Volcano Quick Installation Guide - Volca Beats • Version 1.0 - March 2014

# INTRODUCTION

Thank you, and congratulations on your choice of the Amazing Machines Volcano - MIDI Output Interface for the KORG Volca Series.

Please note that any modification to any KORG Volca will immediately void its warranty.

Amazing Machines will not accept responsibility for any damages, personal loss or injury that may result from the installation of the Volcano Interface.

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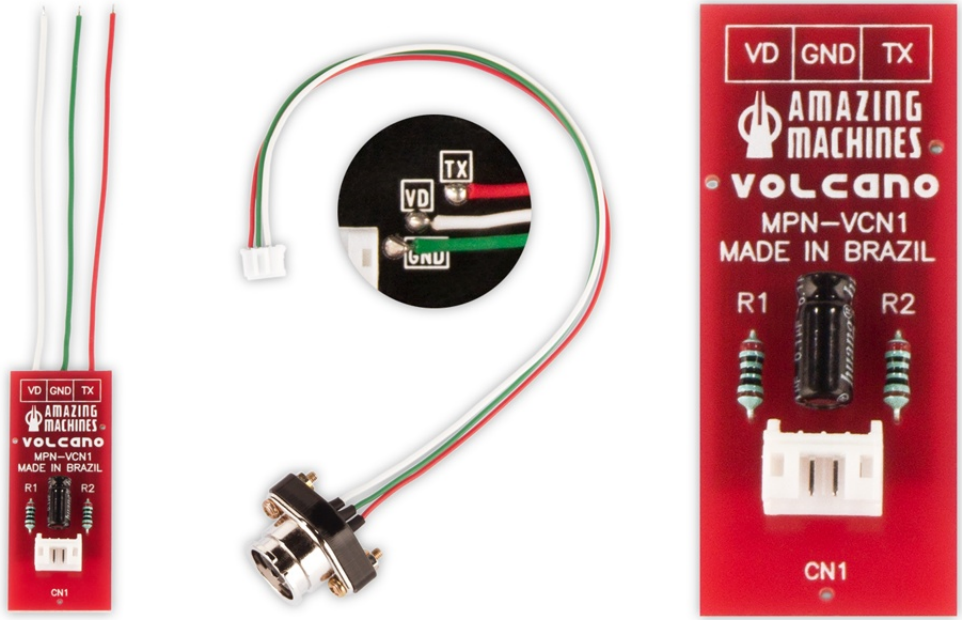
The following pages of this document provide a step by step installation guide for the Volcano Interface, as well as detailed functionality information.



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# CHAPTER 1 - VOLCANO QUICK INSTALLATION GUIDE - VOLCA BEATS

WARNING: Any modification to any KORG Volca will immediately void its warranty.

If you are not sure what you are doing, please ask a technician to do it for you.

Amazing Machines will not accept responsibility for any damages, personal loss or injury that may result from the installation of the Volcano Interface.

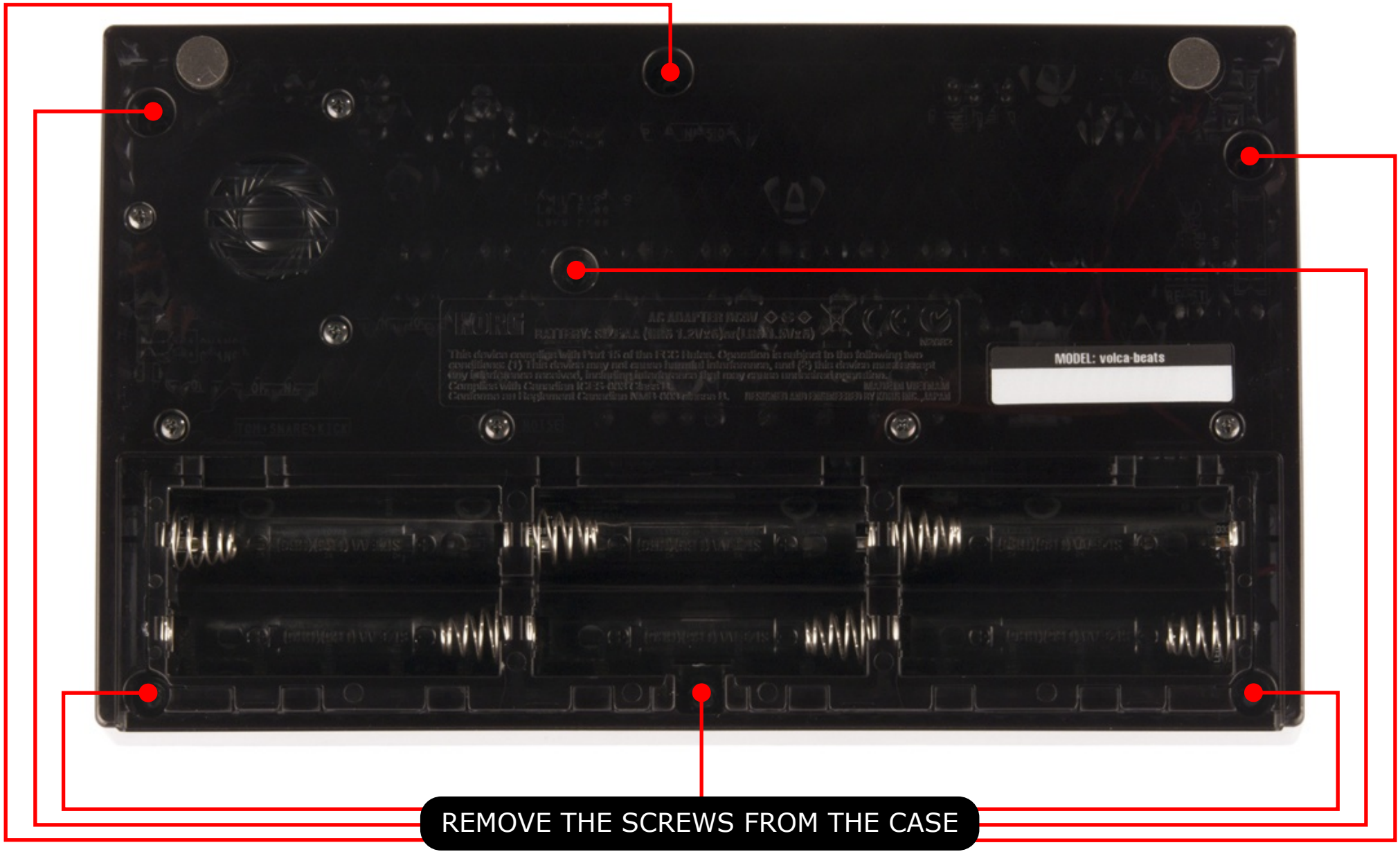
We strongly advise you to read every single page of this chapter before proceeding.

