
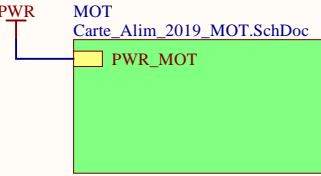
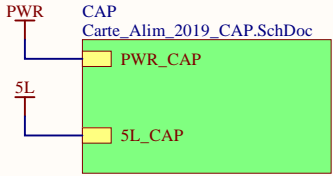
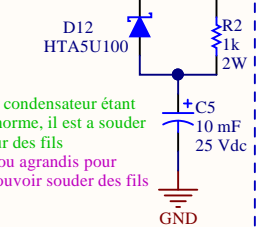
SW_PWR

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

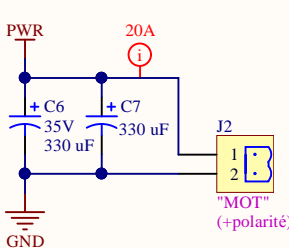


Capa

reserve pour les moteurs

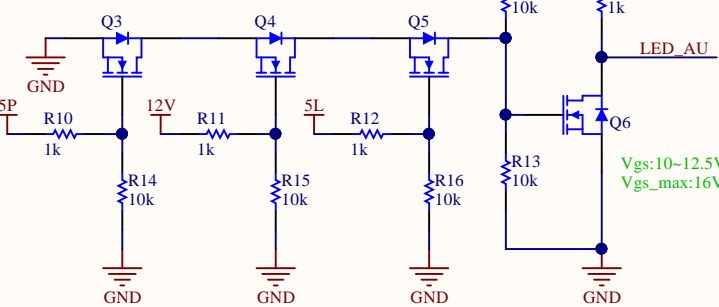


Conn_Mot



LED Arret d'Urgence (AU)

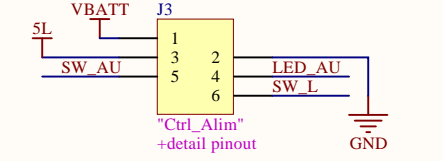
ne s'allume que si tout les traco et le switch à bien démarré (si l'un des traco est flottant, LED_AU est tiré GND) cette led n'est pas sur la carte, elle est déporté sur le "clavier"



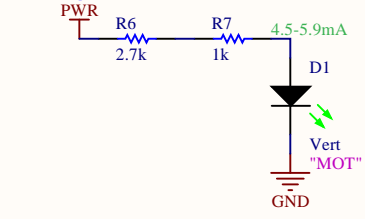
Conn_Clavier

permet de déporter l'AU et le switch alim logique

SW_AU: en NC à SW_L (évite la puissance si logique:OFF)
LED_AU: anode de la lampe intégré à l'AU
SW_L: ON=Batt



