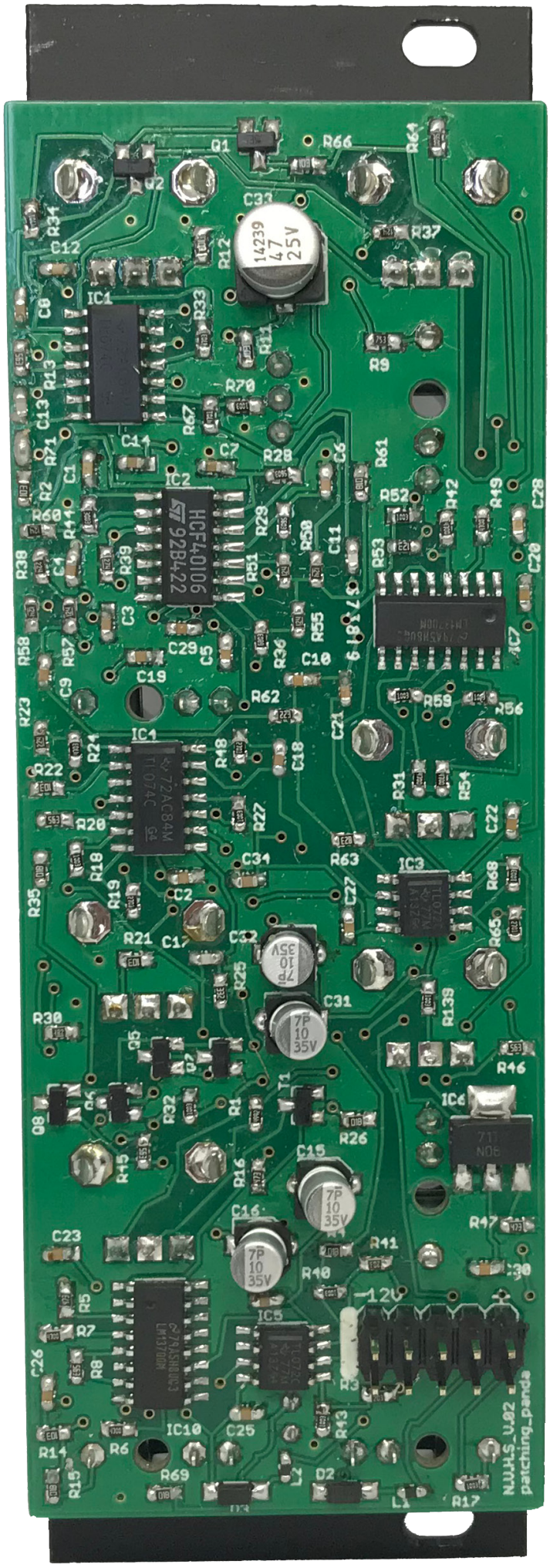
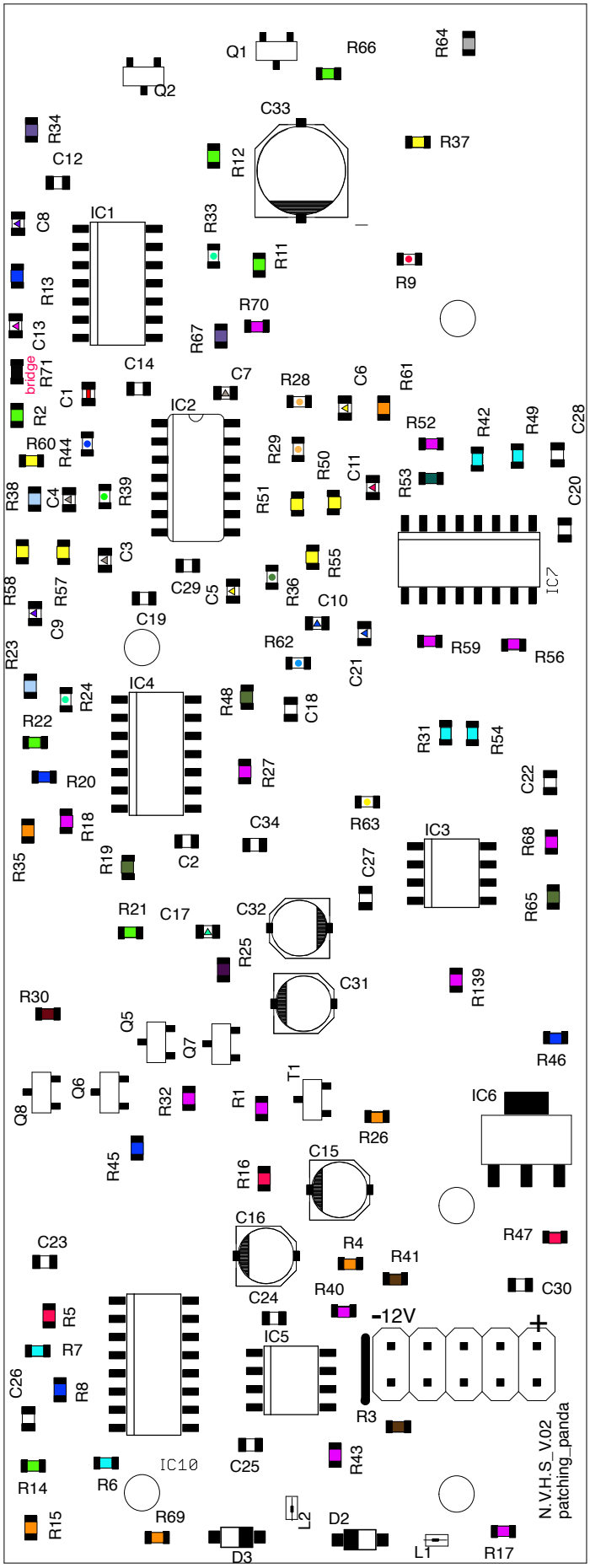
NOTE: This is a full SMD DIY Kit. If you are not familiar with this type of assembly, please look for information about it before.

HIGH GRADE

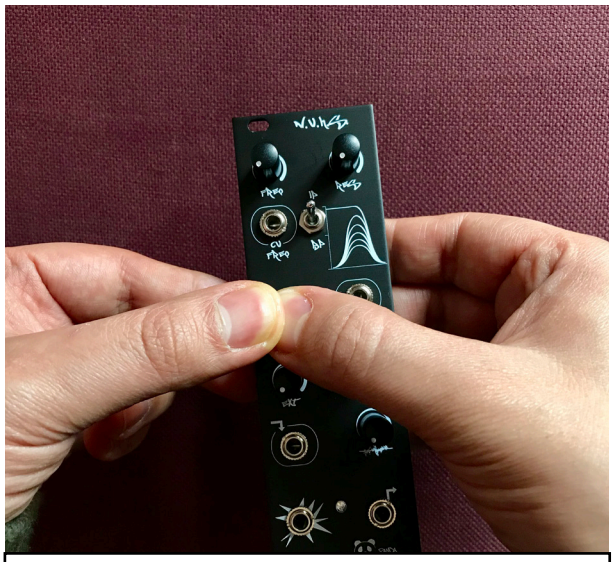




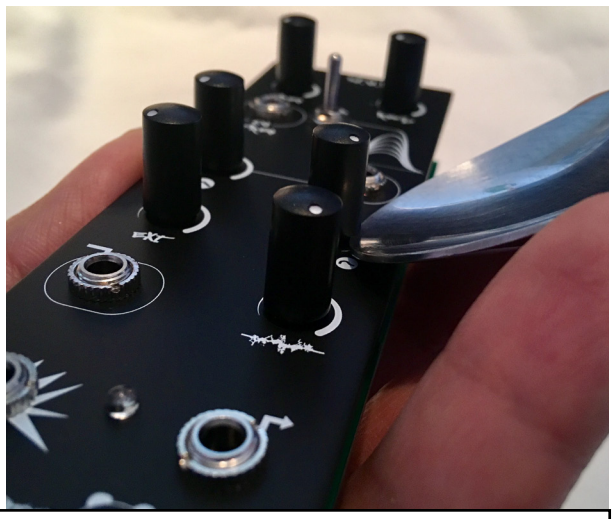
Parts	Qty	Value
R71 MAKE A BRIDGE		
L1, L2	2	
R6, R7, R31, R42, R49, R54	6	470R
R64	1	560R
R4, R15, R26, R35, R61, R69	6	1k
R30	1	1k8
R19, R48, R65	3	2k7
R25	1	3k3
R34, R67,	2	4k7
R2, R11, R12, R14, R21, R22, R66	7	10k
R53	1	12k
R3, R41	2	20k
R62	1	22k
R8, R13, R20, R45, R46	5	56k
R16, R47, R5	3	47k
R9	1	75K
R63	1	82k
R1, R17, R18, R27, R32, R40, R43, R52, R56, R59, R68, R70, R139	13	100k
R37, R50, R51, R55, R57, R58, R60	7	120k
R38, R23	2	220k
R39	1	270k
R44	1	300k
R24, R33	2	470k
R28, R29	2	560k
R36	1	680k
C17	1	100pF
C11	1	220pF
C13	1	330pF
C8, C9	2	1nF
C10, C21	2	3n3
C5, C6	2	10nF
C3, C4, C7	3	18nF
C1	1	22nF
C2, C12, C14, C18, C19, C20, C22, C23, C24, C25, C26, C27, C28, C29, C30, C34	16	100nF
C15, C16, C31, C32	4	10uF
C33	1	47uF
IC1, IC4	2	TL074D
IC3, IC5	2	TL072D
IC7, IC10	2	LM13700M
IC2	1	40106D
IC6	1	LM1117-5.0
Q5, Q6	2	BC847
Q1, Q2, Q7, Q8, T1	5	BC857
D2, D3	2	1N5819HW
LED2	1	Purple led
CV_IN, DECAY_CV1, IN, OUT, TRIGGER1	5	THONKICONN
EXT, NOISE CUTOFF, DECAY1, LOG_LIN1, RESONANCE	6	100kb
S2	1	submini-2T
POWER	1	M05X2PTH

IMPORTANT!!
BEFORE INSERTING THE KNOBS MAKE SURE EVERYTHING IS WORKING FINE. ONCE YOU INSERT THE KNOB THEY ARE VERY HARD TO REMOVE AGAIN FROM TALL TRIMMER POTS AND IT´S VERY EASY TO DAMAGE THE POTS IN THE PROCESS.
I´VE ADDED POTS WITH WHITE MARK IF YOU WANT TO BE ON THE SAFE SIDE, HOWEVER IF YOU REALLY WANT TO ADD THE KNOBS FOLLOW THIS STEPS AT YOUR OWN RISK.

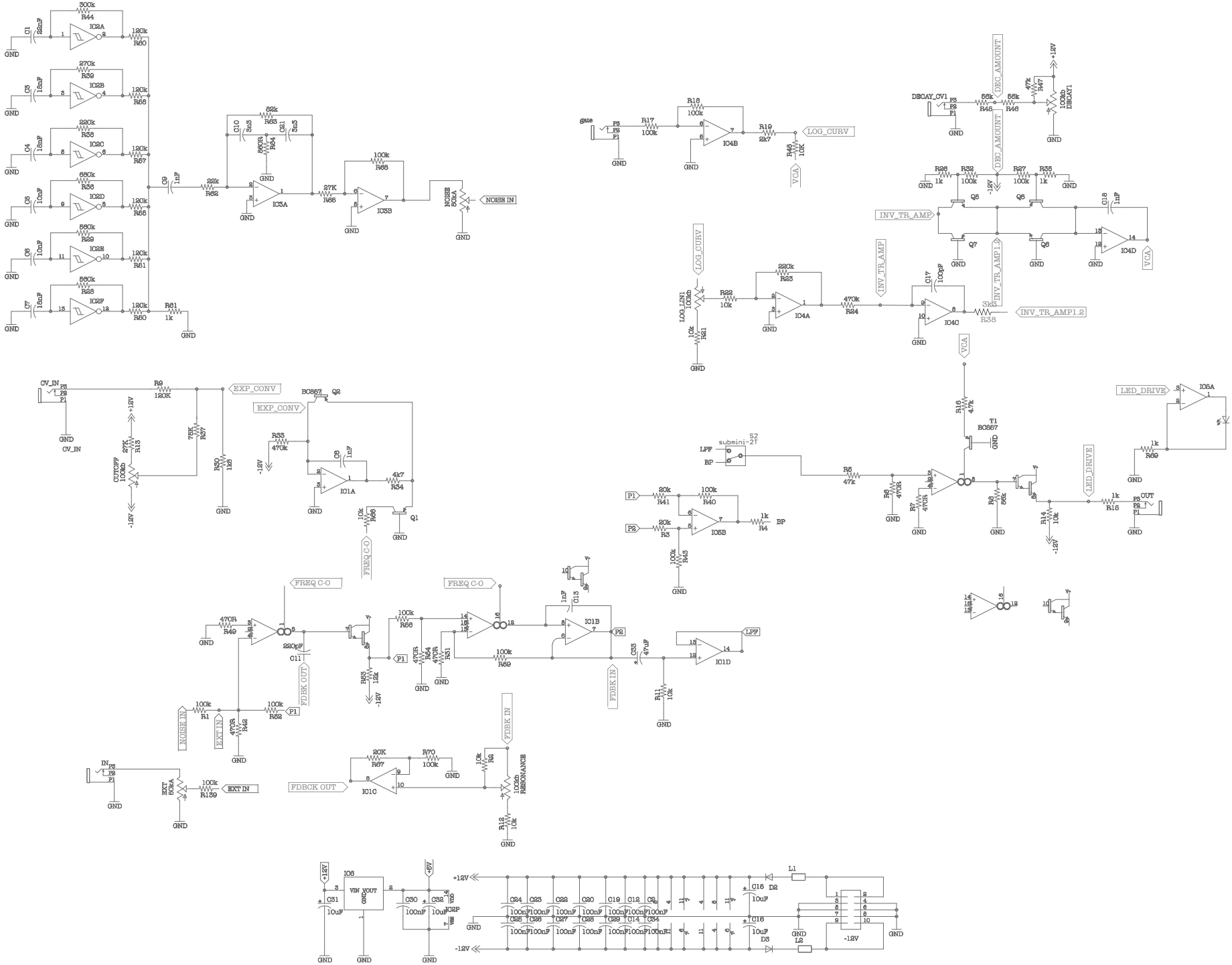
1. Make sure the module is working as expected.



2 . Push down gently helping you with both hands.



IF FOR SOME REASON YOU WANT TO TAKE IT OUT USE A SPOON TO MAKE A LEVER.


IC2A
IC2B
IC2C
IC2D
IC2E
IC2F
IC3A
IC3B
IC4A
IC4B
IC4C
IC4D
IC5A
IC5B
IC1A
IC1B
IC1C
IC1D
IC6
VIN VOUT
GND
NOISE IN
EXT IN
EXP_CONV
LOG_CURV
VGA
DEC_AMOUNT
DECAY_CV1
INV_TR_AMP
INV_TR_AMP1.2
LED_DRIVE
FREQ C-O
FDBK OUT
FDBK IN
FDBCK OUT
CV_IN
CUTOFF 100kΩ
RESONANCE 100kΩ
LPF
BP
OUT
S2
submini-2T
T1
BC857
Q1
Q2
Q5
Q6
Q7
L1
L2
D2
D3
+12V
-12V
+5V