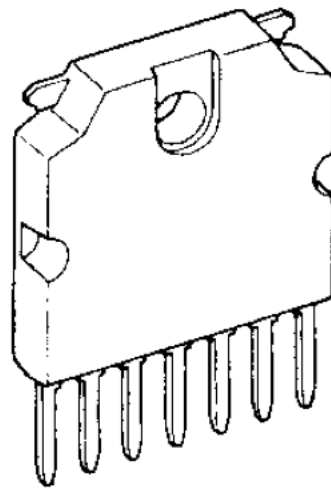


Pont en H



<https://github.com/pierremolinaro/cartes-micro-contrôleurs-centrale-nantes/tree/master/pont-en-h-ohr>

Pierre Molinaro
31 octobre 2022

Composant intégrant le pont en H

Le pont en H intégré est un TB6568KQ ou un TB6643KQ de Toshiba :

<https://toshiba.semicon-storage.com/eu/semiconductor/product/motor-driver-ics/brushed-dc-motor-driver-ics/detail.TB6568KQ.html>

<https://toshiba.semicon-storage.com/eu/semiconductor/product/motor-driver-ics/brushed-dc-motor-driver-ics/detail.TB6643KQ.html>

Même brochage, même boîtier

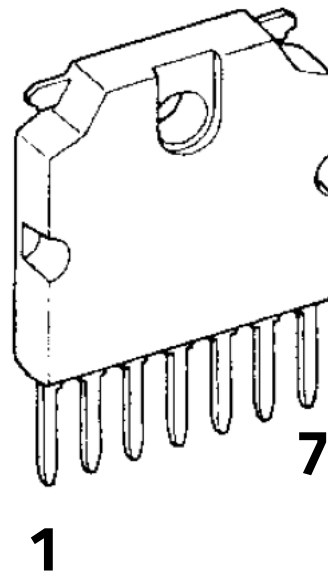


Diagramme bloc du TB6643KQ

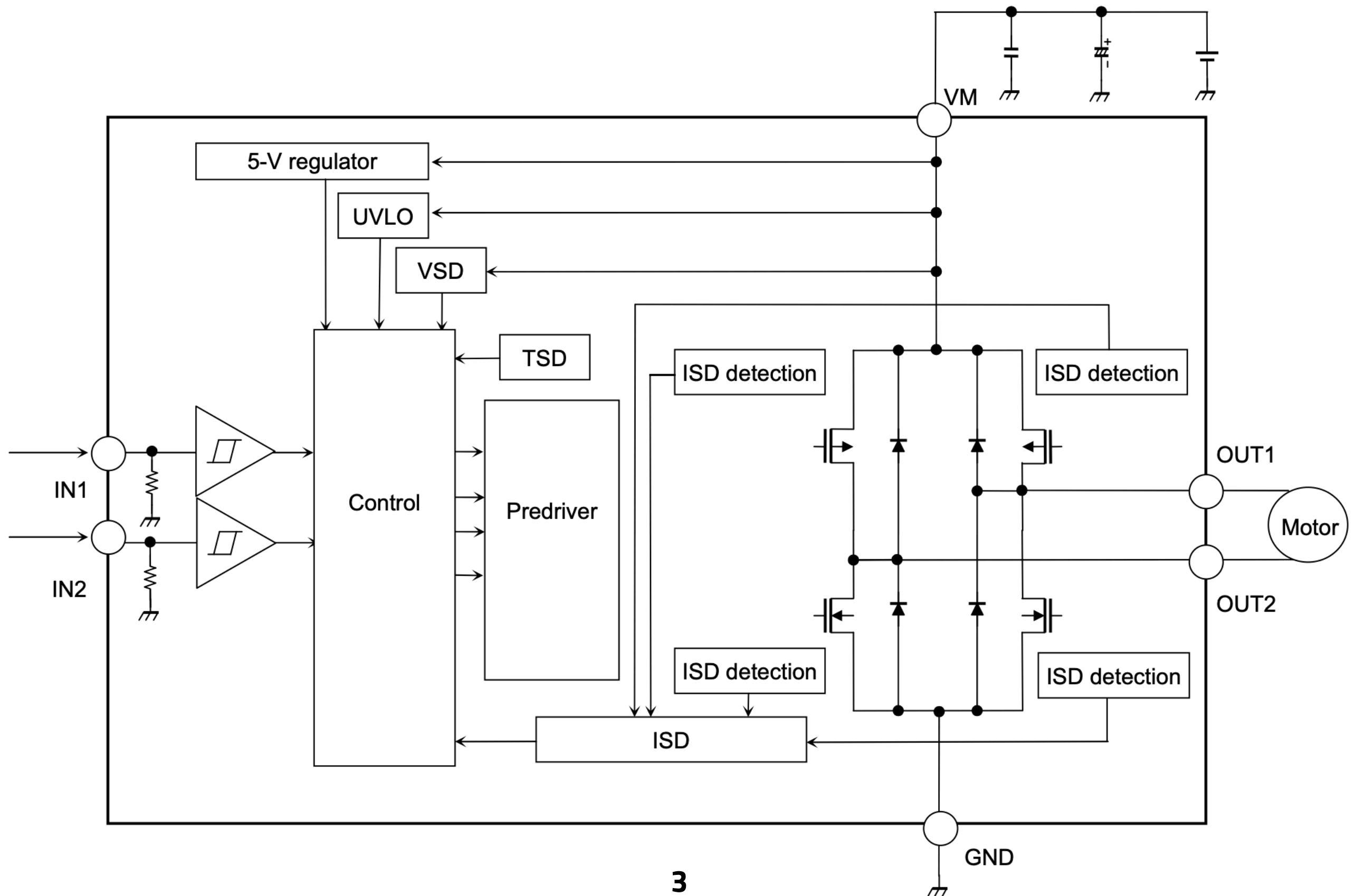
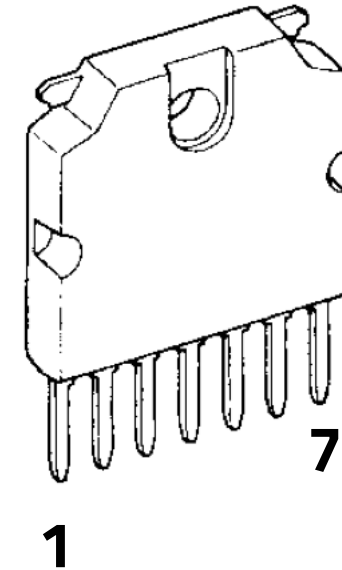


Table de vérité et brochage

Pin Functions

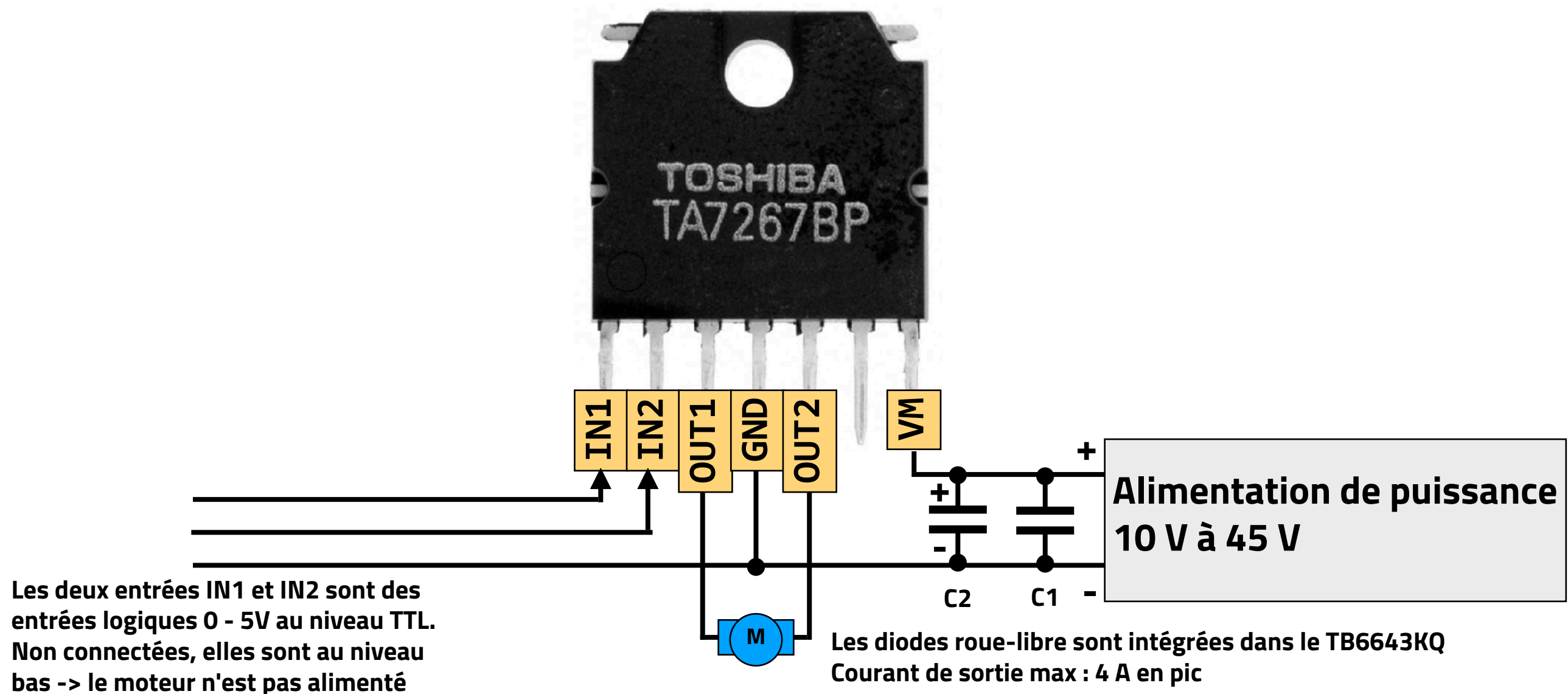
Pin No.	Pin Name	Functional Description
1	IN1	Control signal input pin 1
2	IN2	Control signal input pin 2
3	OUT1	Output pin 1
4	GND	Ground pin
5	OUT2	Output pin 2
6	N.C.	No-connect
7	VM	Power supply voltage pin



I/O Function Table

Input		Output		
IN1	IN2	OUT1	OUT2	Mode
H	H	L	L	Short Brake
L	H	L	H	CW/CCW
H	L	H	L	CCW/CW
L	L	OFF (Hi-Z)		Stop (caused by a release of TSD/ISD)

Exemple de connexion



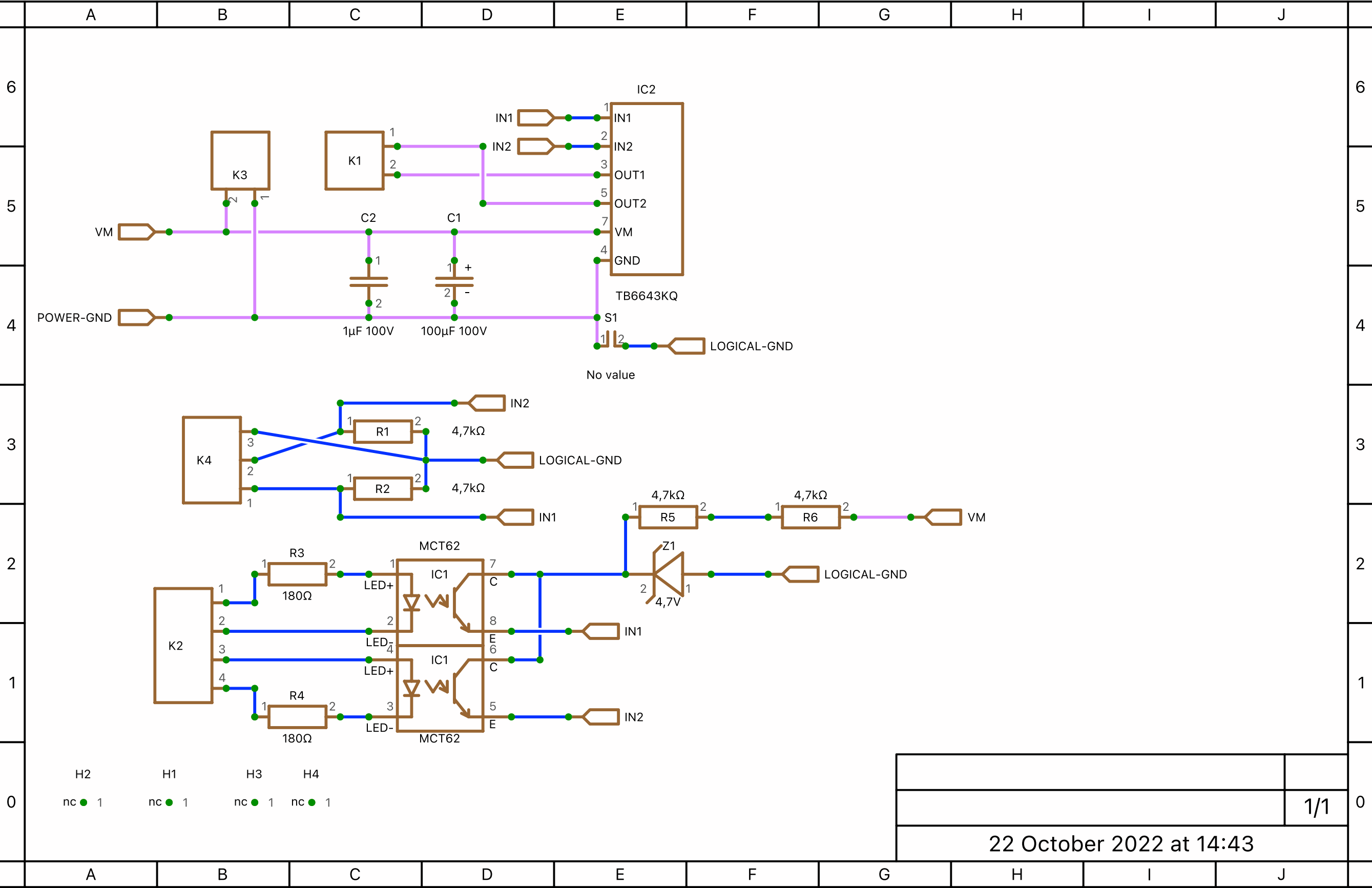
Capacitors Connected to the Power Supply Pin

Connect the capacitors between VM and GND as near the IC as possible.

Recommended Values

Characteristics	Symbol	Recommended Value	Remarks
VM – GND	C1	10 μ F to 100 μ F	Electrolytic capacitor
	C2	0.001 μ F to 1 μ F	Ceramic capacitor

Projet de circuit imprimé



Projet de circuit imprimé