LED power



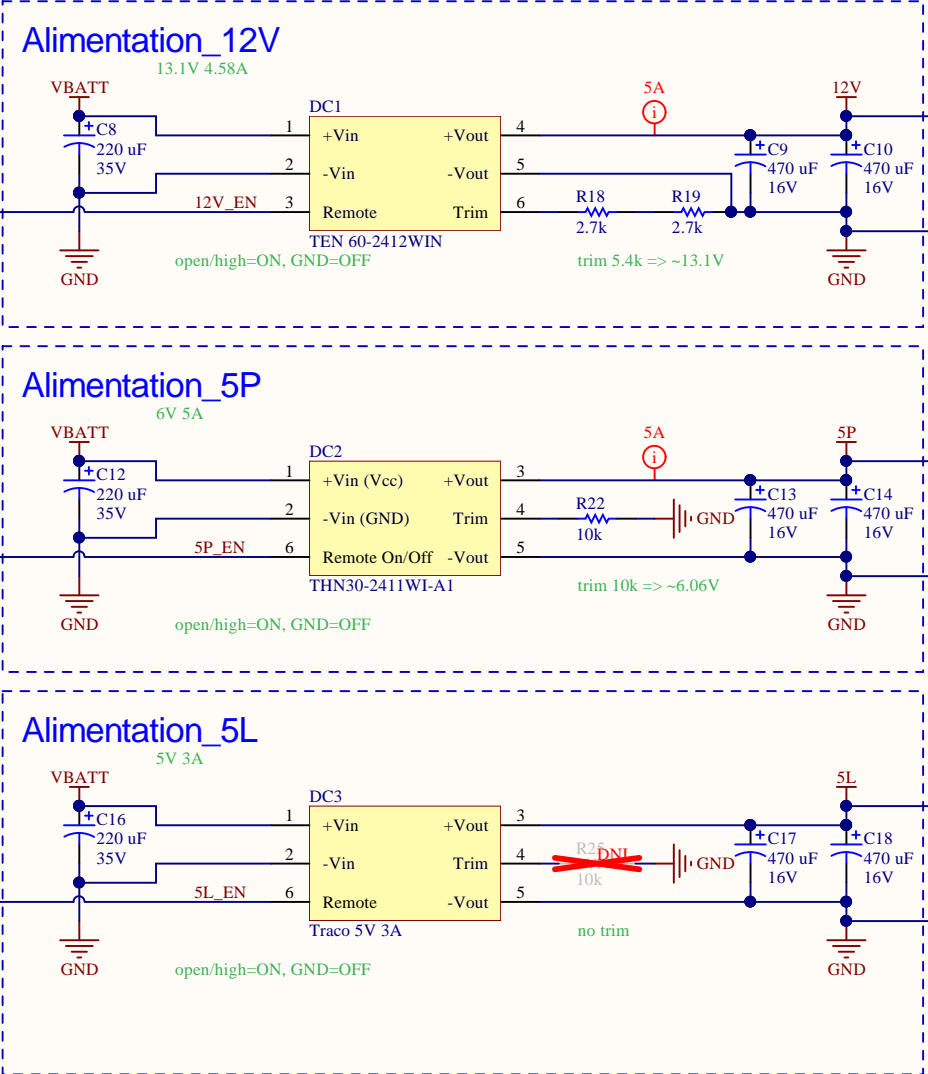
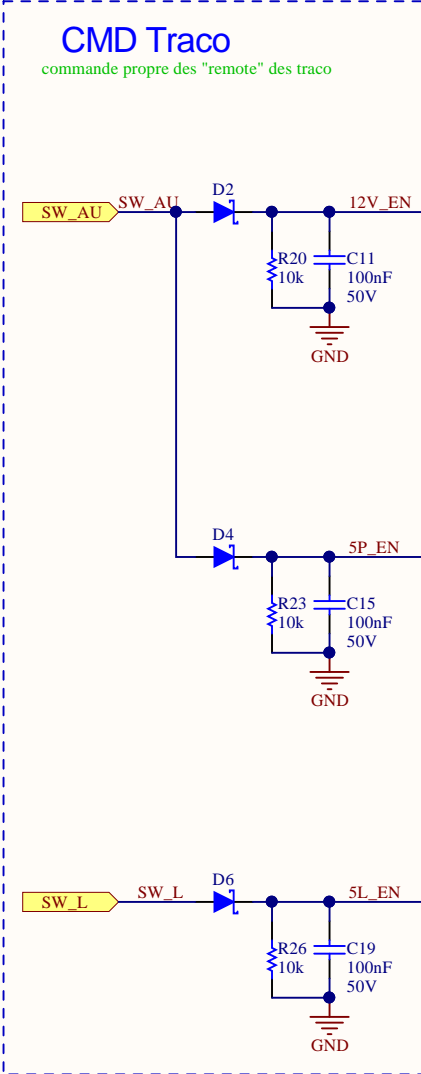
Function title

Routing note
Warning note
Info note

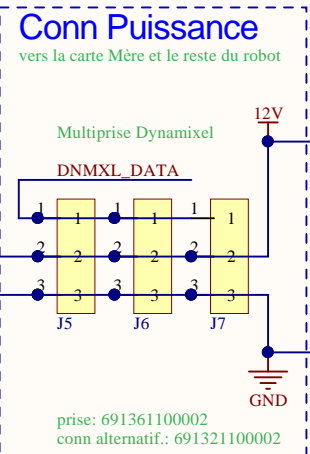
Alim 2019

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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

