

Conn_Batt

Vin: 18~25V (LiPo 6S)

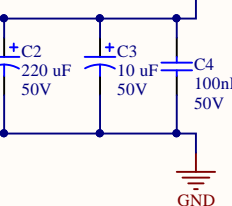
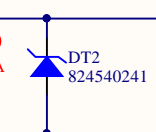
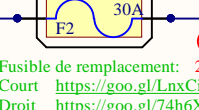
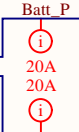
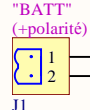
Etage d'Entrée

option de souder les câbles directement

support fusible+fusible F1

protection inv. polarité Surtension

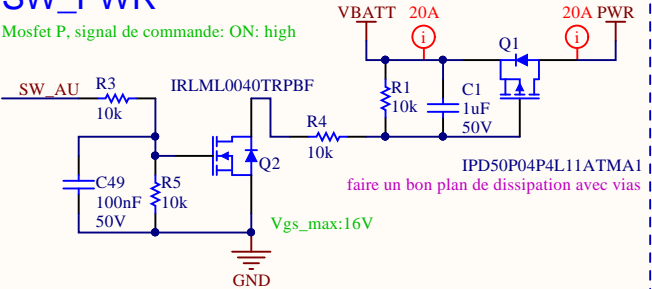
Banque capacitive



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

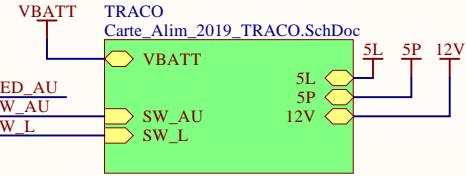
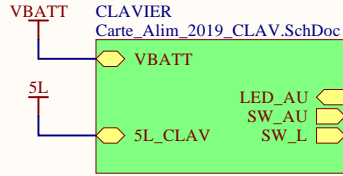
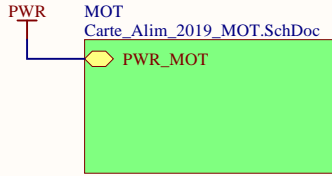
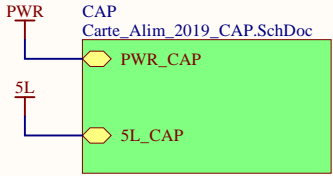
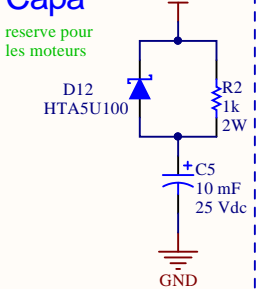
SW_PWR

Mosfet P, signal de commande: ON: high

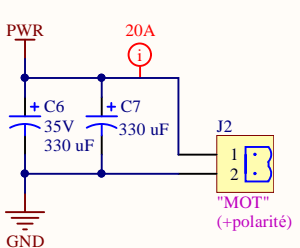


Capa

reserve pour les moteurs

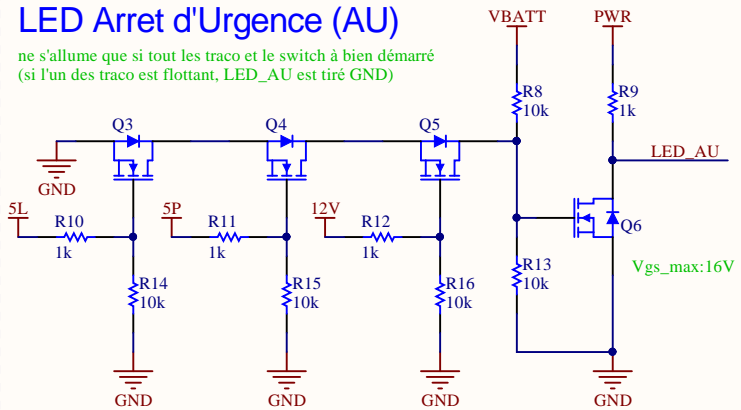


Conn_Mot



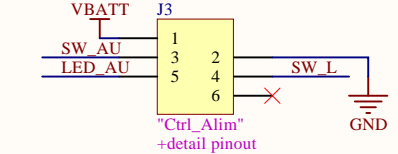
LED Arret d'Urgence (AU)