For instructions on how to perform a permanent installation of the Volcano Interface by drilling holes for the MIDI Output connector in the case of your KORG Volca, please refer to the "Volcano Permanent Installation Guide", available at www.amazingmachines.com.br

## Bill of Tools

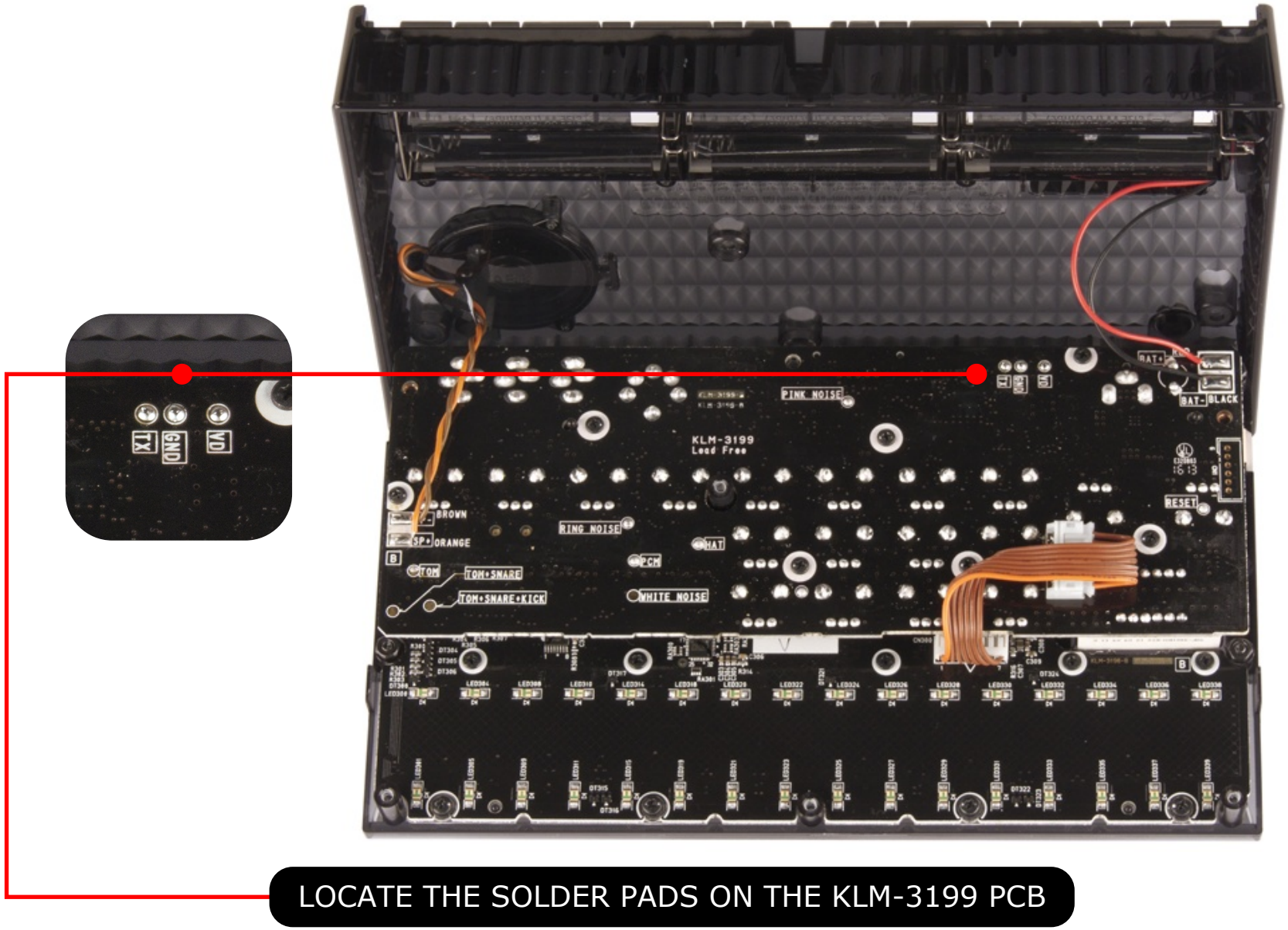
- Medium size Phillips screwdriver
- 60W Soldering iron
- Solder wire
- Medium size flat tip screwdriver
- Flat long nose pliers

# VOLCANO QUICK INSTALLATION - VOLCA BEATS - STEP 1




1.1 - Using a Phillips Screwdriver, remove the screws from the case

# VOLCANO QUICK INSTALLATION - VOLCA BEATS - STEP 2

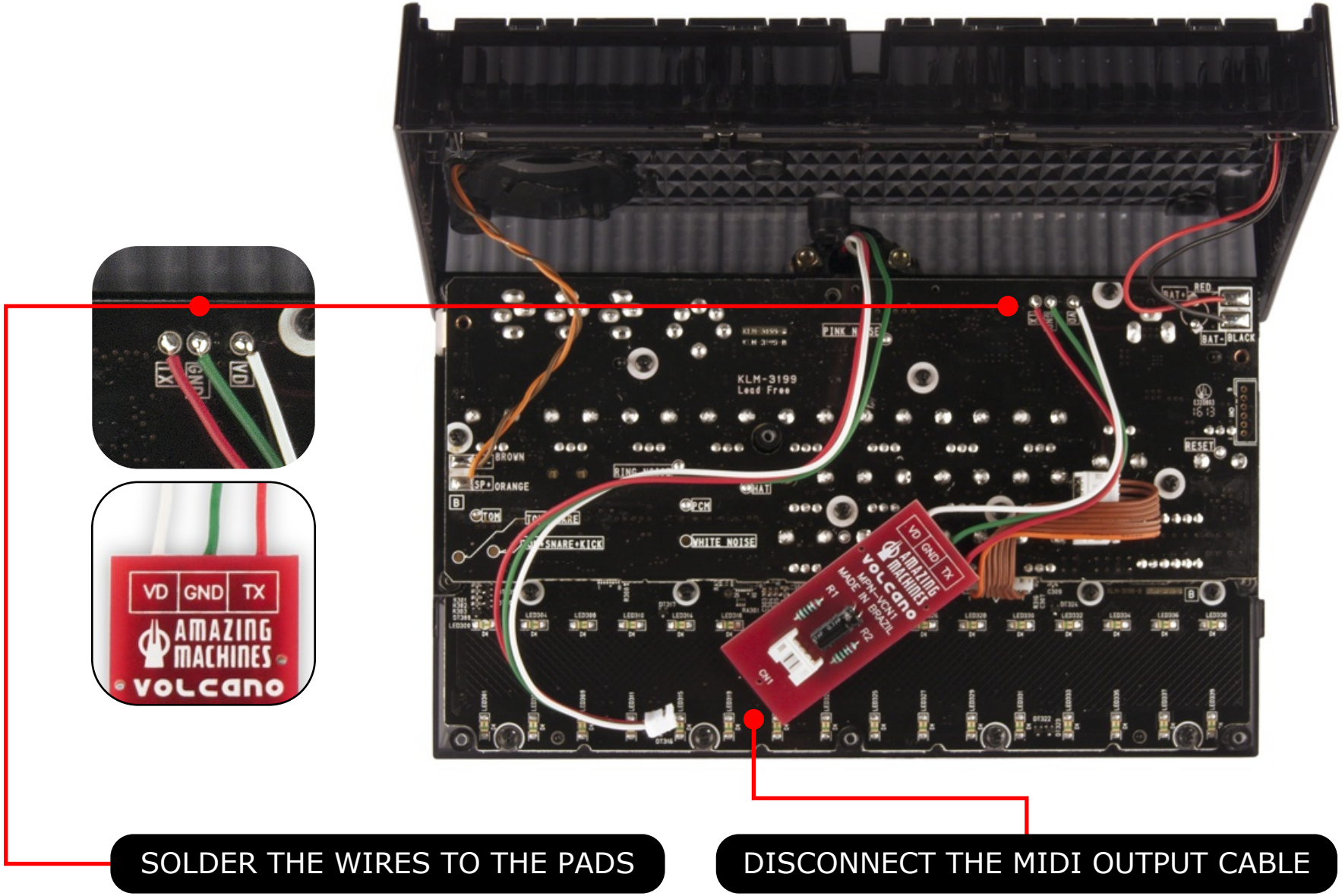



LOCATE THE SOLDER PADS ON THE KLM-3199 PCB

2.1 - Locate the 3 solder pads on the KLM-3199 PCB

2.2 - Add a touch of solder to the pads, be careful not to overheat the circuit board as it may cause irreparable damage to your KORG Volca, do it as fast and precisely as you can

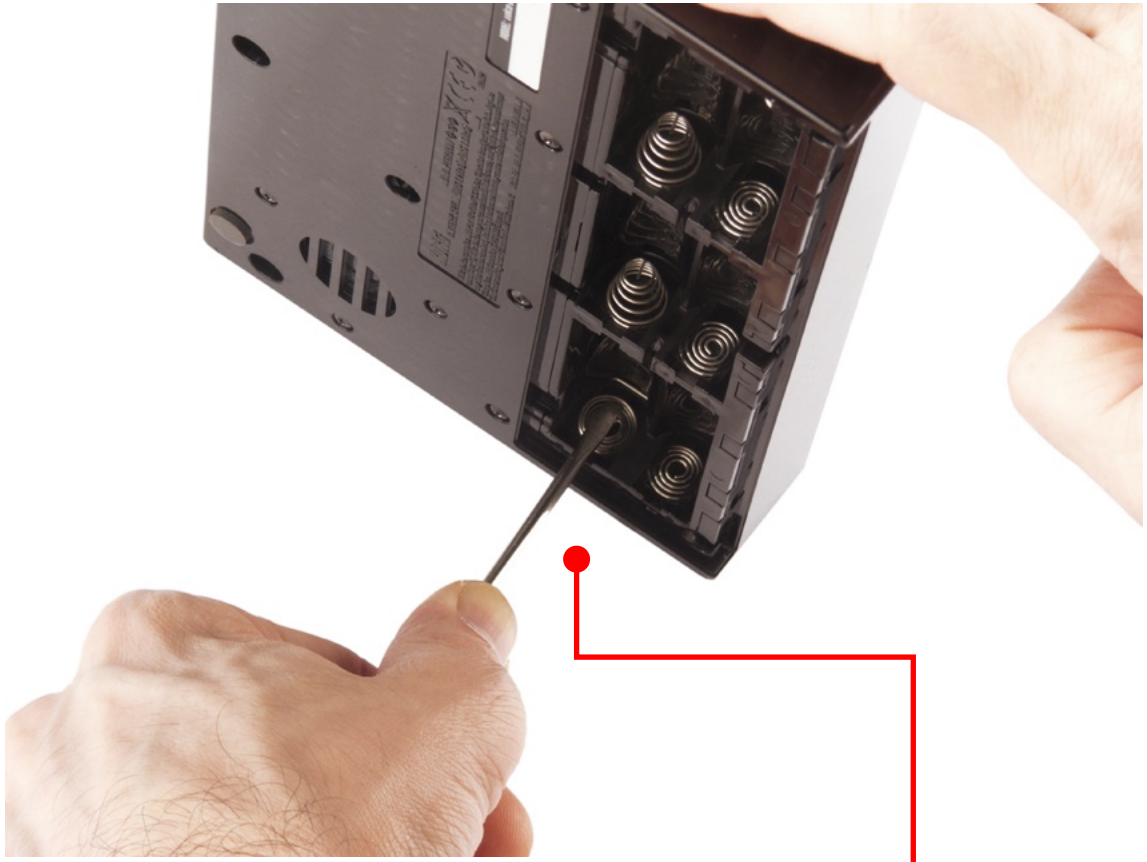
# VOLCANO QUICK INSTALLATION - VOLCA BEATS - STEP 3




3.1 - Solder the wires to the pads following the labels on the Volcano PCB, be careful not to overheat the circuit board as it may cause irreparable damage to your KORG Volca, do it as fast and precisely as you can

3.2 - Disconnect the MIDI Output cable from the Volcano PCB

# VOLCANO QUICK INSTALLATION - VOLCA BEATS - STEP 4



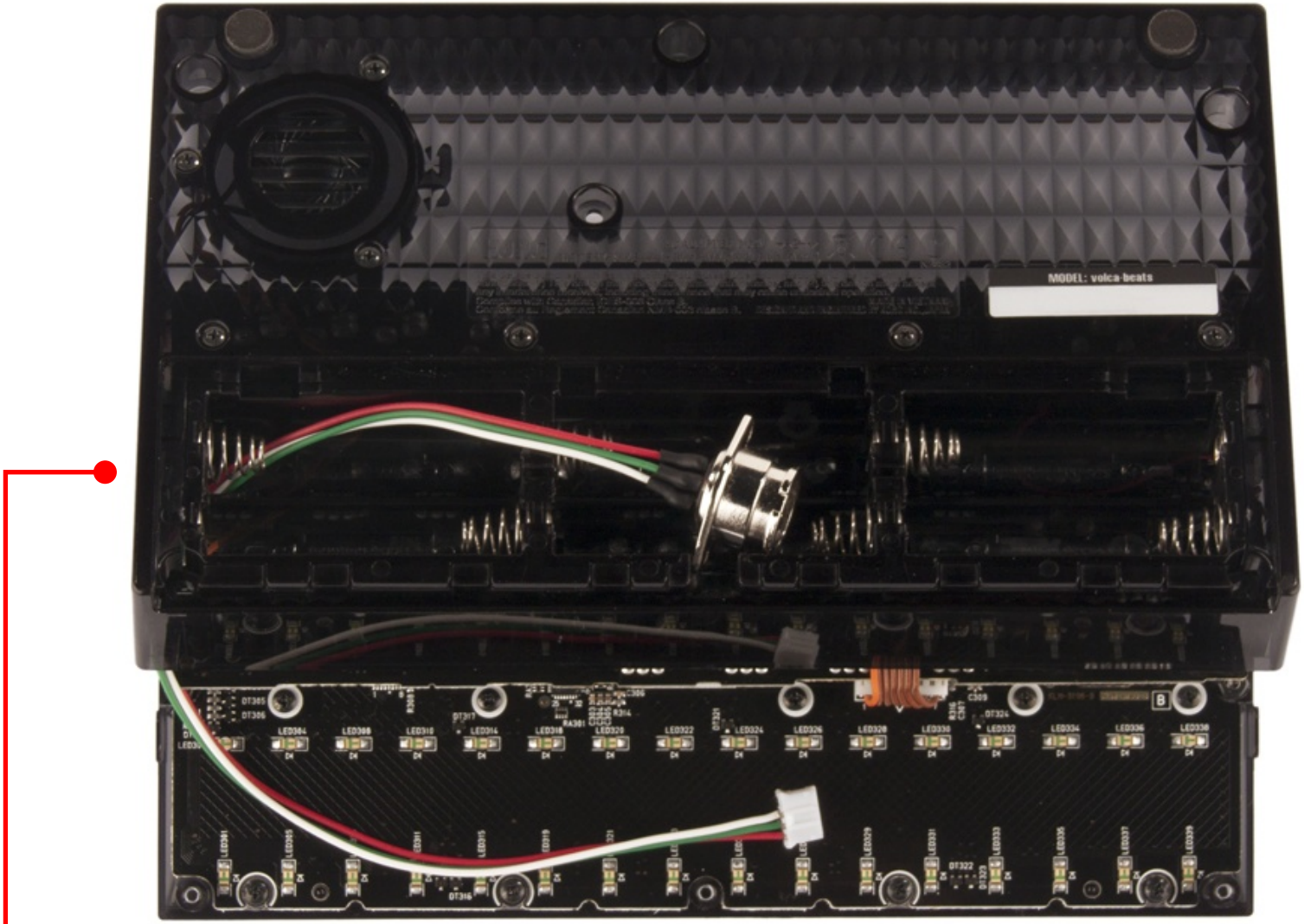
REMOVE THE CUSTOM BUILT SPACER

BENT THE MIDI OUTPUT CABLE

SQUEEZE THE SPRING ON THE BATTERY COMPARTMENT

4.1 - Using a Phillips Screwdriver, remove the Custom Built Spacer from the MIDI Output Connector
4.2 - Bent the MIDI Output cable to an “L” shape
4.3 - Using a Flat Tip Screwdriver, squeeze the spring on the left side of the battery compartment to pass the MIDI Output cable through the hole

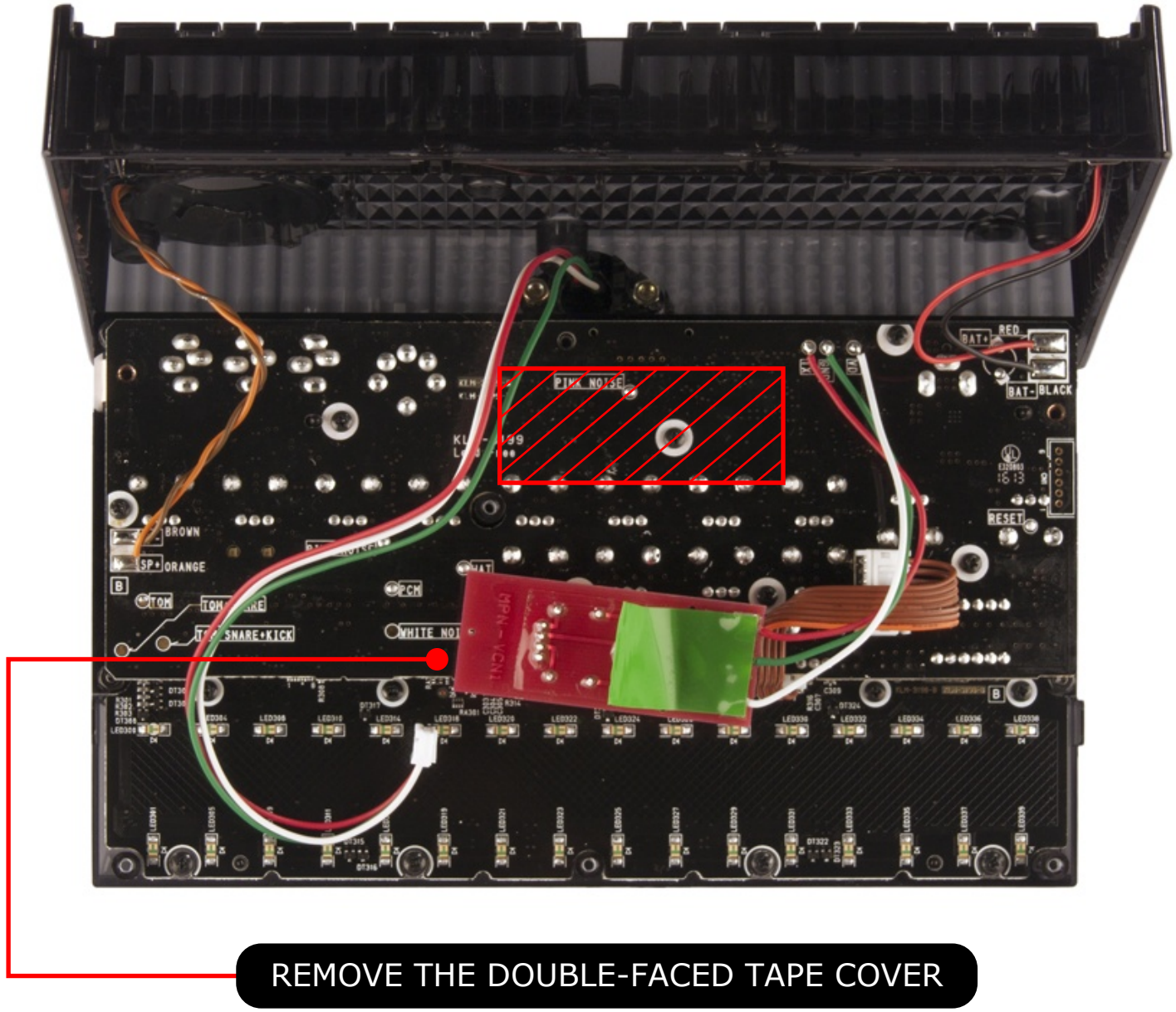
# VOLCANO QUICK INSTALLATION - VOLCA BEATS - STEP 5




PASS THE MIDI OUTPUT CABLE THROUGH THE BATTERY COMPARTMENT HOLE

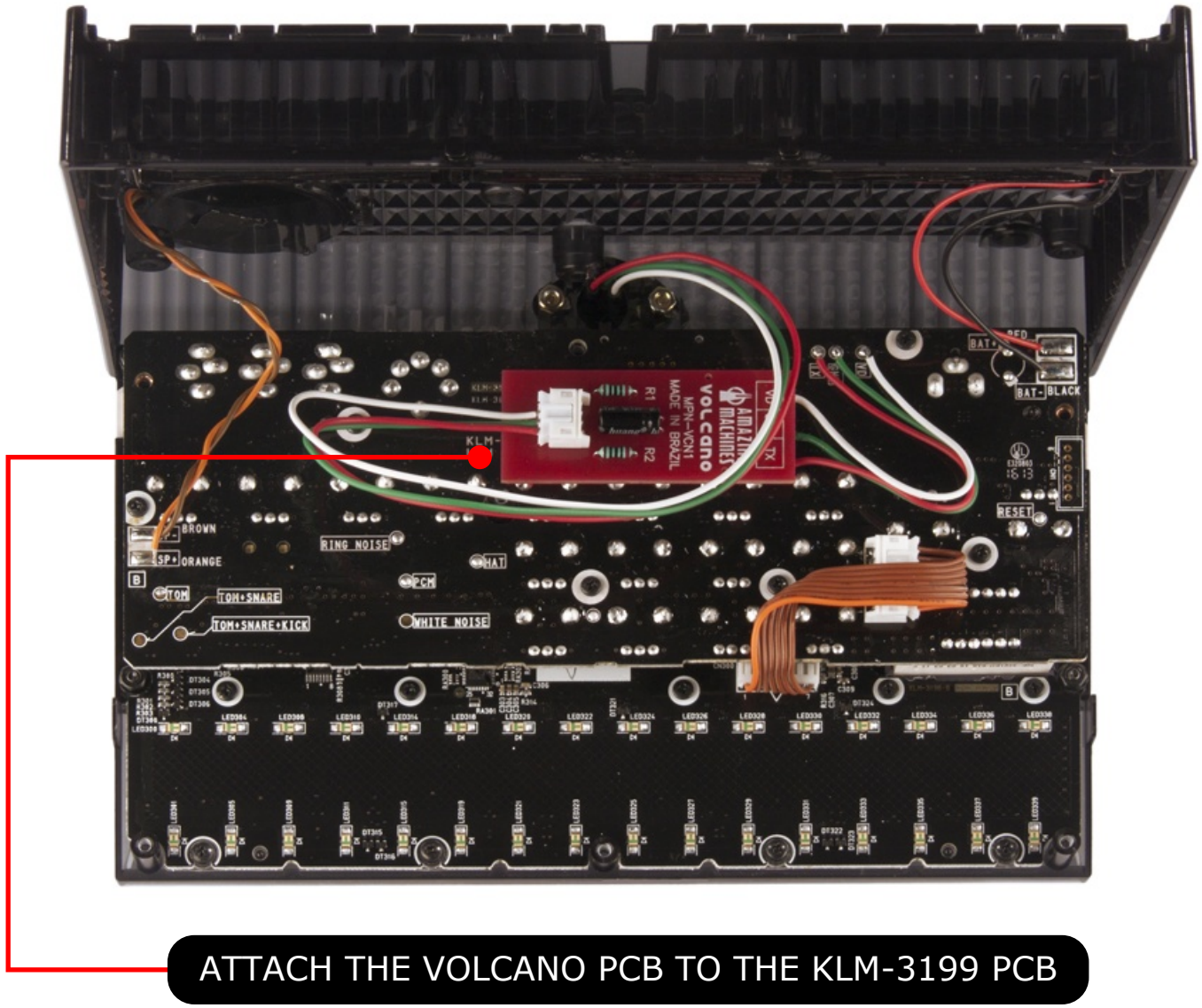
5.1 - Pass the MIDI Output cable through the battery compartment hole

# VOLCANO QUICK INSTALLATION - VOLCA BEATS - STEP 6




6.1 - Remove the double-faced tape cover from the Volcano PCB
6.2 - Locate the best spot to attach the Volcano PCB to the KLM-3199 PCB

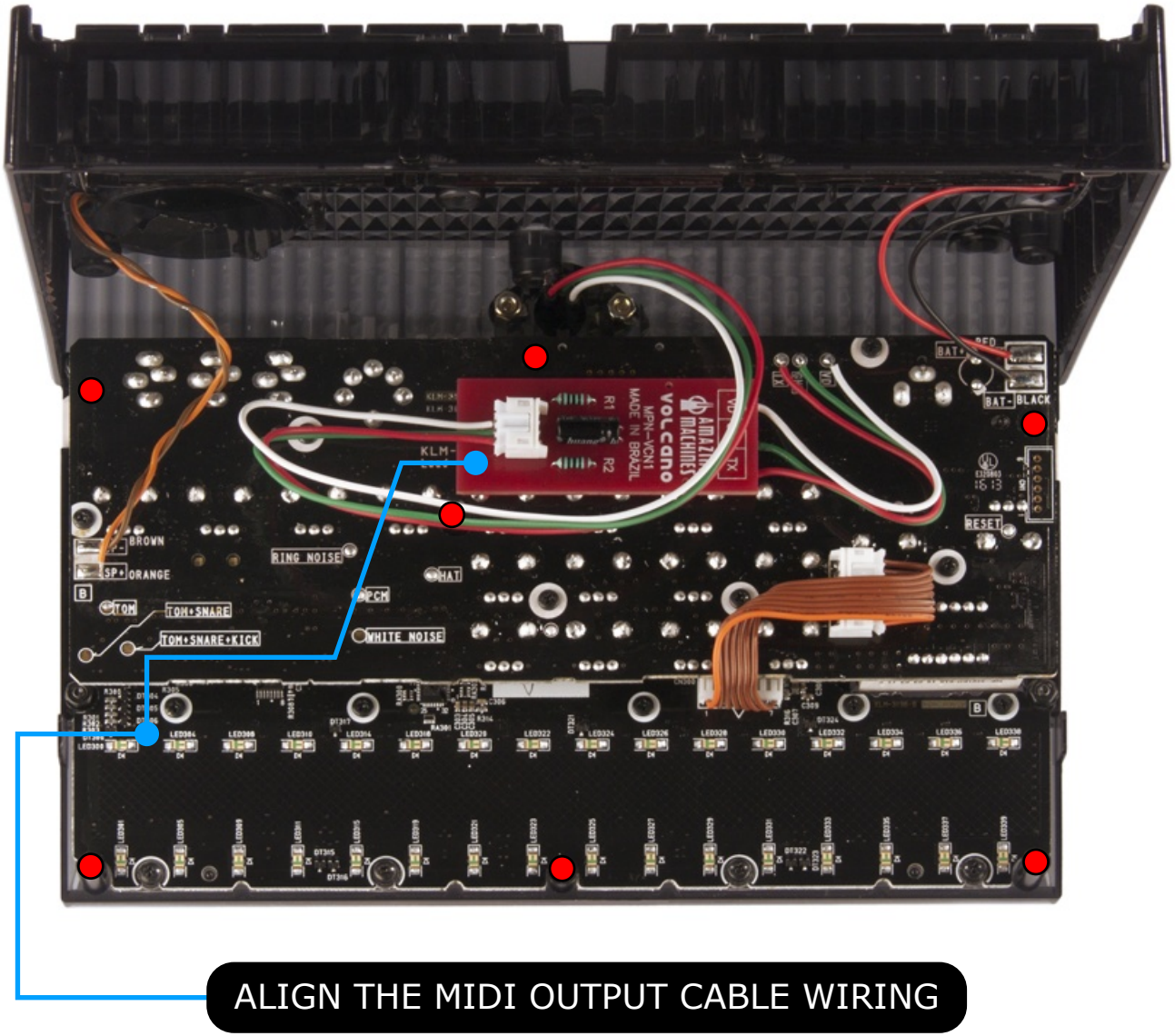
# VOLCANO QUICK INSTALLATION - VOLCA BEATS - STEP 7




7.1 - Attach the Volcano PCB to the KLM-3199 PCB

7.2 - Using a Flat Long Nose Pliers, gently connect the MIDI Output cable to the CN1 Connector on the Volcano PCB, make sure the contacts are properly aligned before using the pliers, don't apply too much strenght to the connectors, in order to avoid smashing the plastic parts

# VOLCANO QUICK INSTALLATION - VOLCA BEATS - STEP 8




8.1 - Align the MIDI Output Cable Wiring before closing the case, make sure no wires are getting smashed by the screw slots marked as red dots in the picture above, otherwise you won't be able to properly close the case, it may also damage the wiring

8.2 - Close the case and reverse Step 1 to finish the installation

# VOLCANO QUICK INSTALLATION DONE - VOLCA BEATS

Congratulations, your Volcano Kit is installaled and ready to use.

For instructions on how to perform a permanent installation of the Volcano Interface by drilling holes for the MIDI Output connector in the case of your KORG Volca, please refer to the “Volcano Permanent Installation Guide”, available at www.amazingmachines.com.br

# CHAPTER 2 - VOLCANO MIDI OUTPUT FUNCTIONALITY - VOLCA BEATS

## Sequencer Output

Start / Stop
MIDI Clock
Note On (Vel 127)
Note Off (Vel 0)
Output Notes - C1, D1,  G1, D2, F#1, A#1, D#1, D#4, G3, C#2

- Motion Recorded Data doesn't appear at the MIDI Output Port
- Stutter Retrigger doesn't appear at the MIDI Output Port
- Muting sequencer parts doesn't mute them at the MIDI Output Port
- The MIDI Output Channel follows the selected MIDI Input Channel

## Part Trigger Buttons Output Notes

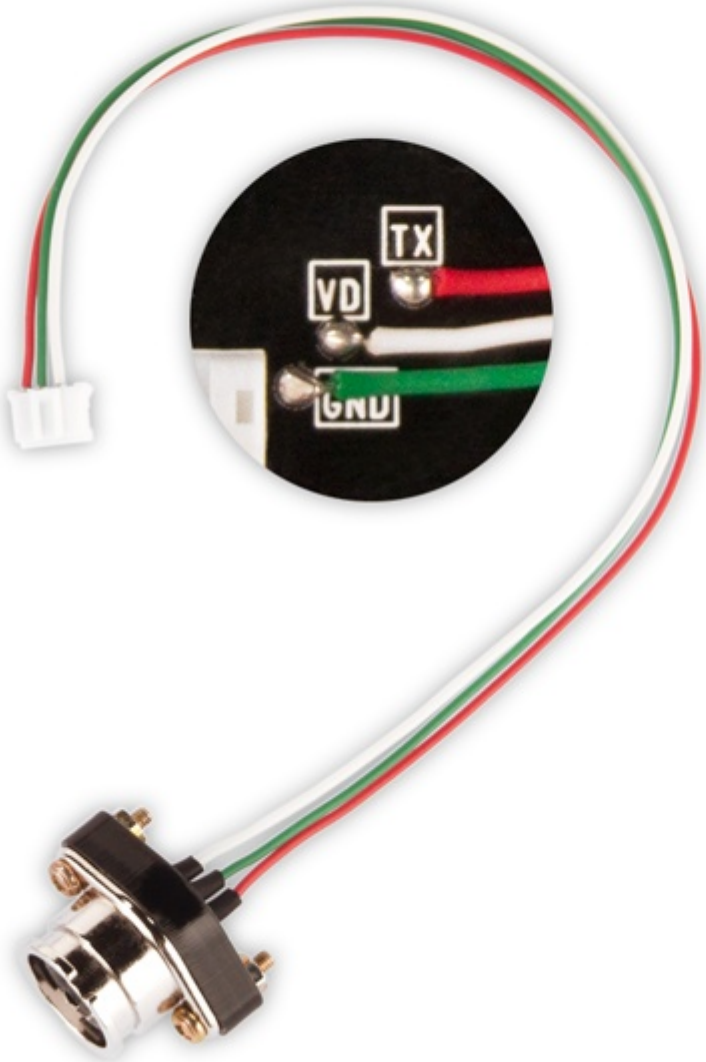
KICK - C1
SNARE - D1
LO TOM - G1
HI TOM - D2
CL HAT - F#1
OP HAT - A#1
CLAP - D#1
CLAVES - D#4
AGOGO - G3
CRASH - C#2

# VOLCANO MIDI OUTPUT FUNCTIONALITY - VOLCA BEATS

## Control Change Output

KICK PART LEVEL - 40
SNARE PART LEVEL - 41
LO TOM PART LEVEL - 42
HI TOM PART LEVEL - 43
CL HAT PART LEVEL - 44
OP HAT PART LEVEL - 45
CLAP PART LEVEL - 46
CLAVES PART LEVEL - 47
AGOGO PART LEVEL - 48
CRASH PART LEVEL - 49
CLAP PCM SPEED - 50
CLAVES PCM SPEED - 51
AGOGO PCM SPEED - 52
CRASH PCM SPEED - 53
STUTTER TIME - 54
STUTTER DEPTH - 55
TOM DECAY - 56
HAT CLOSED DECAY - 57
HAT OPEN DECAY - 58
HAT GRAIN - 59

VD
GND
TX
AMAZING MACHINES
volcano
MPN–VCN1
MADE IN BRAZIL
R1
R2
CN1


TX
VD
GND

VD
GND
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AMAZING MACHINES
volcano
MPN–VCN1
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R1
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CN1