Title		
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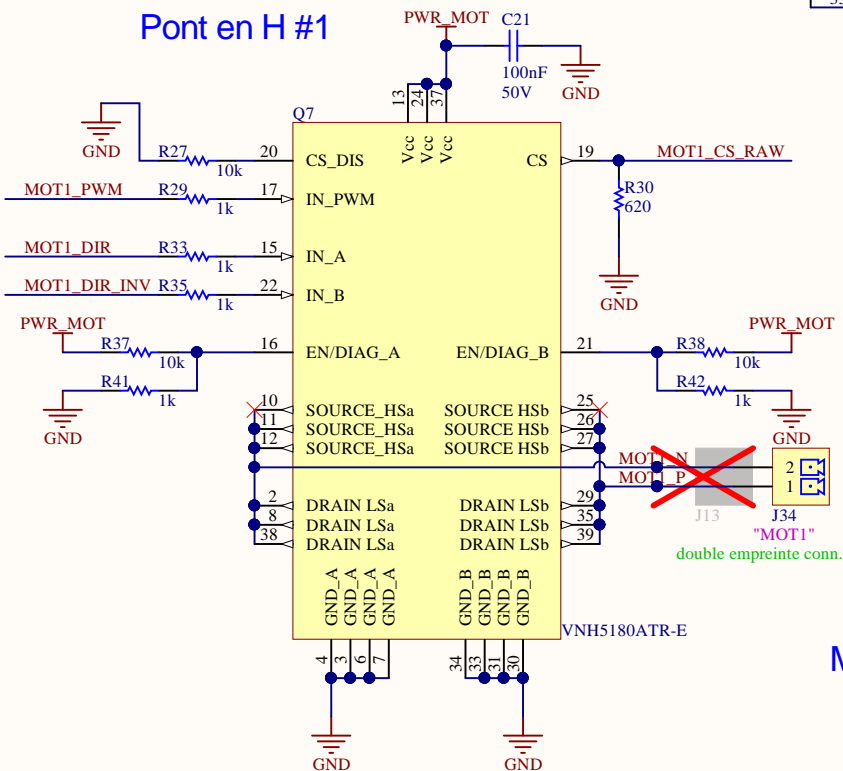
MOT

Double pont en H

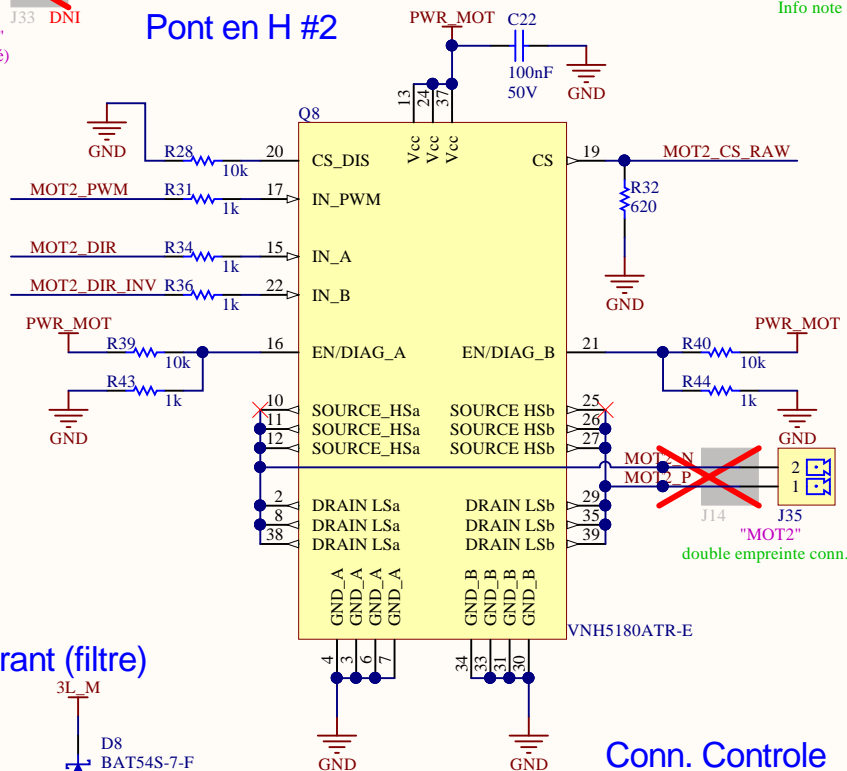
Function title

Routing note
Warning note
Info note

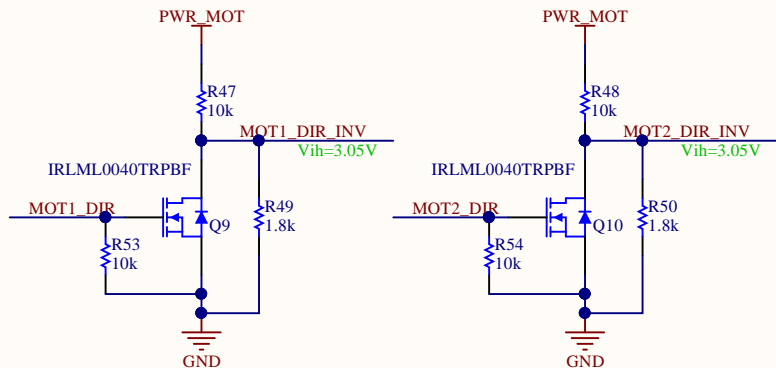
Pont en H #1



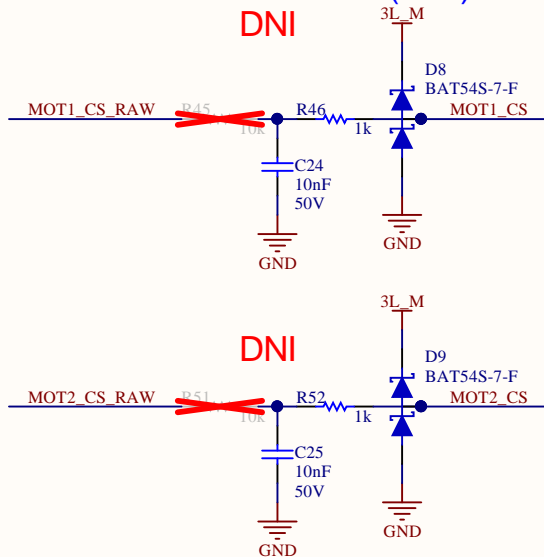
Pont en H #2



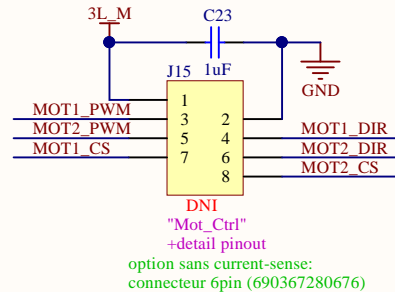
Controle de DIR



Mesure de courant (filtre)



Conn. Controle

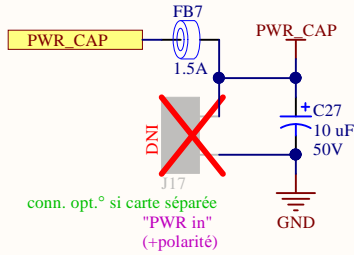


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Alim 2019

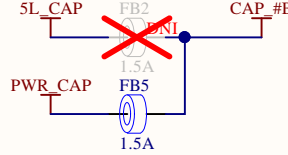
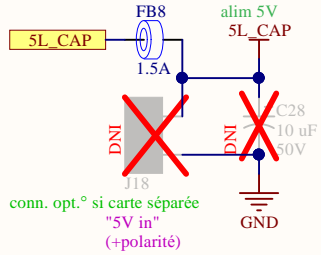
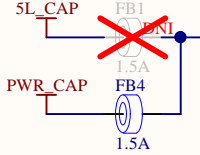
Capteurs

pour 6 capteurs (par groupe de 2)



Selection Alim

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



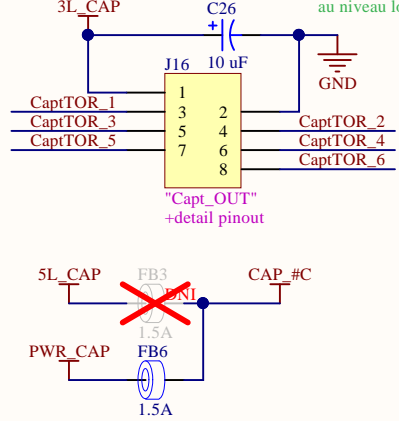
Configuration selon type de capteur

CAPTEUR	NPN Industriel PWR_CAP	micro-switch 5L_CAP	capteur Analog 5L_CAP
alim:			
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 _{out}
modif circuit:	non	R_PU: DNI	R_PU: DNI les 2
alim PWR:	(20~25V)		Mosfet: DNI
			68 Ohm à la place
			R_Serie: 10k
			R_PD: 1k
			R_PU: DNI les 2
			Mosfet: DNI
			68 Ohm à la place

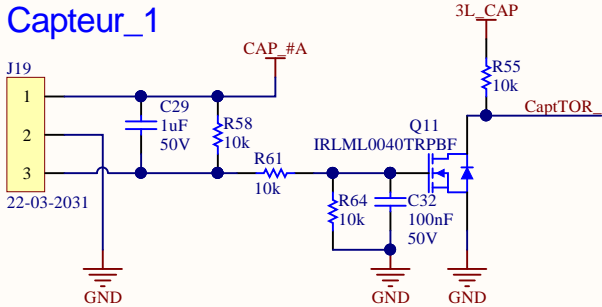
Rappel: les VGS des mosfet sont limité à 16V (et min.2,5V)

Conn. Nucleo

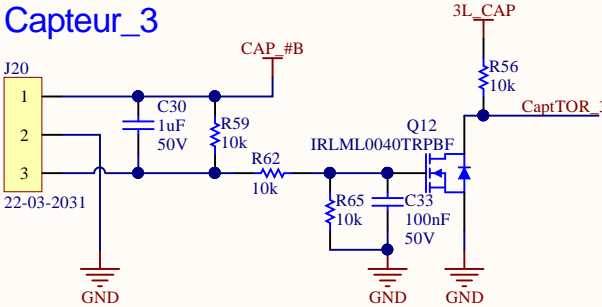
l'alim 3L_CAP est une entrée d'alim, elle doit être au niveau logique du µC



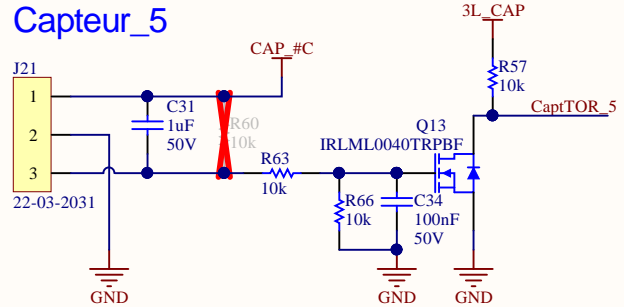
Capteur_1



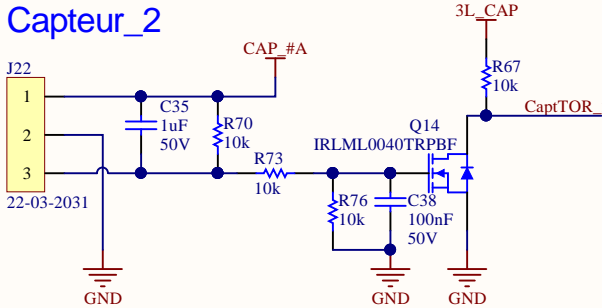
Capteur_3



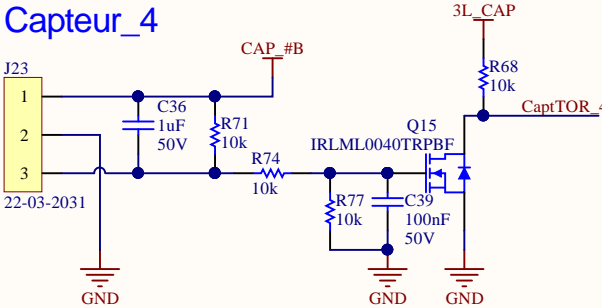
Capteur_5



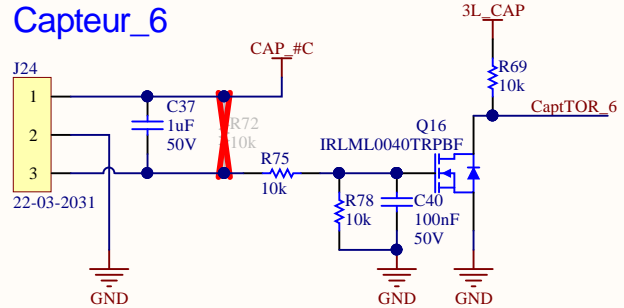
Capteur_2



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

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