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)

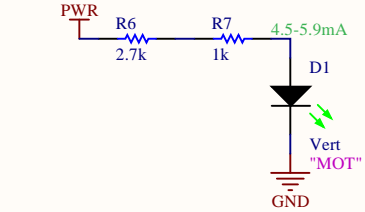


Conn_Clavier

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

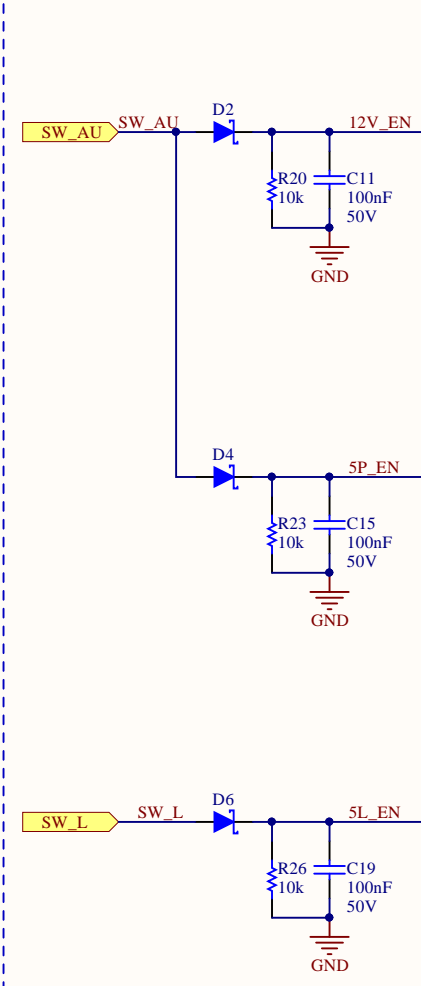
Alim 2019

Title		
Size	Number	Revision
A4		
Date:	21/03/2019	Sheet of
File:	N:\DOC\...\Carte_Alimentation_2019_TOP.SchDoc	Drawn By:

