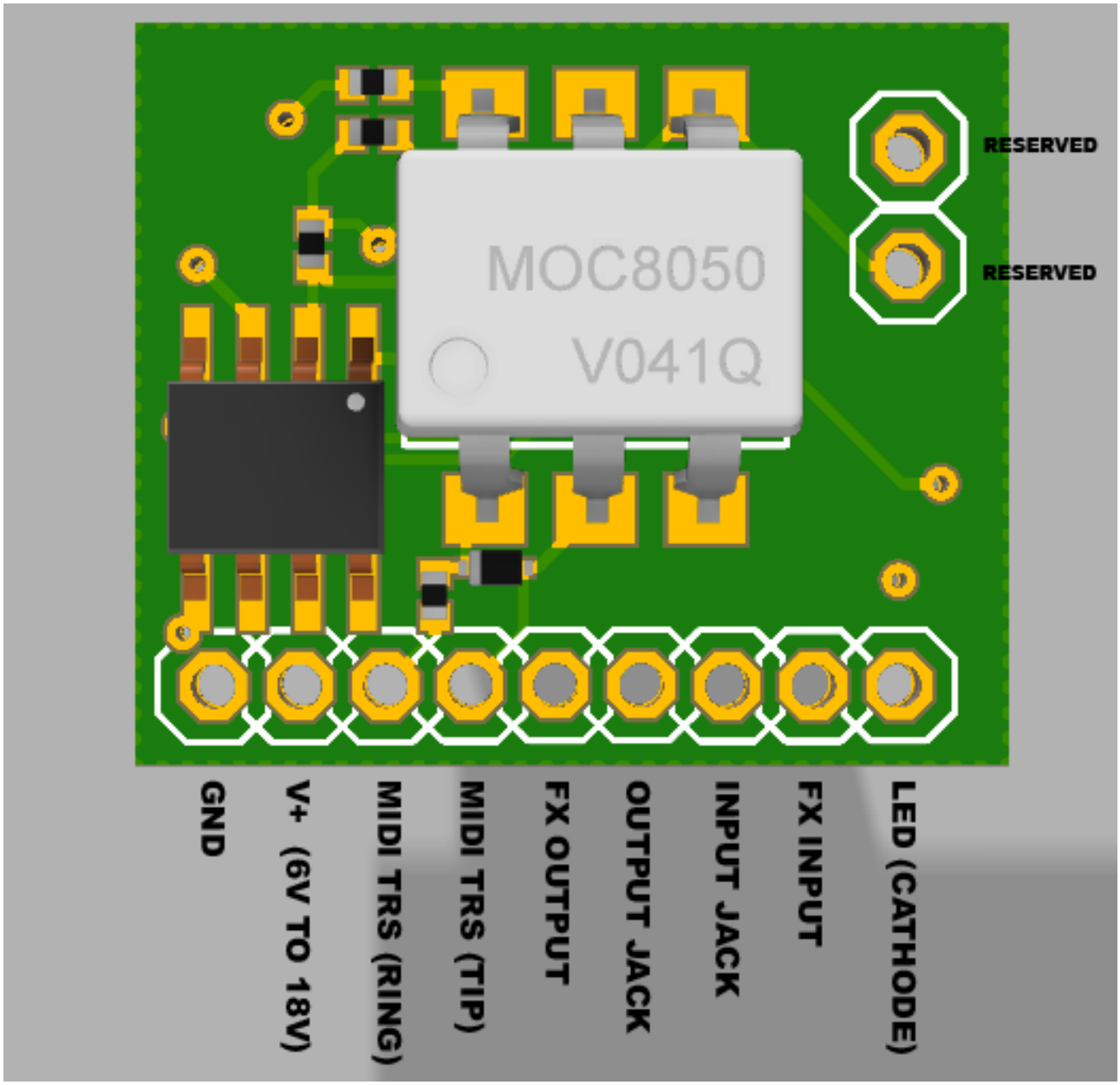
MIDI READY 1

English Manual v1.0

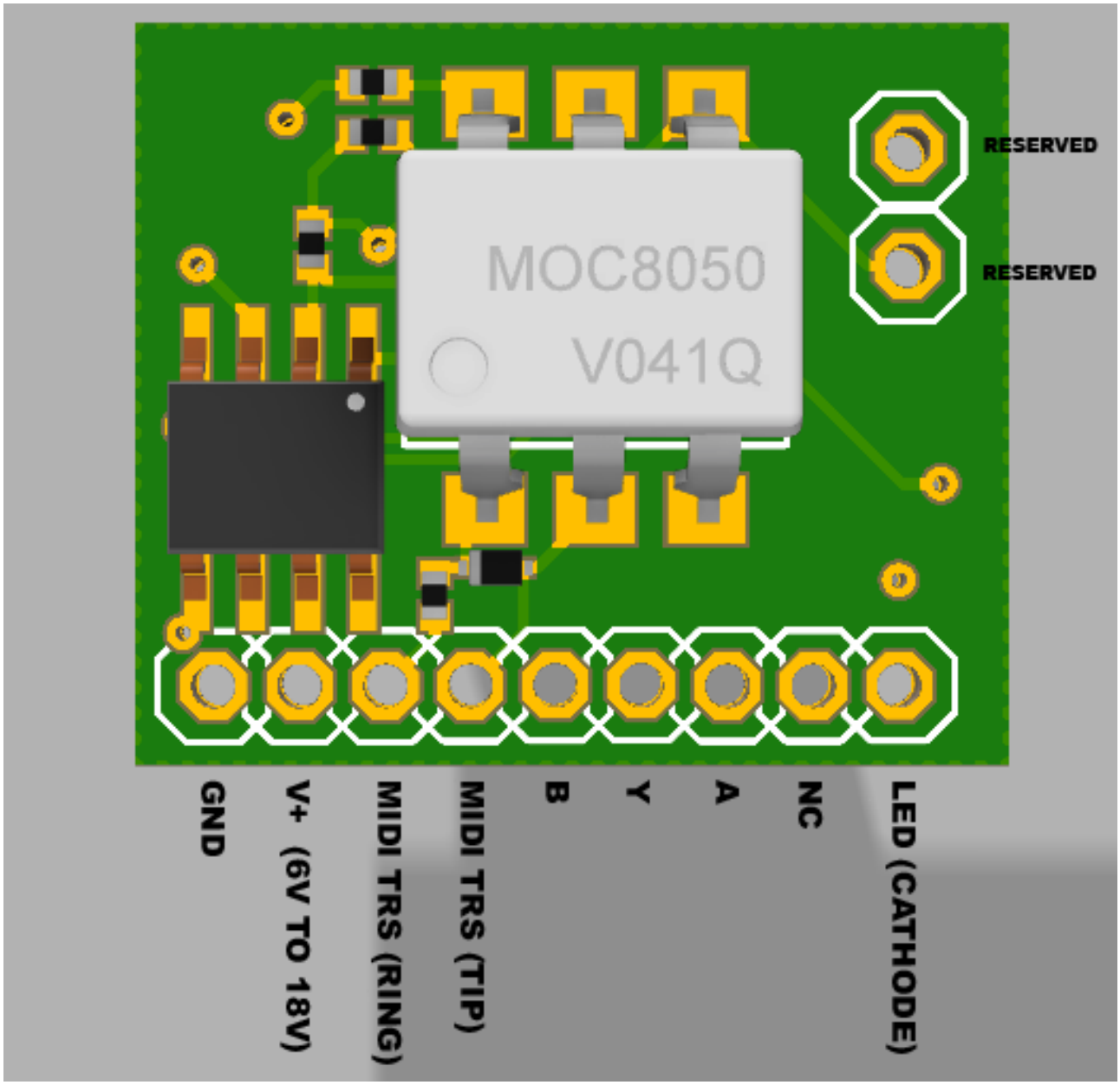
TRUE BYPASS connections:

(Add pull-down resistors on FX INPUT and FX OUTPUT lines if not present on your fx circuit)

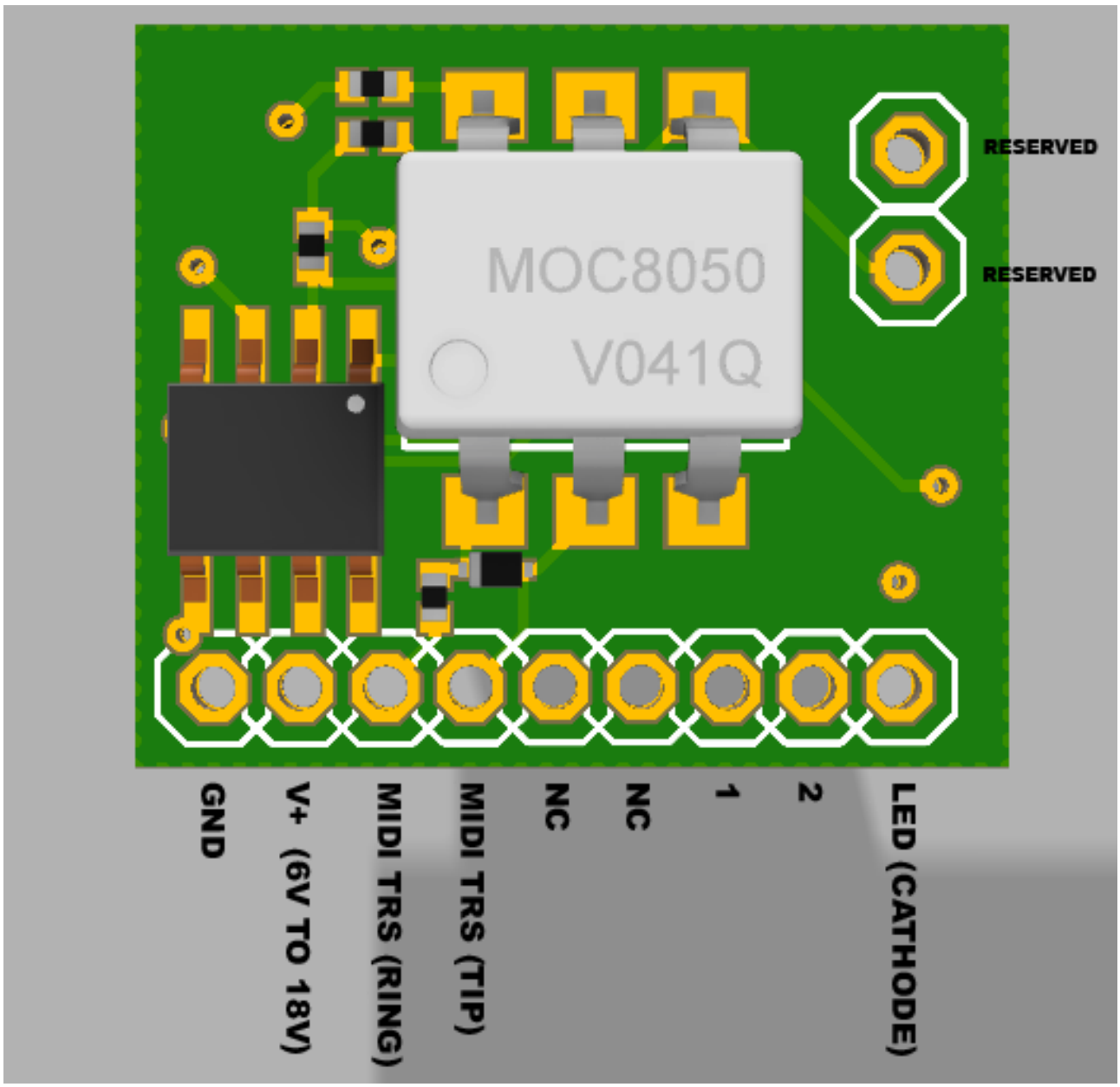


A/B box example connections:

(Add pull-down resistors on A and B lines, only if Y line is used as input)



Example connections to make simple switch:

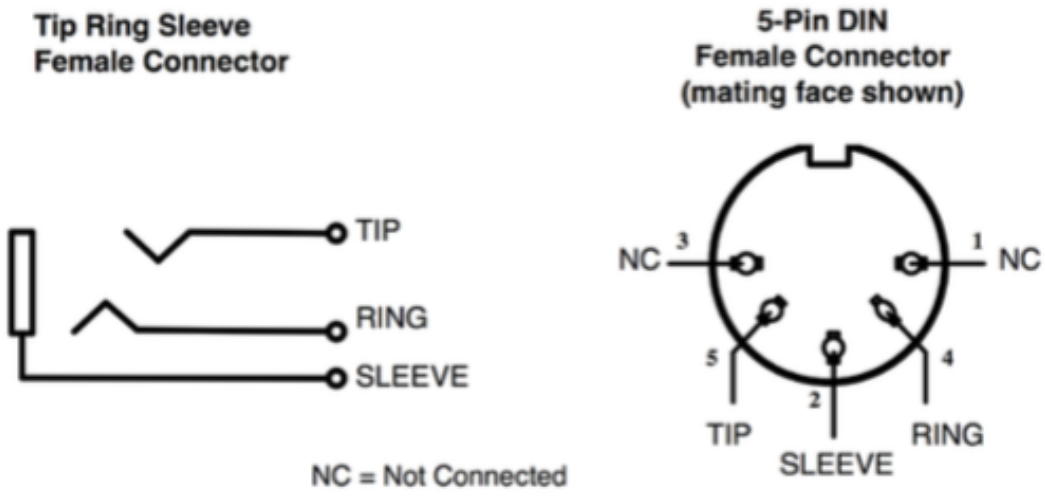


WORKING:

State Change:
The switch on Midi Ready One acts as a normal mechanical stomp switch: Every pression change the state of the contacts.

Long pressure (store):
Along pressure on the switch (2 sec ca.) allow storing the actual state in memory.
Stored programs can be recalled using MIDI program change messages.
After the storing routine, the status led will blink two times to confirm the operation.

Receiving MIDI messages:
Midi Ready One is “ready” to receive midi program change messages in OMNI mode.
You just need to connect your MIDI controller to the mini TRS input, according to the trs midi association standard, as showed below:



MIDI channel selection:
To select the MIDI receive channel, it’s nececessary to send the midi control change message #126, choosing as value, the channel number desired. Values from 0 to 15 select the channels. Value 16 is used for OMNI mode. Values from 17 to 127 will be ignored.
For example, message CC#126, with value=11, will select the new midi receiving channel #11.
The status led will blink two times to confirm the operation.
Pay attention to enumeration! Many systems uses channel enumeration from 1 to 16 instead of 0 top 15. In that case you should considerate an offset di 1; for example, to choose MIDI channel 5 on a system with channel going from 1 to 16,you should send 4 as value.

CONTROL CHANGE messages:
In more complex systems could be useful to work with control change messages instead of program change.
The Control change number factory assigned on Midi Ready One is CC#40.
Sending any value over 0 on the choosen control change number, will set the relay state ON. Value = 0 will set the relay state OFF.
To assign the CC number you need to send the midi CC#127, using the VALUE as container for the new CC number. for example, sending the message CC#127 with value = 24, will be set as new control change number CC#24, and so on.
The status led will blink two times to confirm the operation.
PAY ATTENTION! Control change #126 and #127 cannot be assigned because they are reserved for configuration.

Factory Restore:
If needed, it's possible to make a factory restore of the memory.
To do that, you need to send 10 times the PROGRAM CHANGE #127.
The status led will start to blink restoring all memory location, and will stop at the end of the operation.

Midi Ready One is a product of Nutshell Electronics 100% made in Italy
Patent Pending