Traco

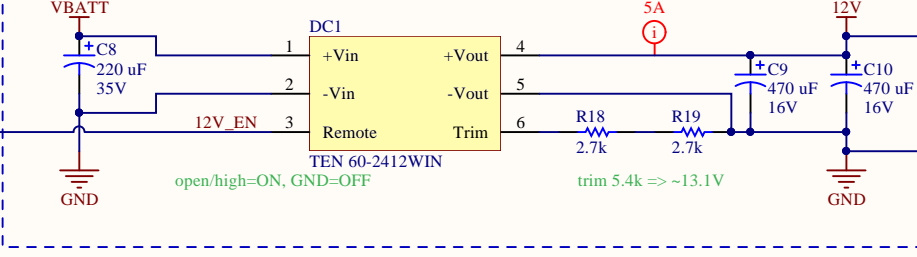
CMD Traco

commande propre des "remote" des traco



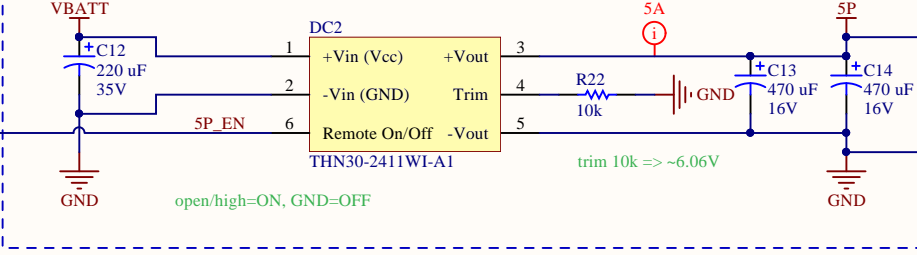
Alimentation_12V

13.1V 4.58A



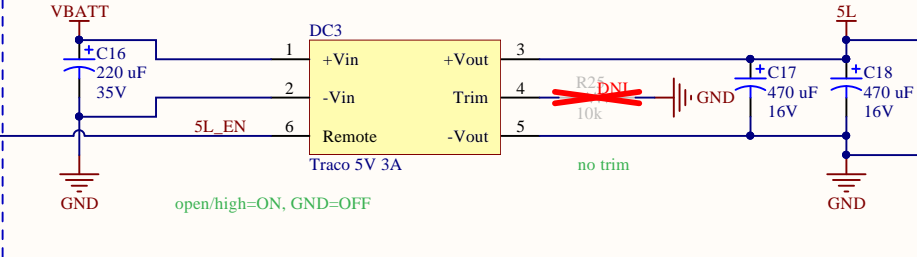
Alimentation_5P

6V 5A



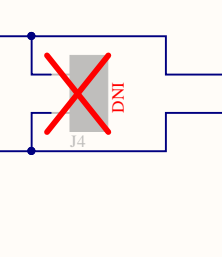
Alimentation_5L

5V 3A



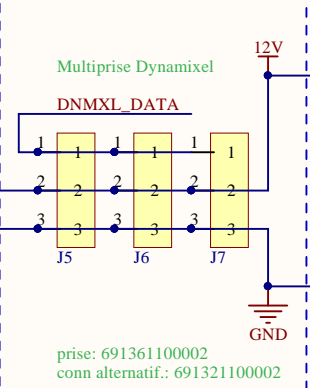
Charge

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

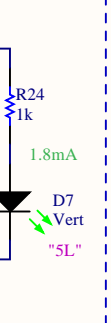
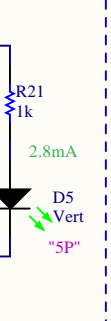
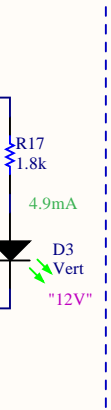


Conn Puissance

vers la carte Mère et le reste du robot



LEDs



Function title

Routing note
Warning note
Info note

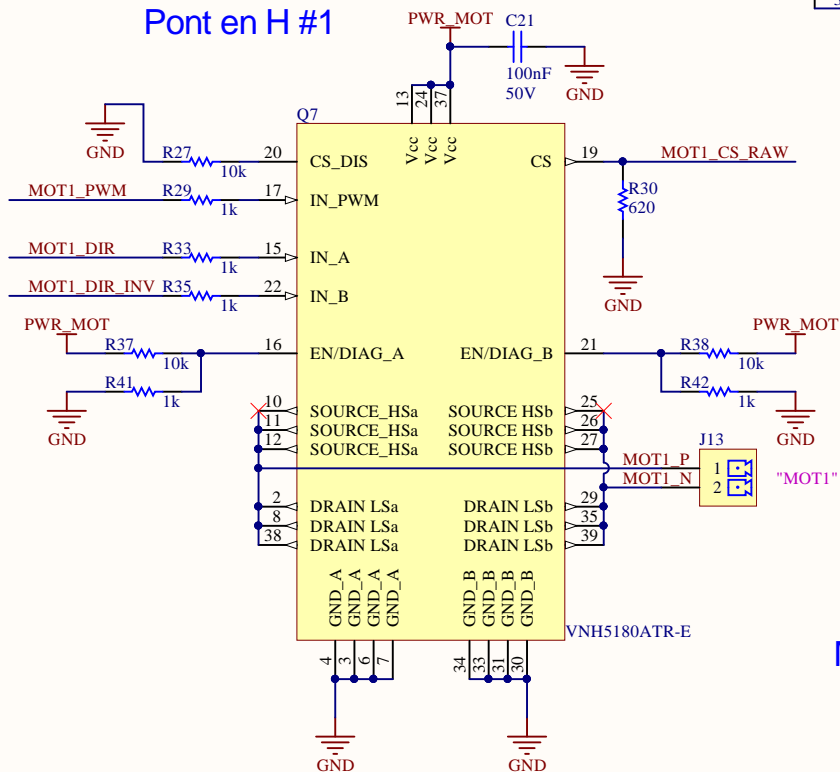
Alim 2019

Title		
Size	Number	Revision
A4		
Date:	21/03/2019	Sheet of
File:	N:\DOC\...\Carte_Alim_2019_TRACO_Sch	Drawn By:

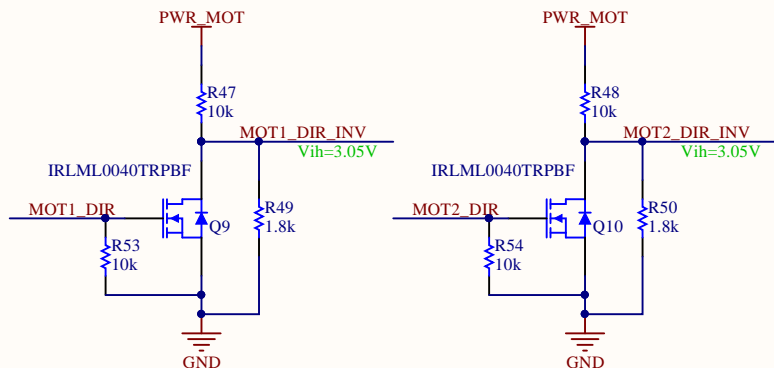
MOT

Double pont en H

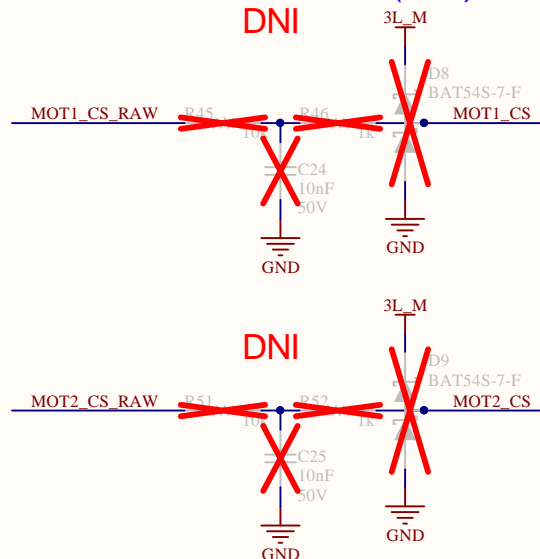
Pont en H #1



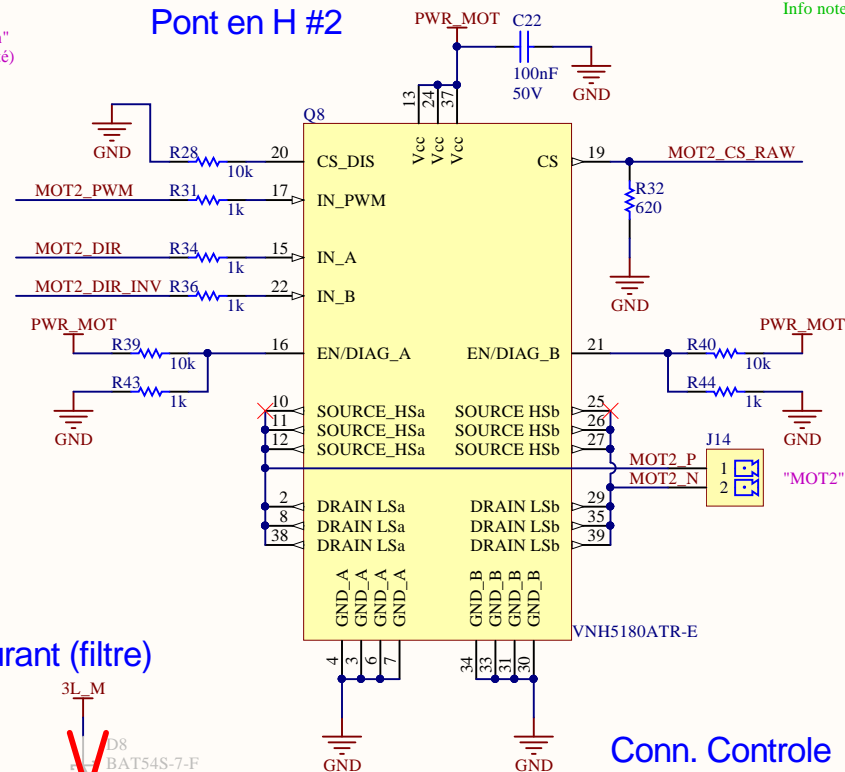
Controle de DIR



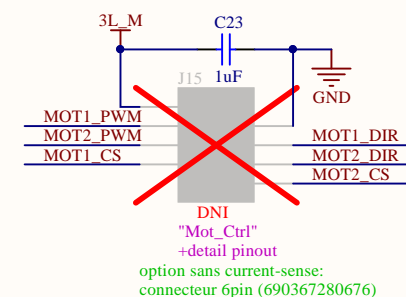
Mesure de courant (filtre)



Pont en H #2



Conn. Controle

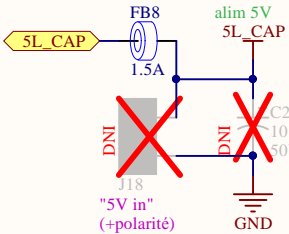
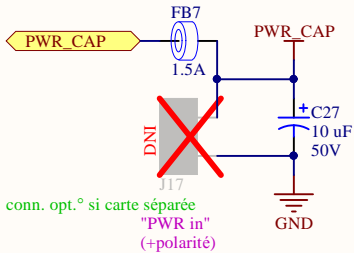


Alim 2019

Title		
Size	Number	Revision
A4		
Date:	21/03/2019	Sheet of
File:	N:\DOC\...\Carte_Alim_2019_MOT.SchDoc	Drawn By:

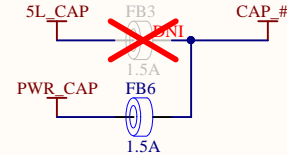
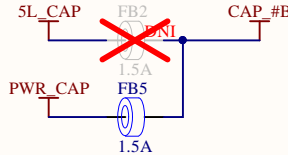
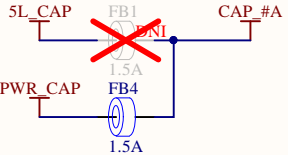
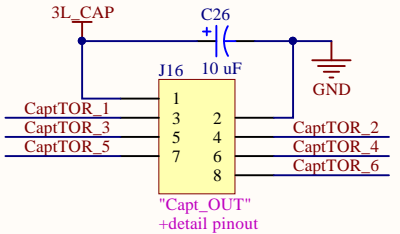
Capteurs

pour 6 capteurs (par groupe de 2)

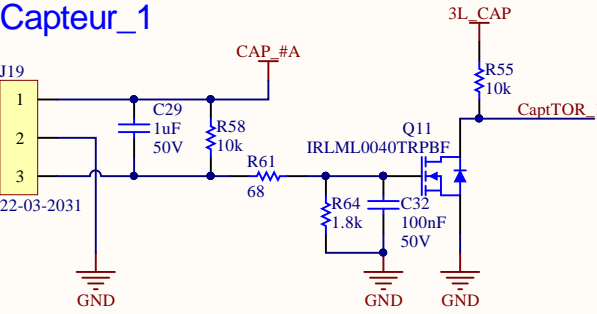


CAPTEUR	NPN Industriel	micro-switch
alim:	PWR_CAP	5L_CAP
pin #		
1	marron (VDD)	NC
2	blue (GND)	NO (optionnel)
3	black (NPN)	COM
detection:	out=3.3V	out=3.3V
circuit		DNI PU 10k

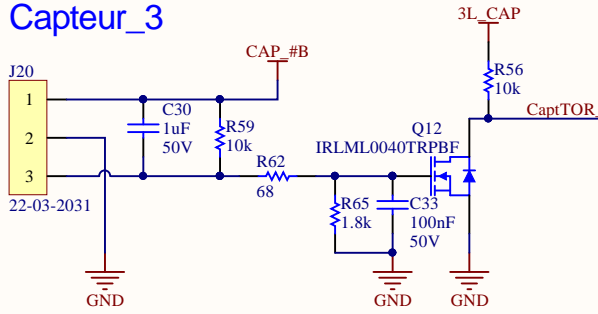
il est possible d'utiliser les micro-switch avec l'alim PWR_CAP: remplacer R 1.8k et 68 par deux 10k pour faire un pont div.



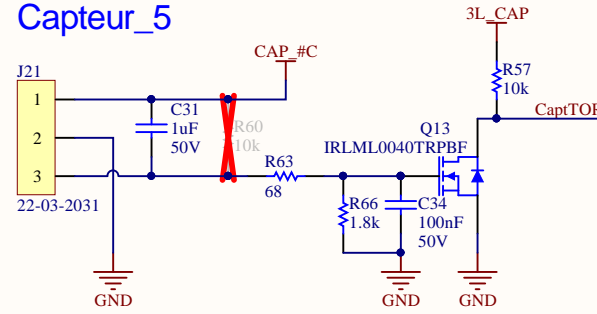
Capteur_1



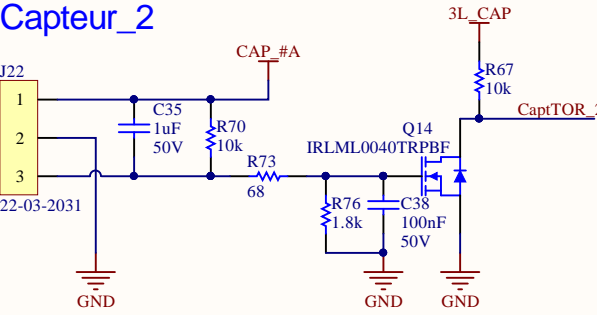
Capteur_3



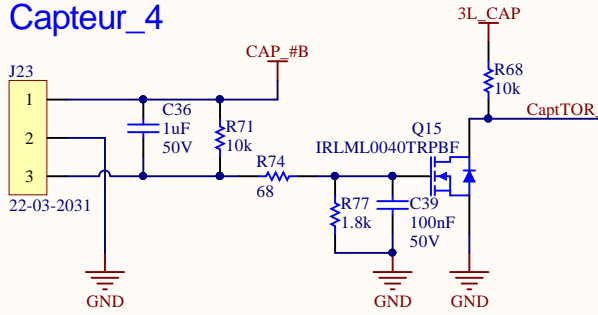
Capteur_5



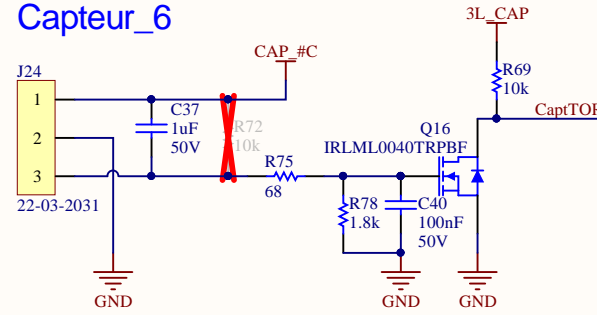
Capteur_2



Capteur_4



Capteur_6



Function title

Routing note
Warning note
Info note

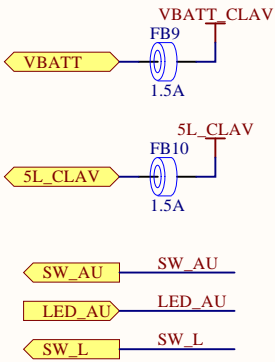
Placer les 2 connecteurs d'un même groupe cote à cote (2.54mm d'interval)
+detail pinout

Alim 2019

Title		
Size	Number	Revision
A4		
Date:	21/03/2019	Sheet of
File:	N:\DOC\...\Carte_Alim_2019_CAP.SchDoc	Drawn By:

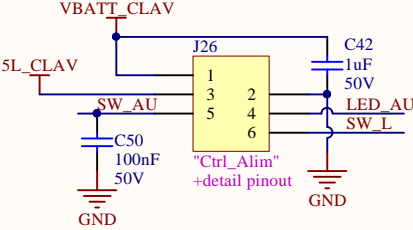
Clavier

situé en haut du robot

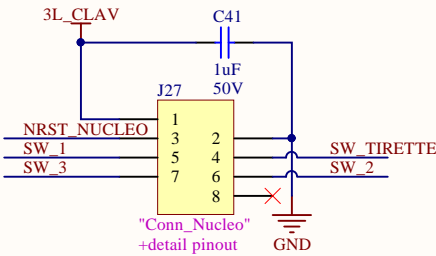


Conn. Carte Alim

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

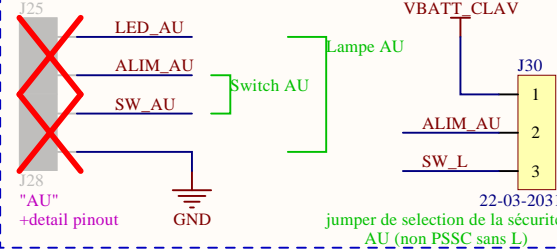


Conn. Nucleo

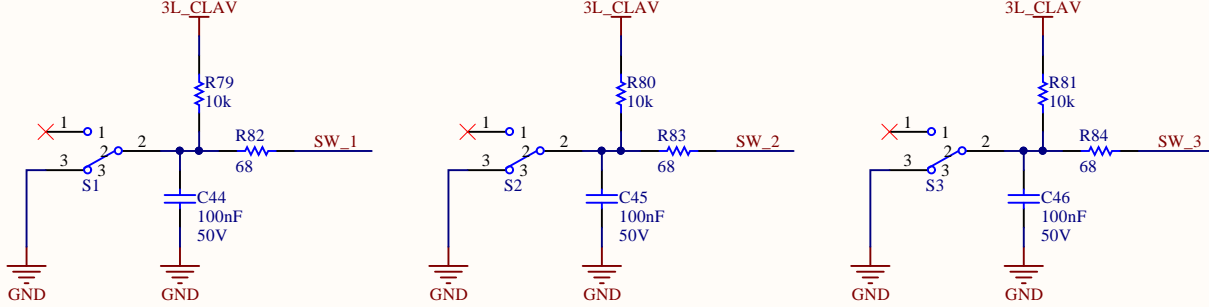


Conn AU

mettre les connecteurs cote à cote (pas 2.54)

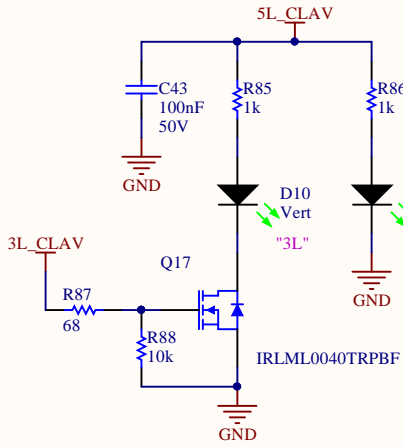


Interrupteurs Génériques



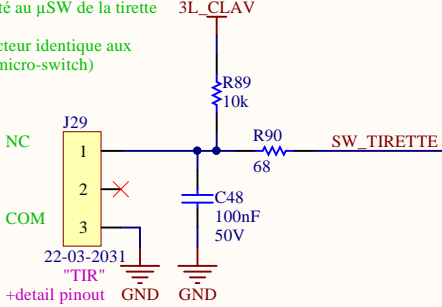
LED

permet un retour d'état sur le panneau utilisateur

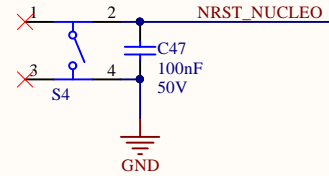


Conn. Tirette

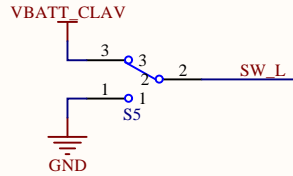
connecté au µSW de la tirette
(connecteur identique aux autres micro-switch)



Bouton RESET



Interrupteur Alim Logique



Function title

Routing note
Warning note
Info note

Alim 2019

Title		
Size	Number	Revision
A4		
Date:	21/03/2019	Sheet of
File:	N:\DOC\..\Carte_Aliment_2019_CLAV.SchDoc	Down By: