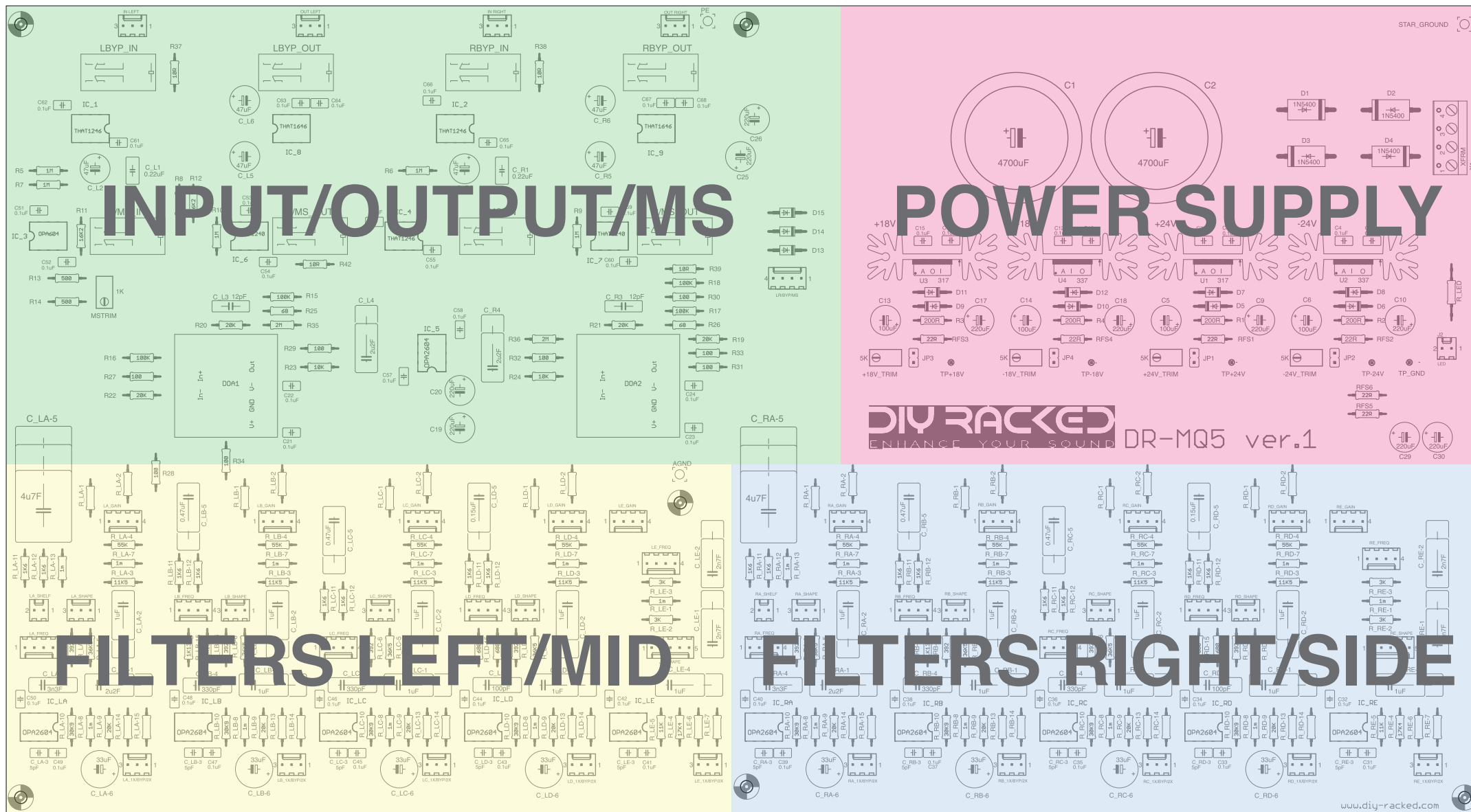


DR-MQ5 PCB OVERVIEW

BOARD CONSISTS OF 4 BLOCKS:

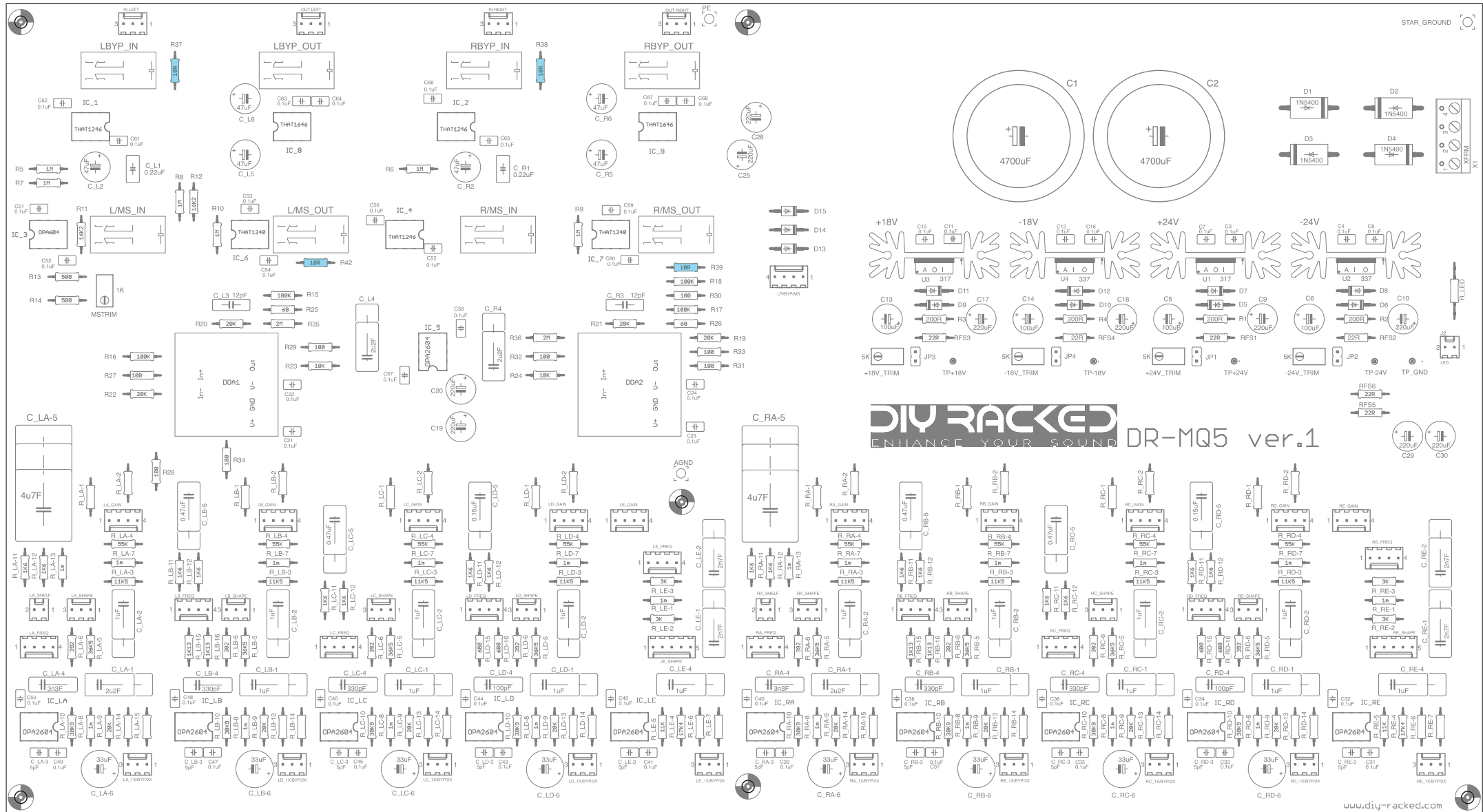
- 1 INPUT/OUT/MS
- 2 POWER SUPPLY
- 3 FILTERS LEFT/MID
- 4 FILTERS RIGHT/SIDE



STEP 1

RESISTORS 10R (4 pieces)

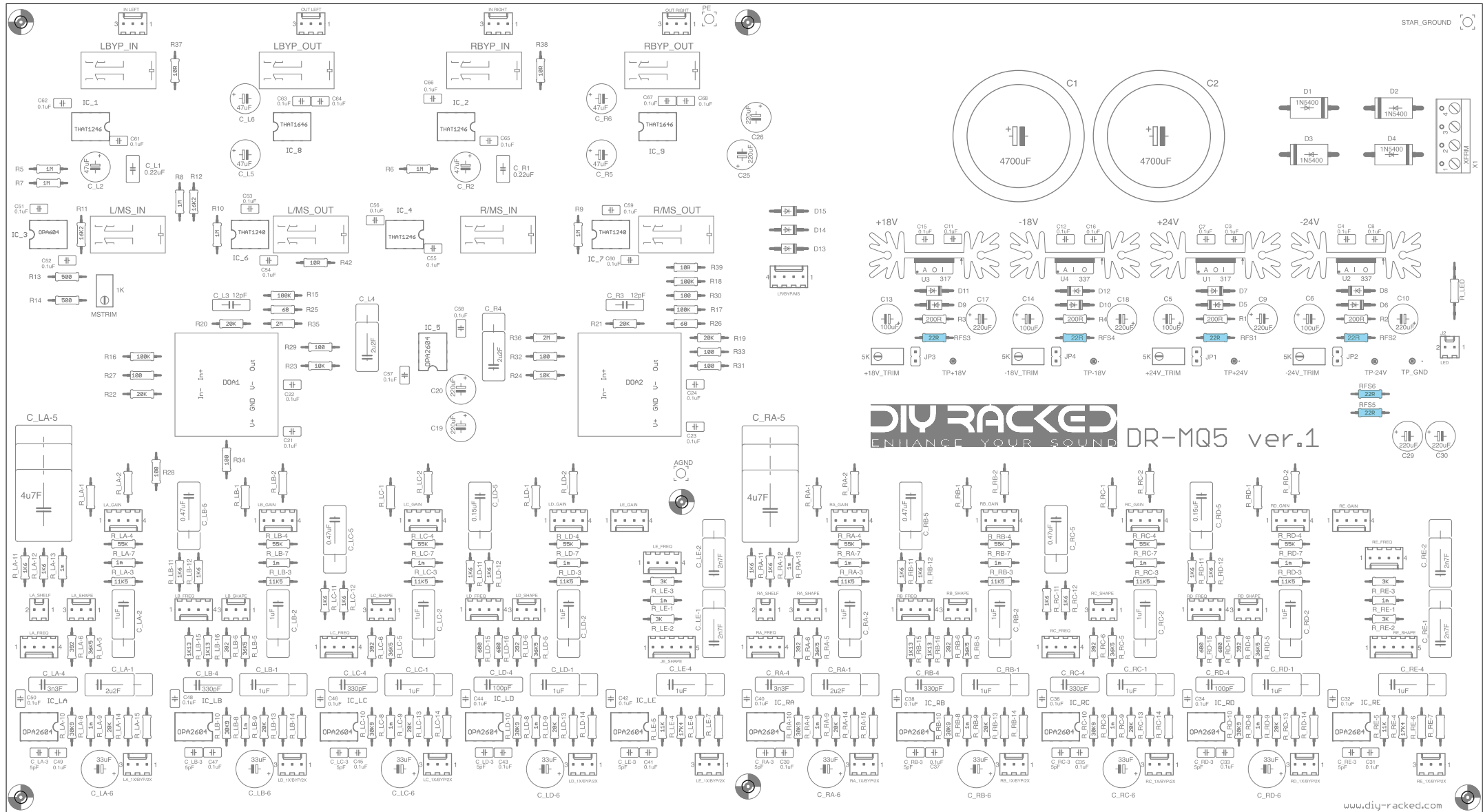
R37, R38, R39, R42



STEP 2

RESISTORS 22R (6 pieces)

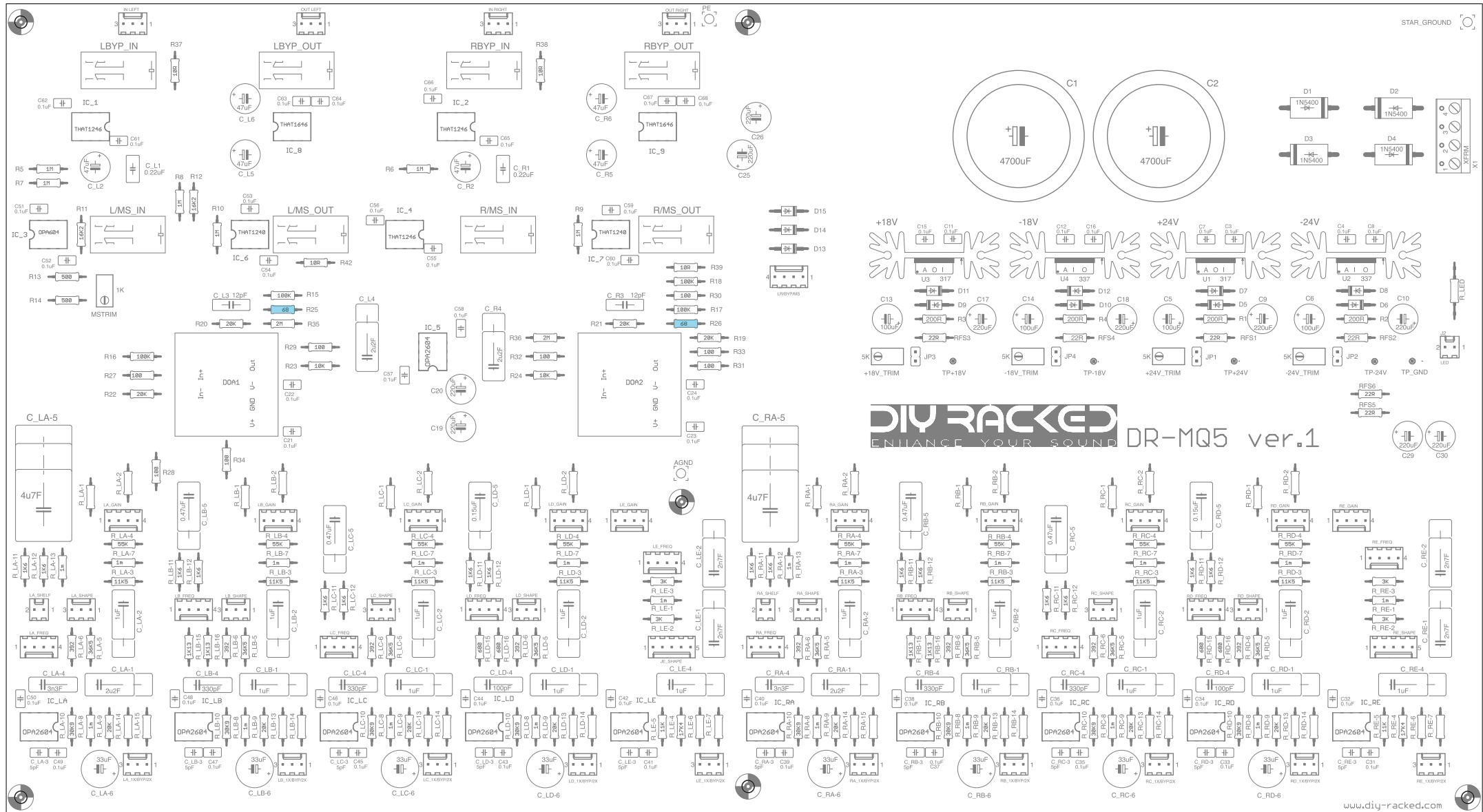
RFS1, RFS2, RFS3, RFS4, RFS5, RFS6



STEP 3

RESISTORS 68R (2 pieces)

R25, R26



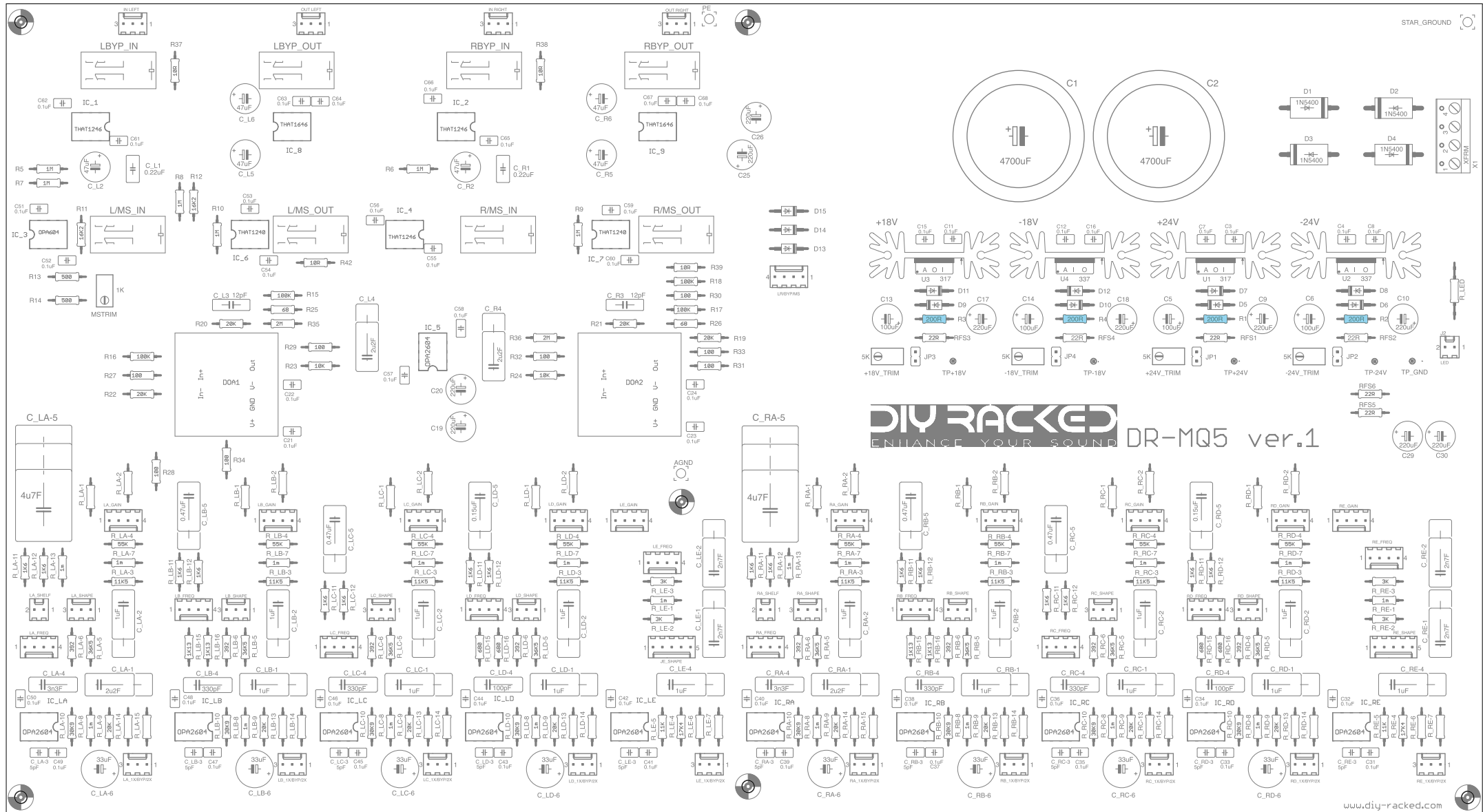
R27, R28, R29, R30, R31, R32, R33, R34



STEP 5

RESISTORS 200R (4 pieces)

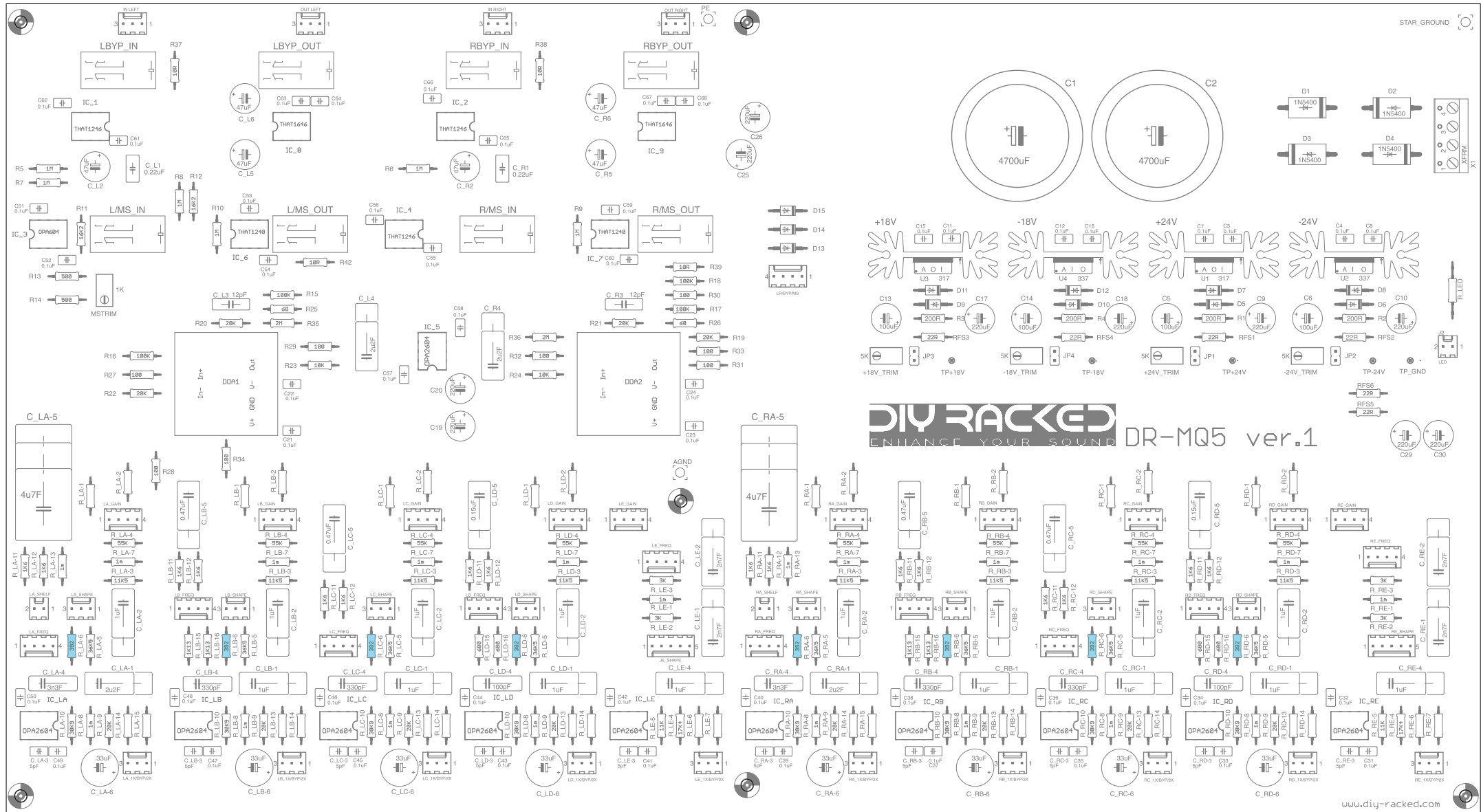
R1, R2, R3, R4



STEP 6

RESISTORS 392R (8 pieces)

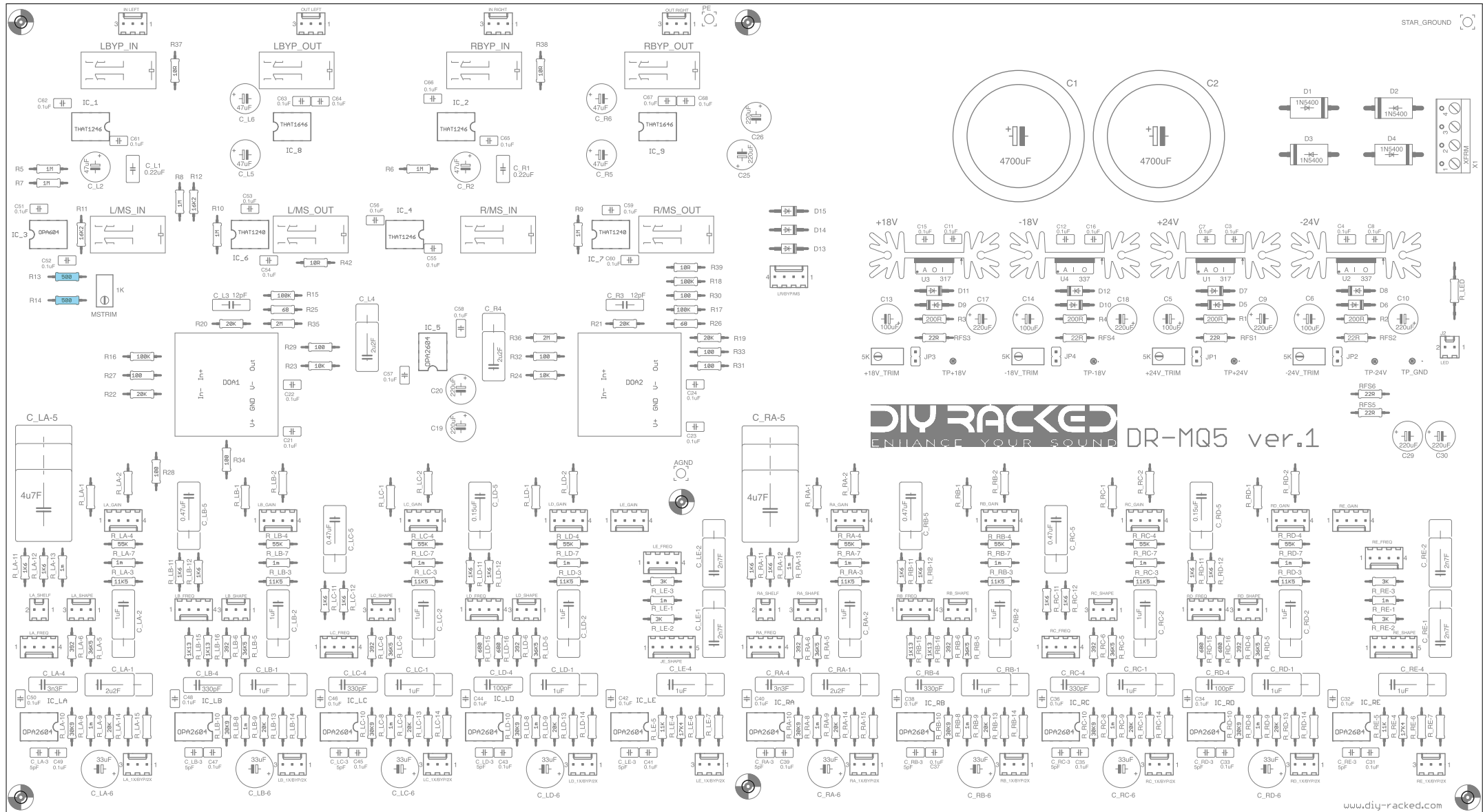
R_LA-6, R_LB-6, R_LC-6, R_LD-6, R_RA-6, R_RB-6, R_RC-6, R_RD-6



STEP 7

RESISTORS 500R (2 pieces)

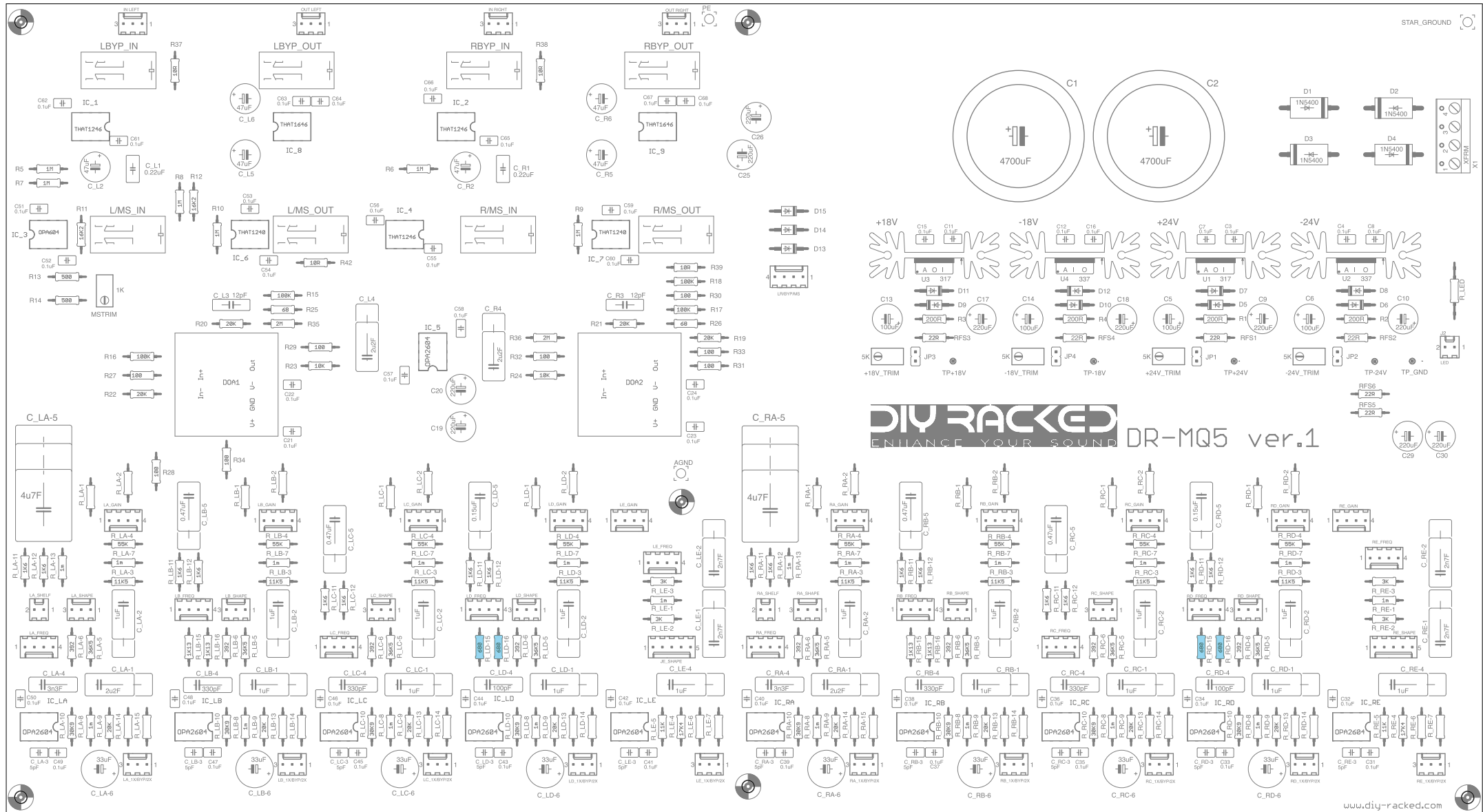
R13, R14



STEP 8

RESISTORS 680R (4 pieces)

R_LD-15, R_LD-16, R_RD-15, R_RD-16



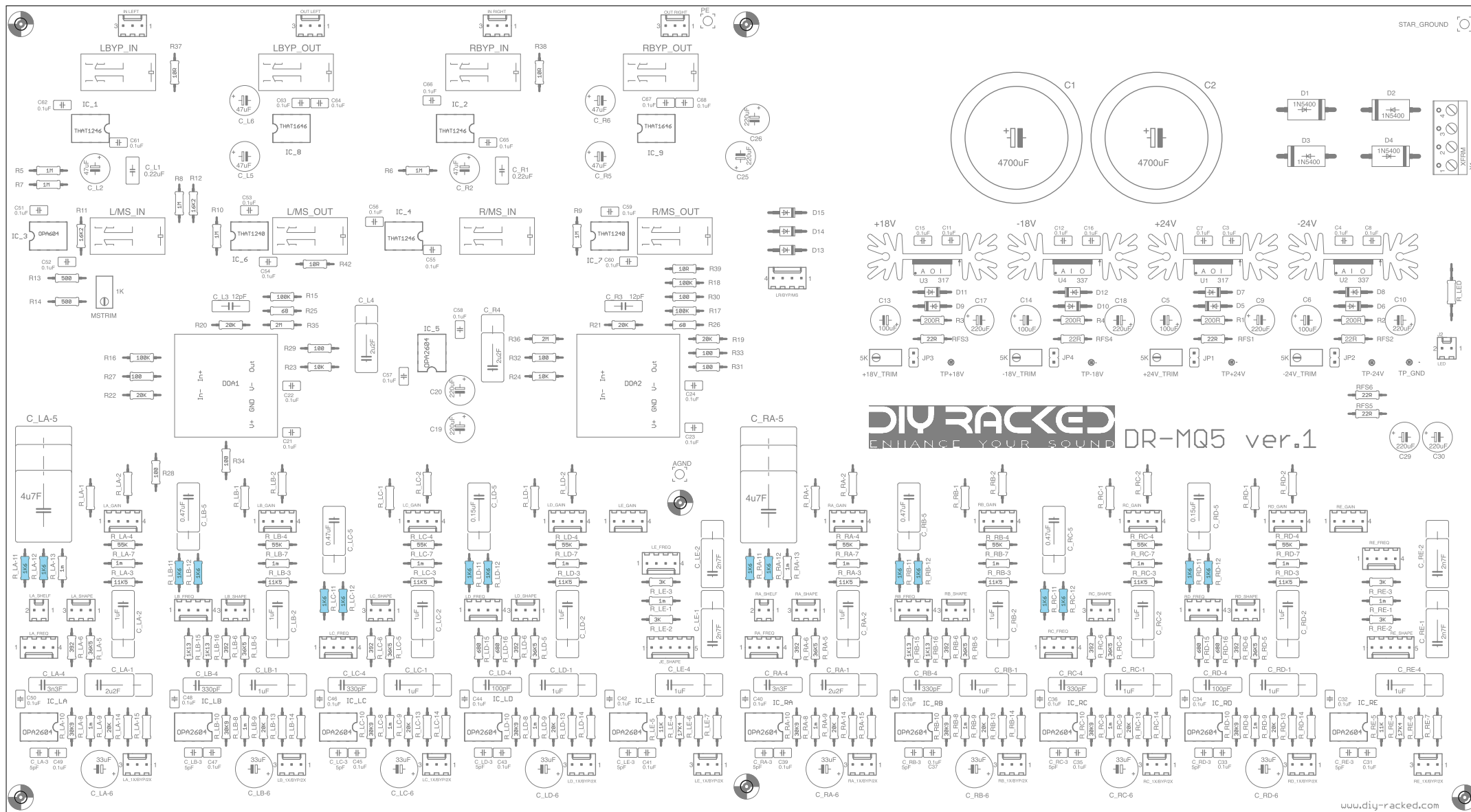
R_LB-15, R_LB-16, R_RB-15, R_RB-16



STEP 10

RESISTORS 1K6 (16 pieces)

R_LA-11, R_LA-12, R_LB-11, R_LB-12, R_LC-11, R_LC-12, R_LD-11, R_LD-12,
R_RA-11, R_RA-12, R_RB-11, R_RB-12, R_RC-11, R_RC-12, R_RD-11, R_RD-12

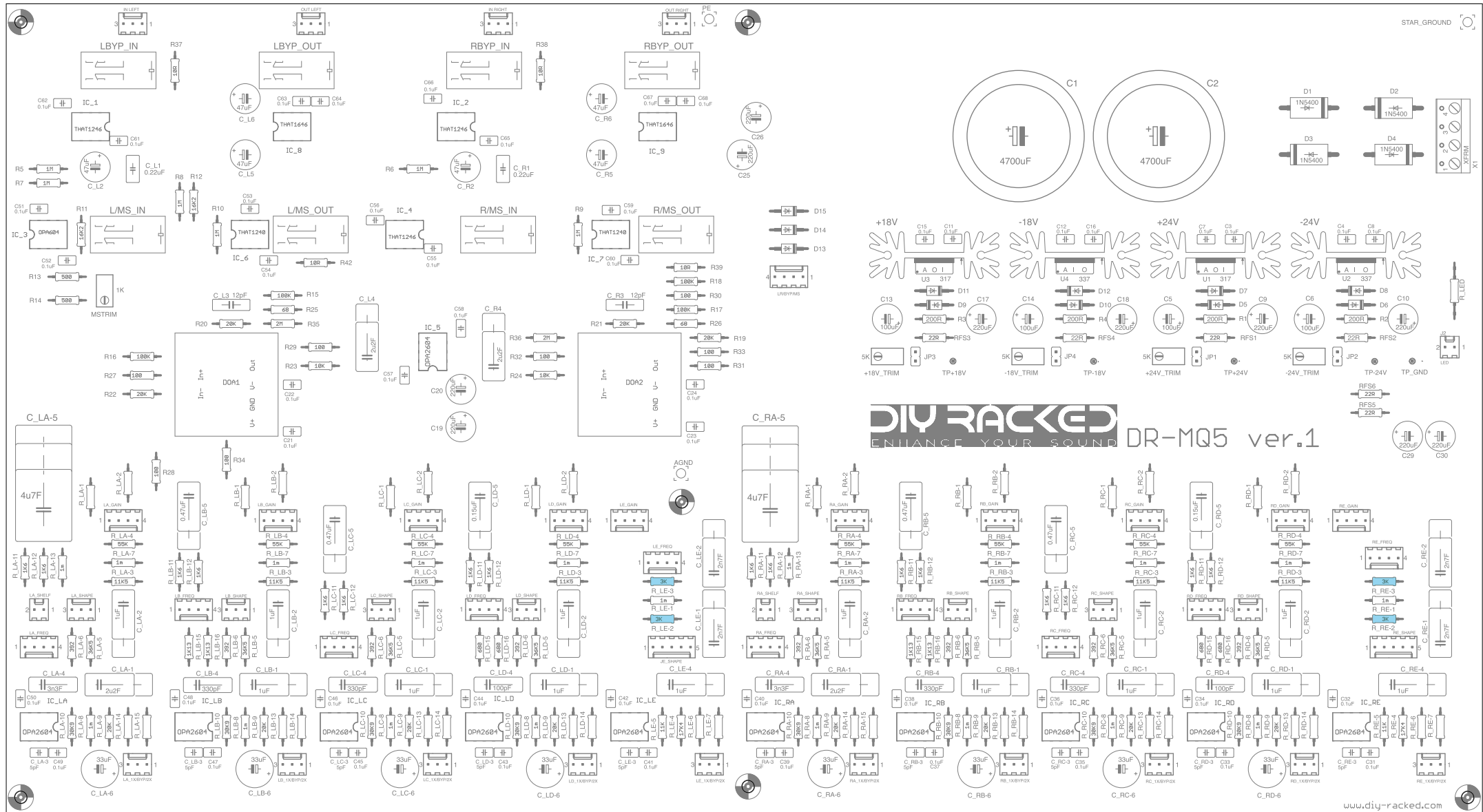


DIY RACKED
ENHANCE YOUR SOUND
DR-MQ5 ver.1

STEP 11

RESISTORS 3K (4 pieces)

R_LE-2, R_LE-3, R_RE-2, R_RE-3



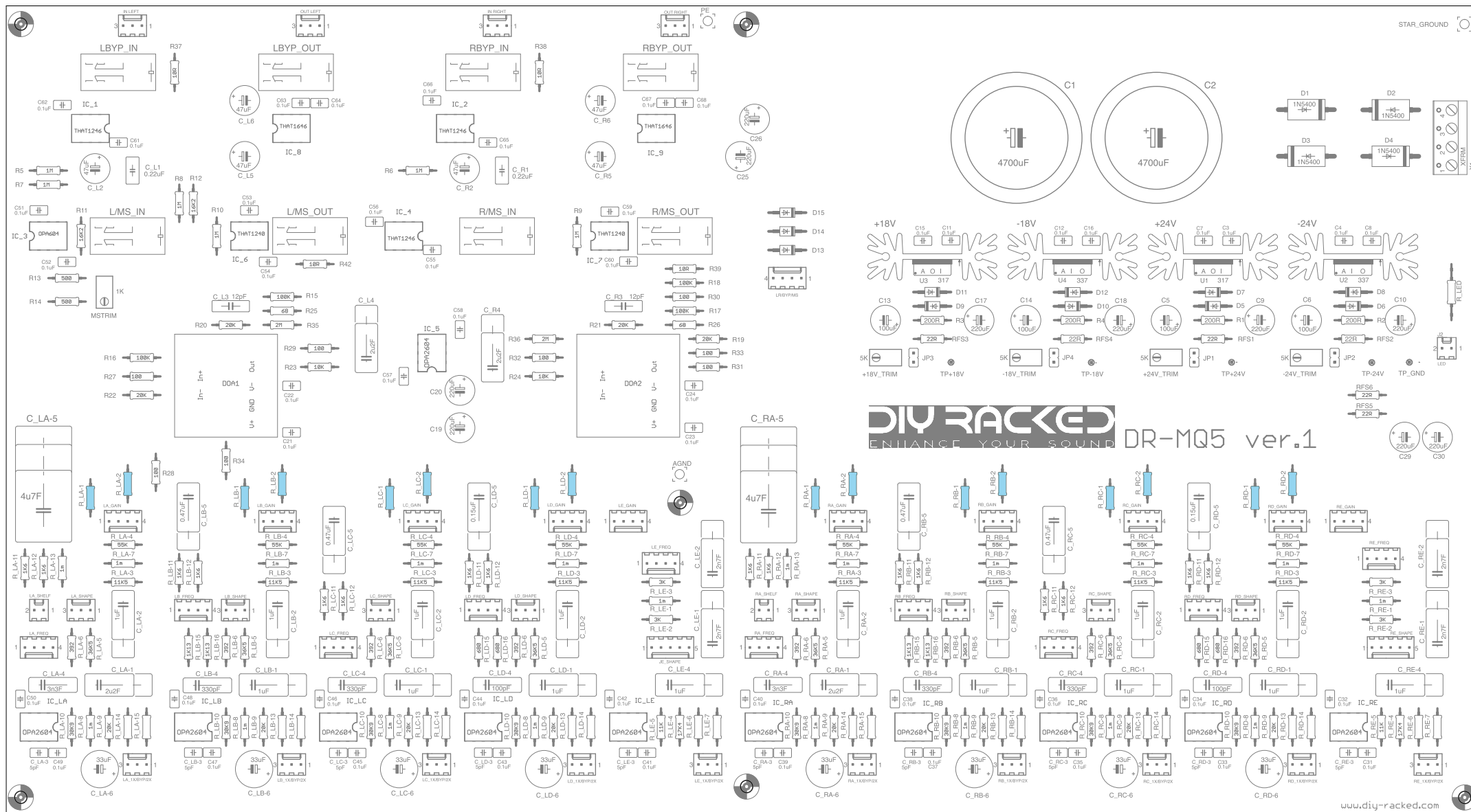
DIY RACKED
ENHANCE YOUR SOUND

DR-MQ5 ver.1

STEP 12

RESISTORS 4K7 (16 pieces)

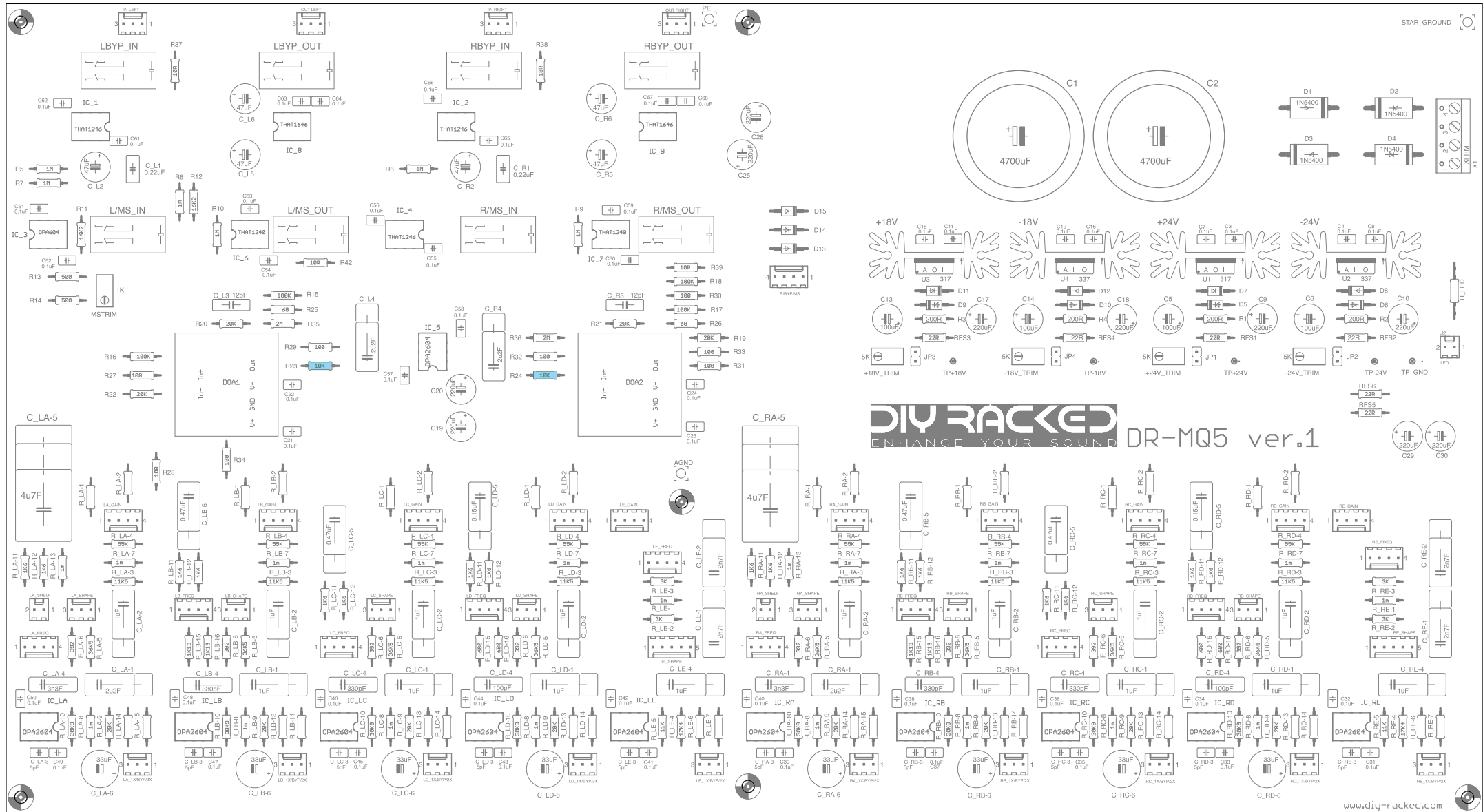
R_LA-1, R_LA-2, R_LB-1, R_LB-2, R_LC-1, R_LC-2, R_LD-1, R_LD-2,
R_RA-1, R_RA-2, R_RB-1, R_RB-2, R_RC-1, R_RC-2, R_RD-1, R_RD-2



STEP 13

RESISTORS 10K(2 pieces)

R23, R24



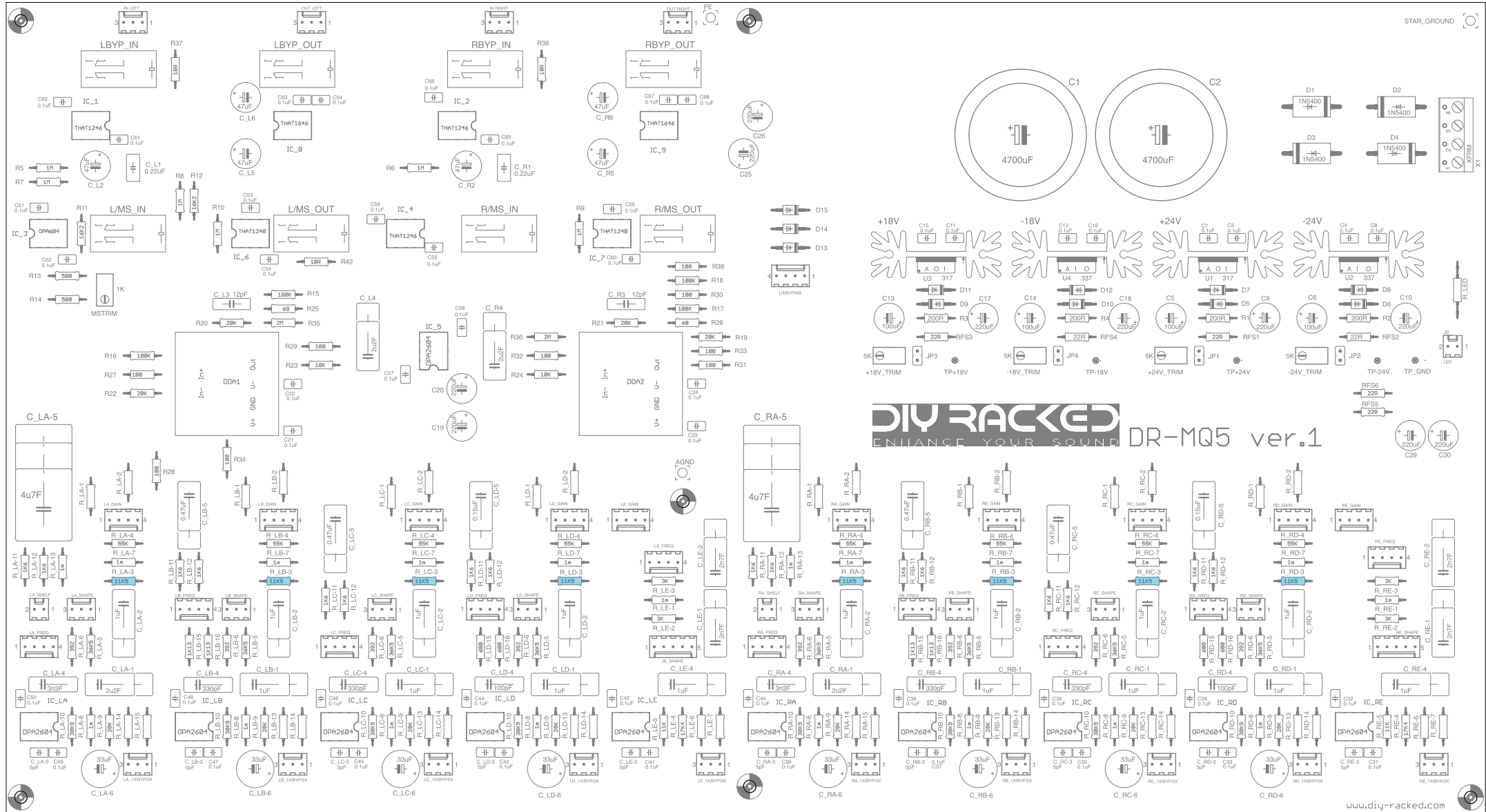
RESISTORS 11K(2 pieces)
R_LE-5, R_RE-5



STEP 15

RESISTORS 11K5 (8 pieces)

R_LA-3, R_LB-3, R_LC-3, R_LD-3, R_RA-3, R_RB-3, R_RC-3, R_RD-3



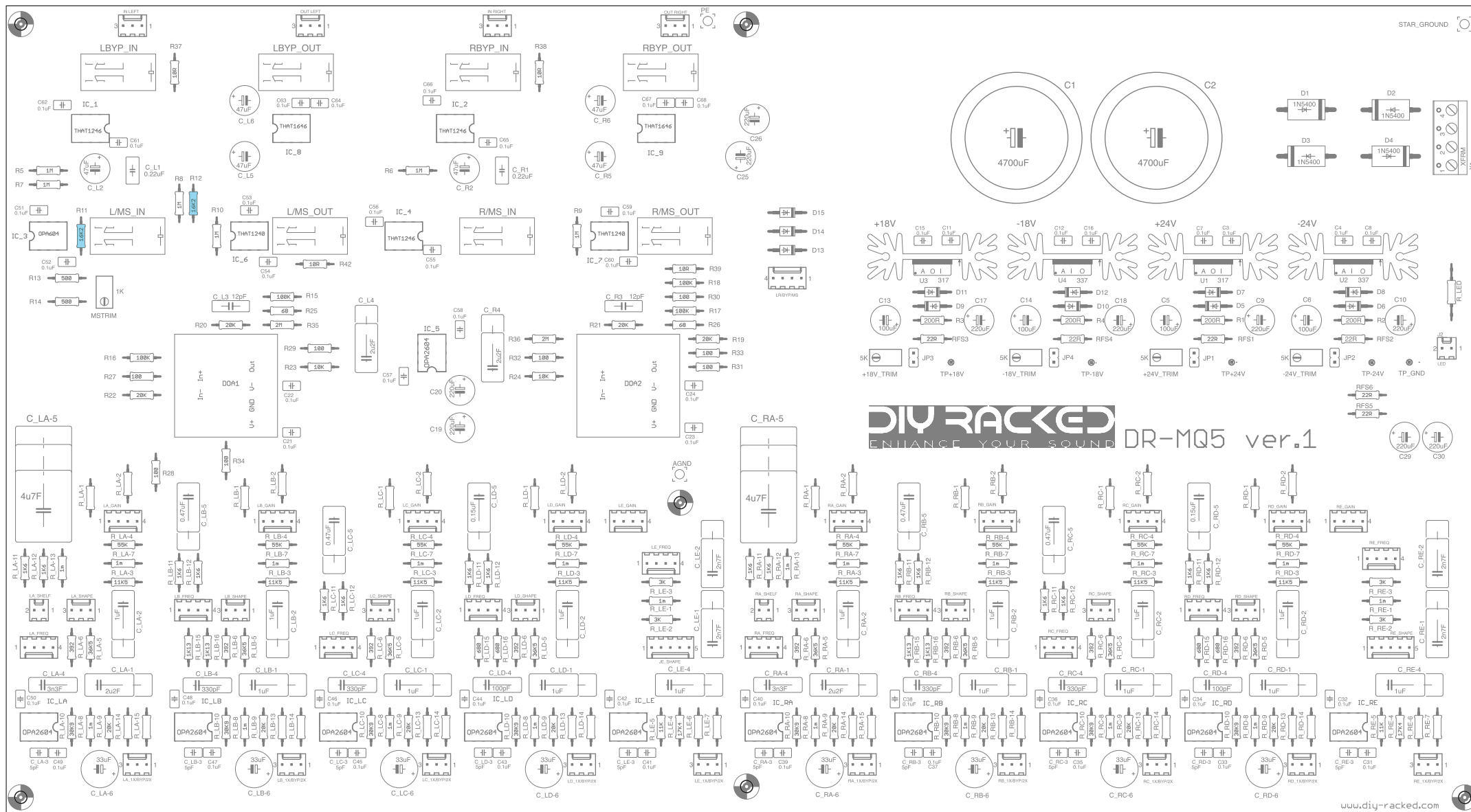
RESISTORS 15K (2 pieces)
R_LE-7, R_RE-7



STEP 17

RESISTORS 16K2 (2 pieces)

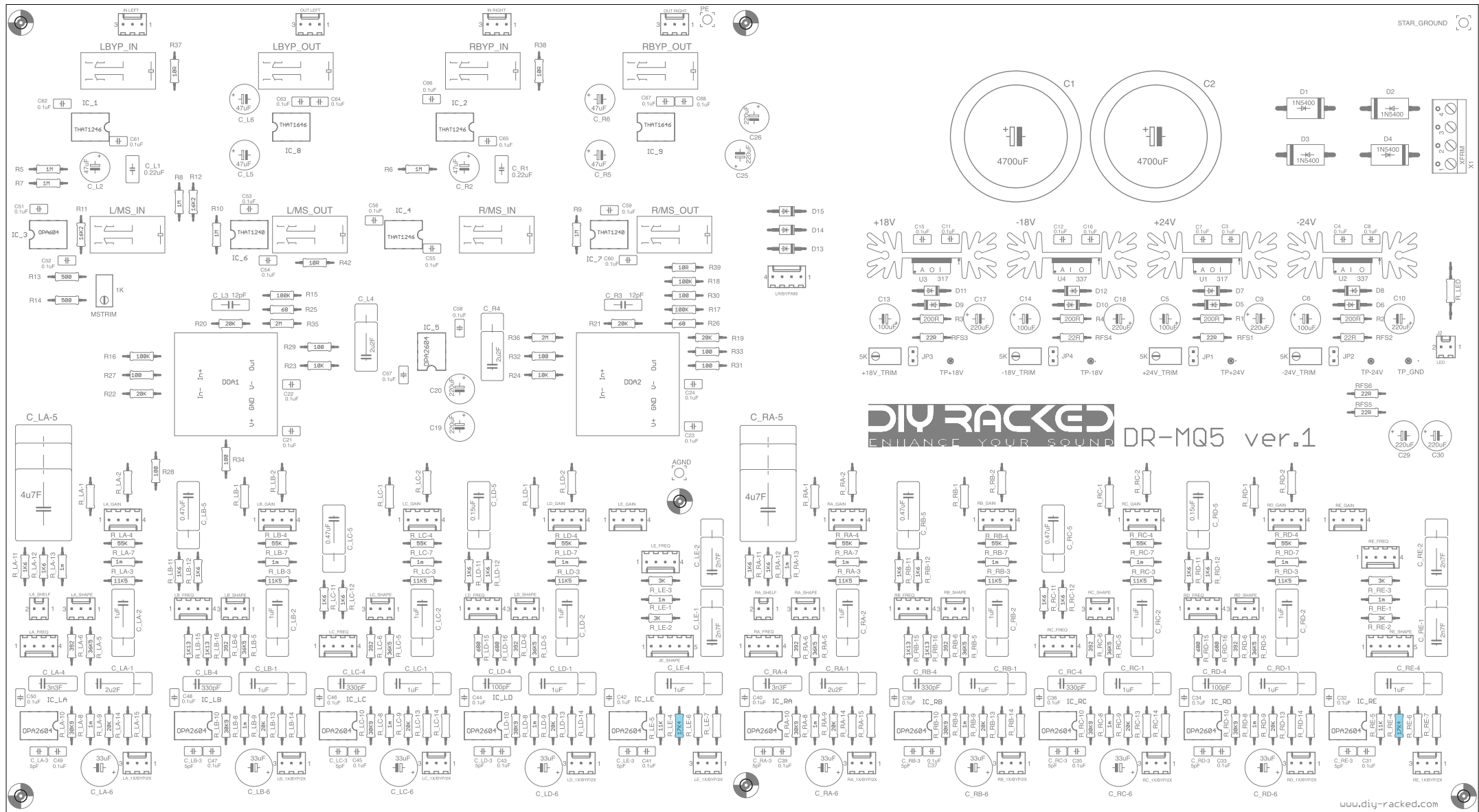
R11, R12



STEP 18

RESISTORS 17K4 (2 pieces)

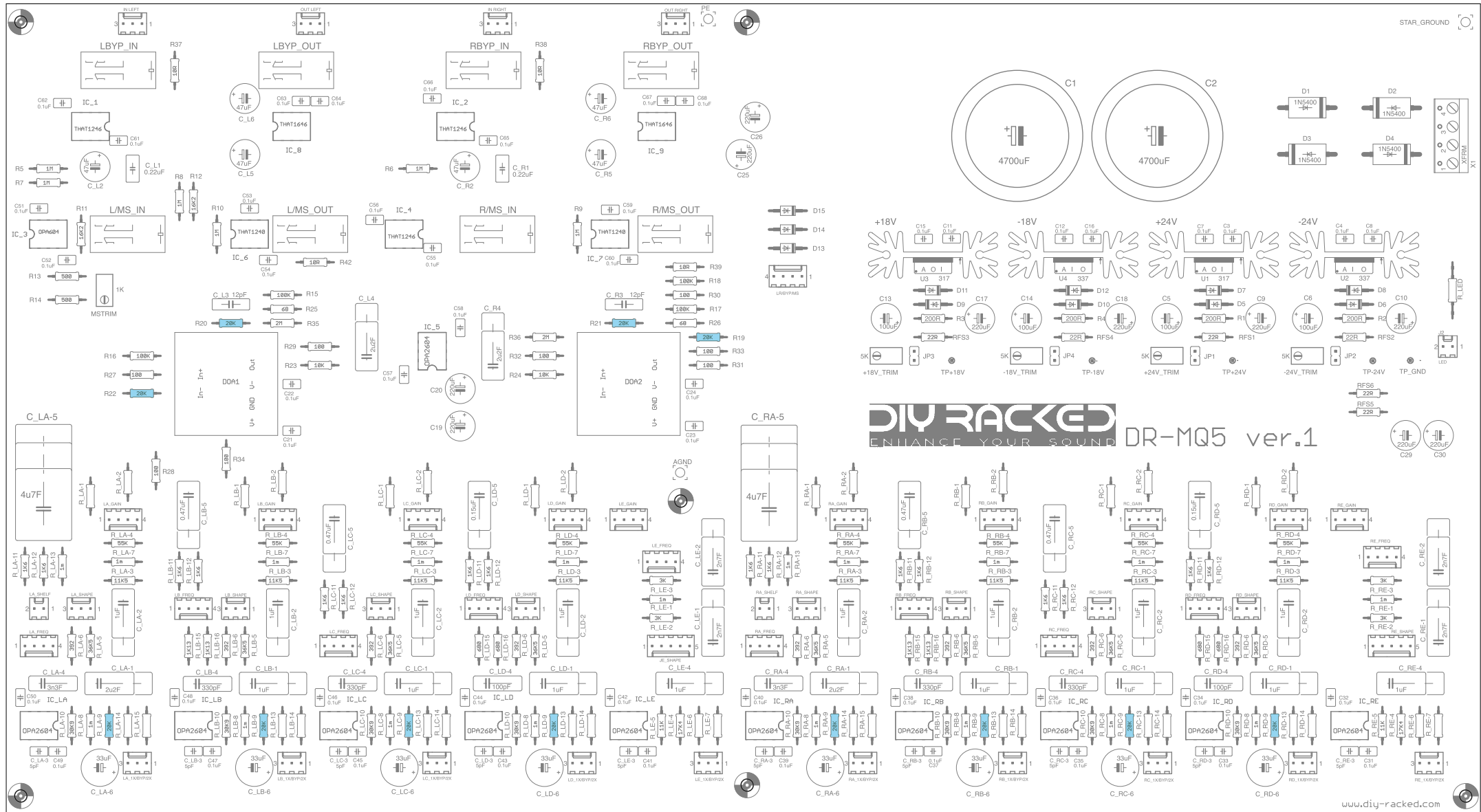
R_LE-4, R_RE-4



STEP 19

RESISTORS 20K (12 pieces)

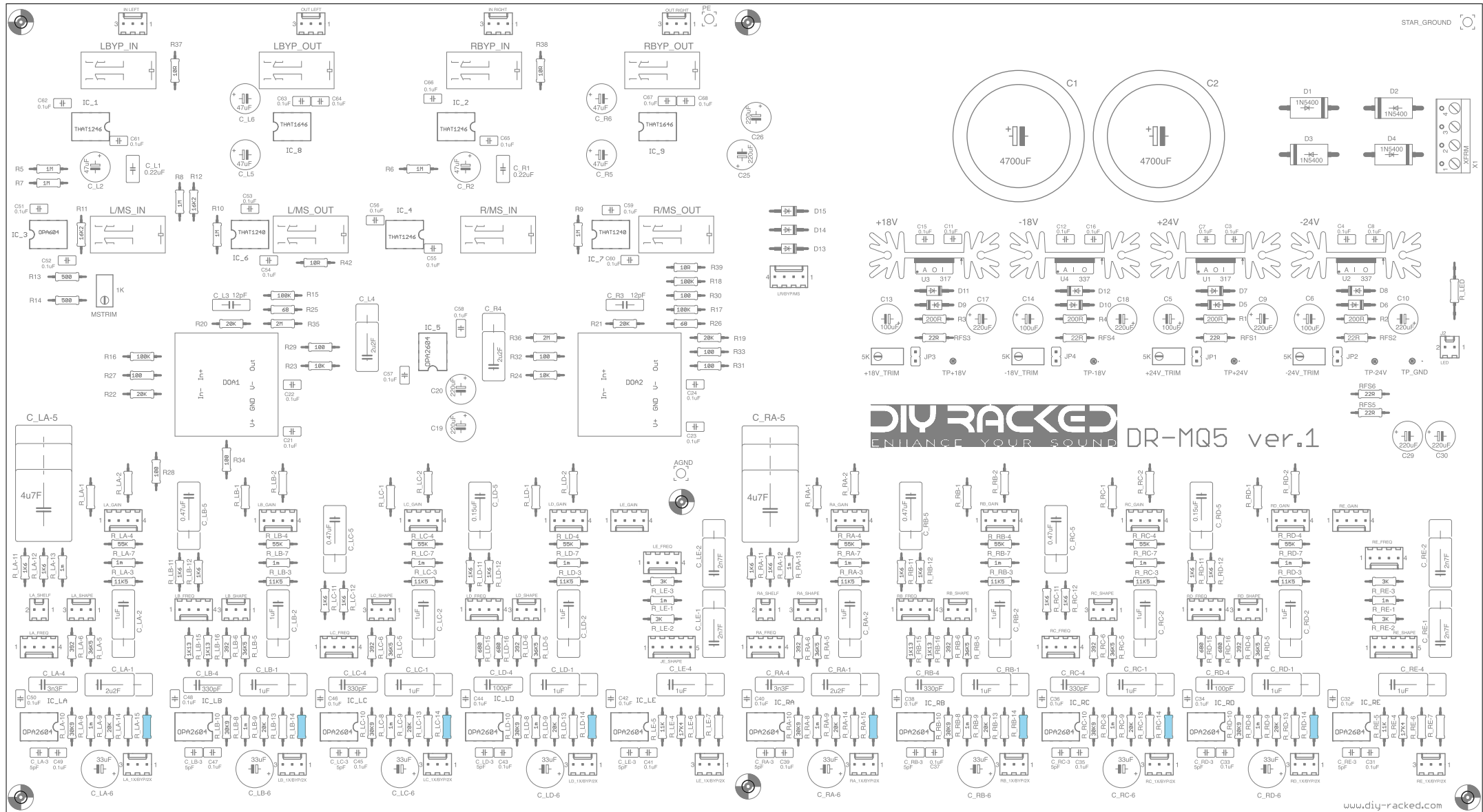
R19, R20, R21, R22, R_LA-9, R_LB-9, R_LC-9, R_LD-9, R_RA-9, R_RB-9, R_RC-9, R_RD-9,



STEP 20

RESISTORS 26K1 (8 pieces)

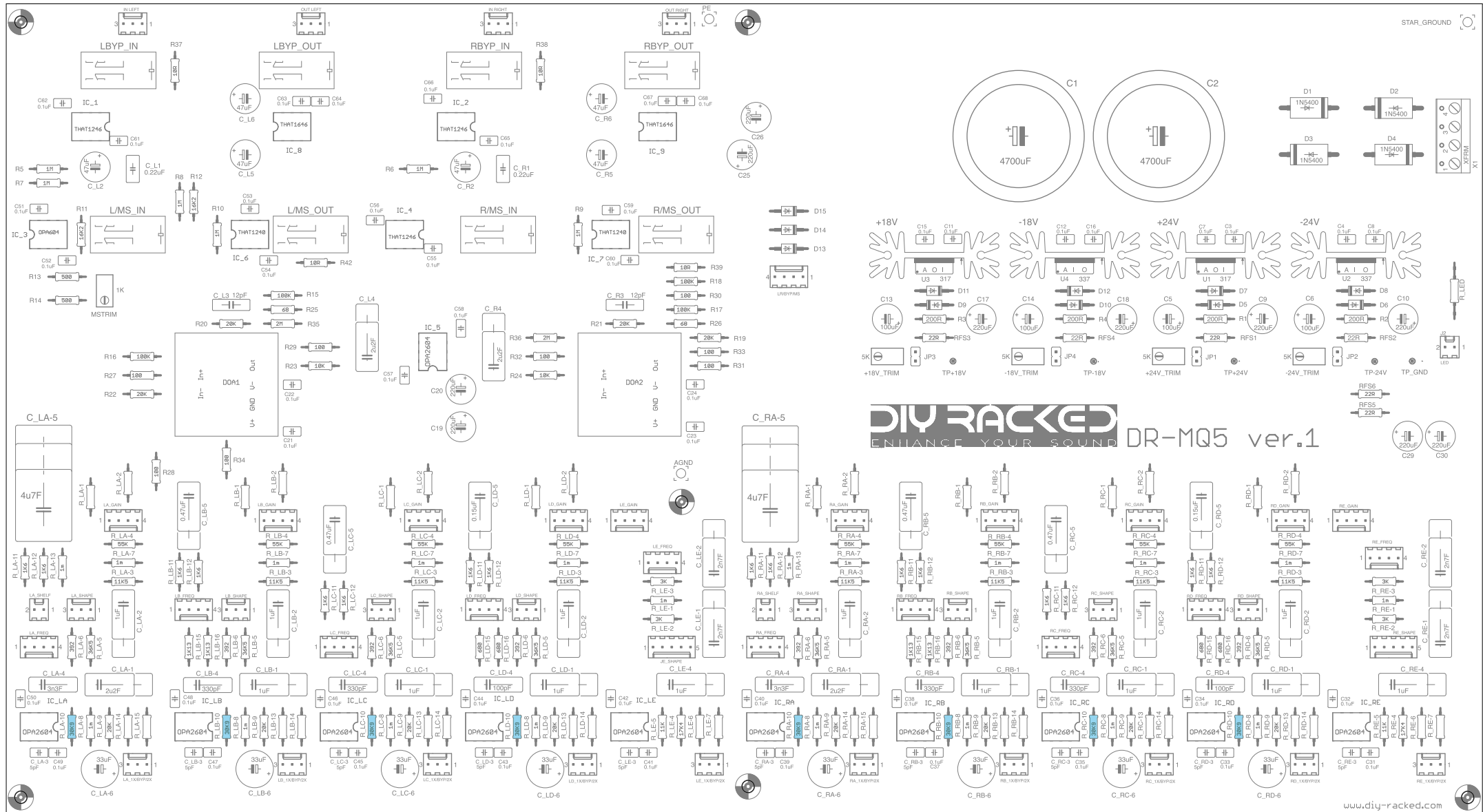
R_LA-15, R_LB-14, R_LC-14, R_LD-14, R_RA-15, R_RB-14, R_RC-14, R_RD-14



STEP 21

RESISTORS 30K9 (8 pieces)

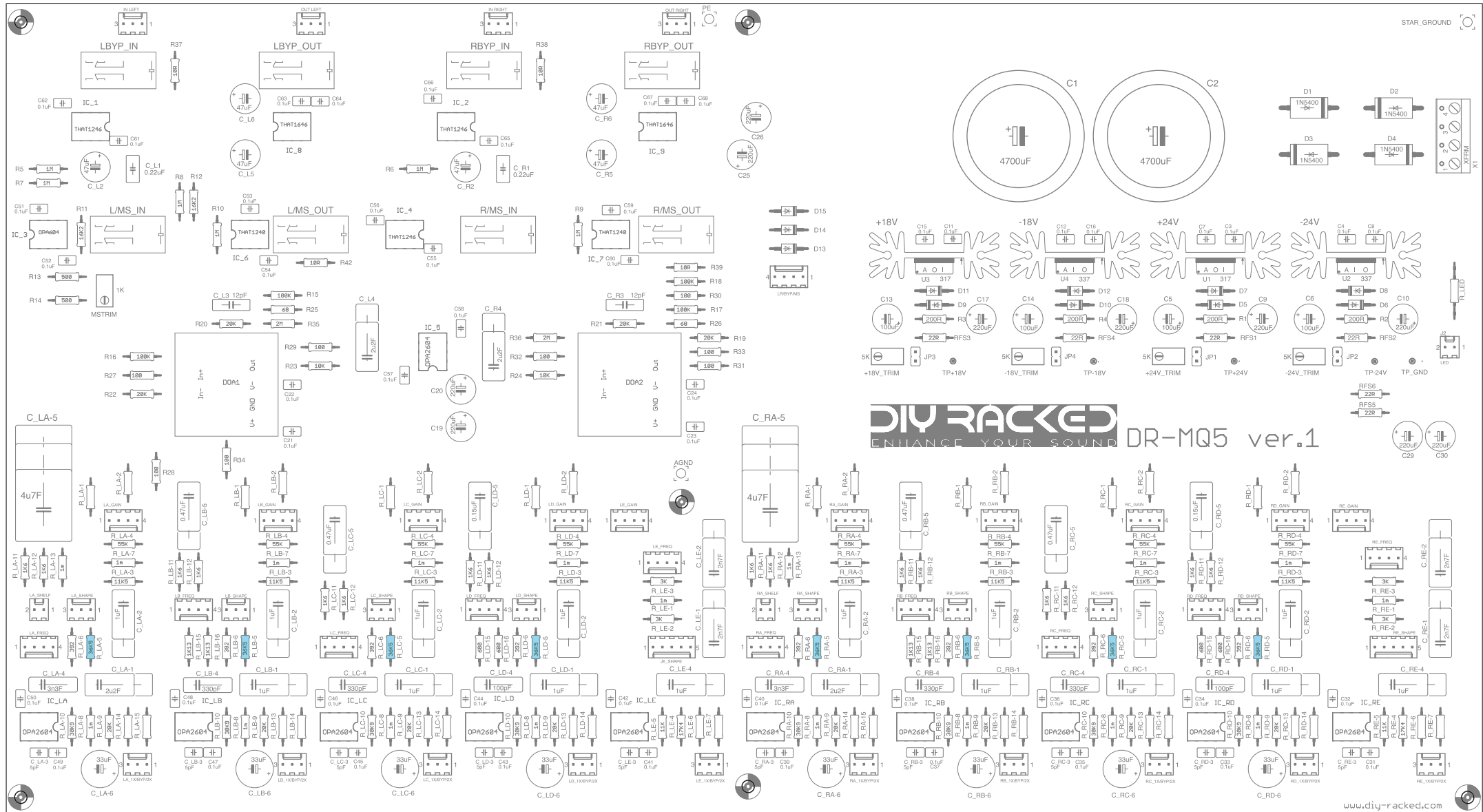
R_LA-10, R_LB-10, R_LC-10, R_LD-10, R_RA-10, R_RB-10, R_RC-10, R_RD-10



STEP 22

RESISTORS 36K5 (8 pieces)

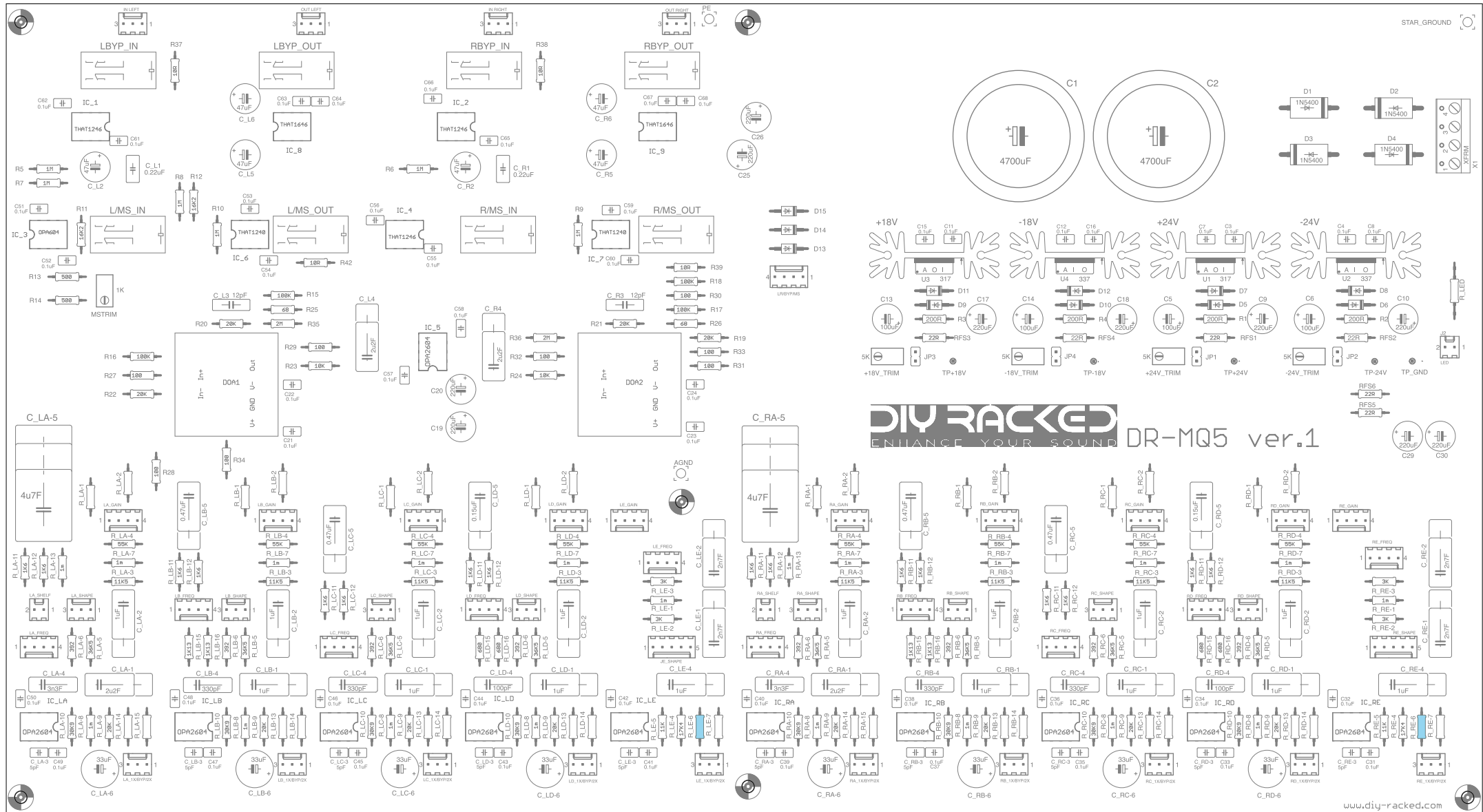
R_LA-5, R_LB-5, R_LC-5, R_LD-5, R_RA-5, R_RB-5, R_RC-5, R_RD-5



STEP 23

RESISTORS 38K3 (2 pieces)

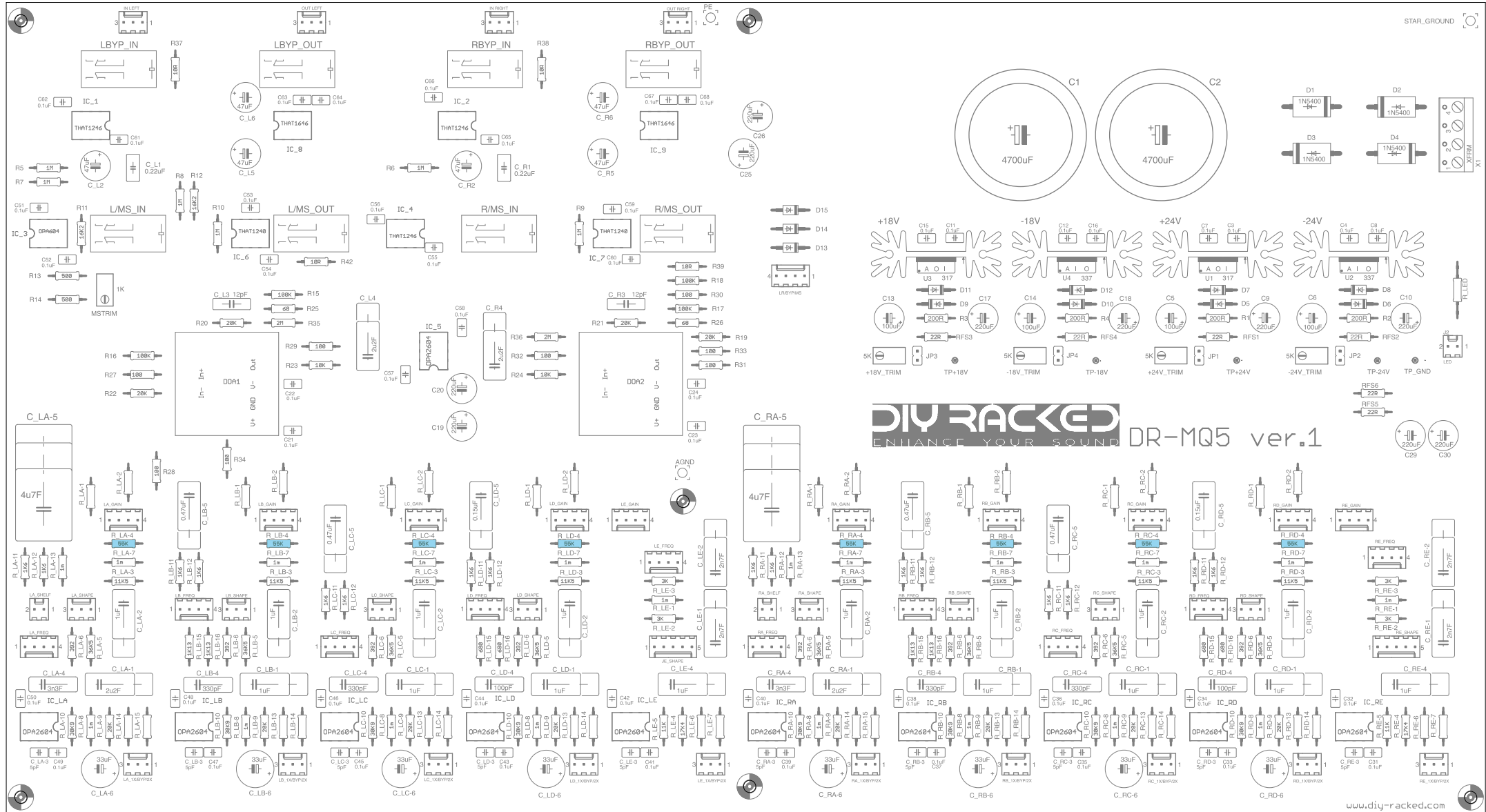
R_LE-6, R_RE-6



STEP 24

RESISTORS 55K (8 pieces)

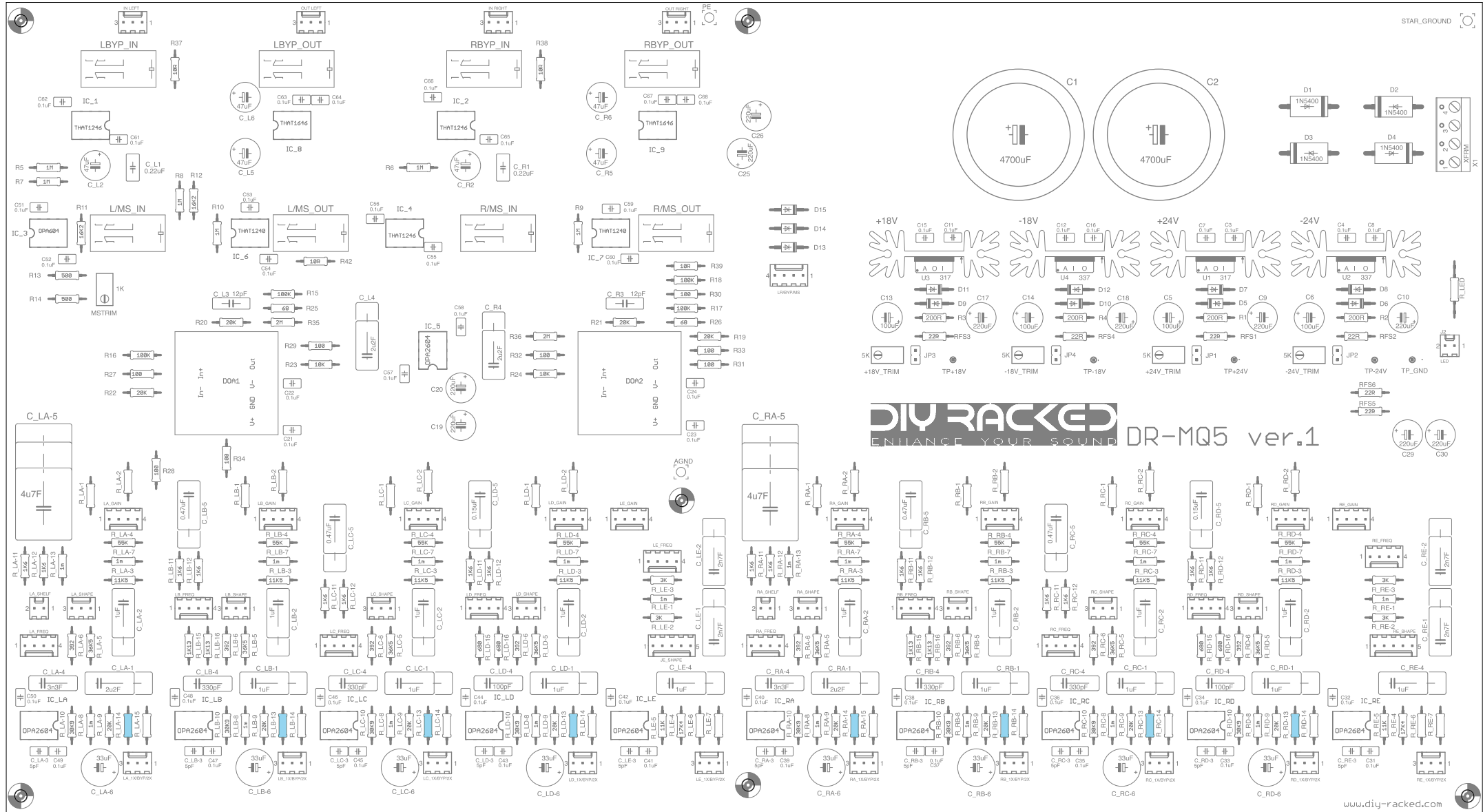
R_LA-4, R_LB-4, R_LC-4, R_LD-4, R_RA-4, R_RB-4, R_RC-4, R_RD-4



STEP 25

RESISTORS 62K (8 pieces)

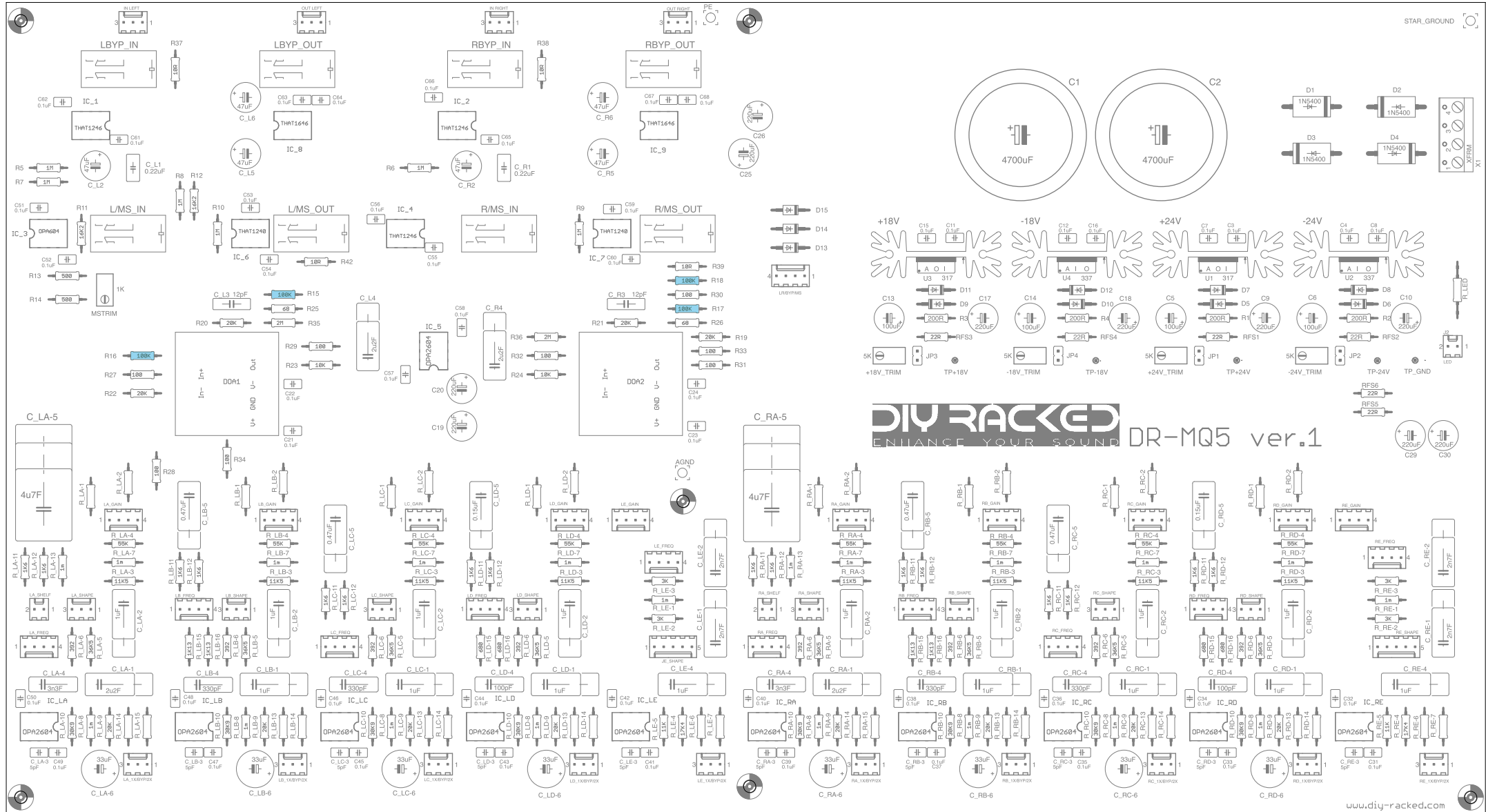
R_LA-14, R_LB-13, R_LC-13, R_LD-13, R_RA-14, R_RB-13, R_RC-13, R_RD-13



STEP 26

RESISTORS 100K (4 pieces)

R15, R16, R17, R18



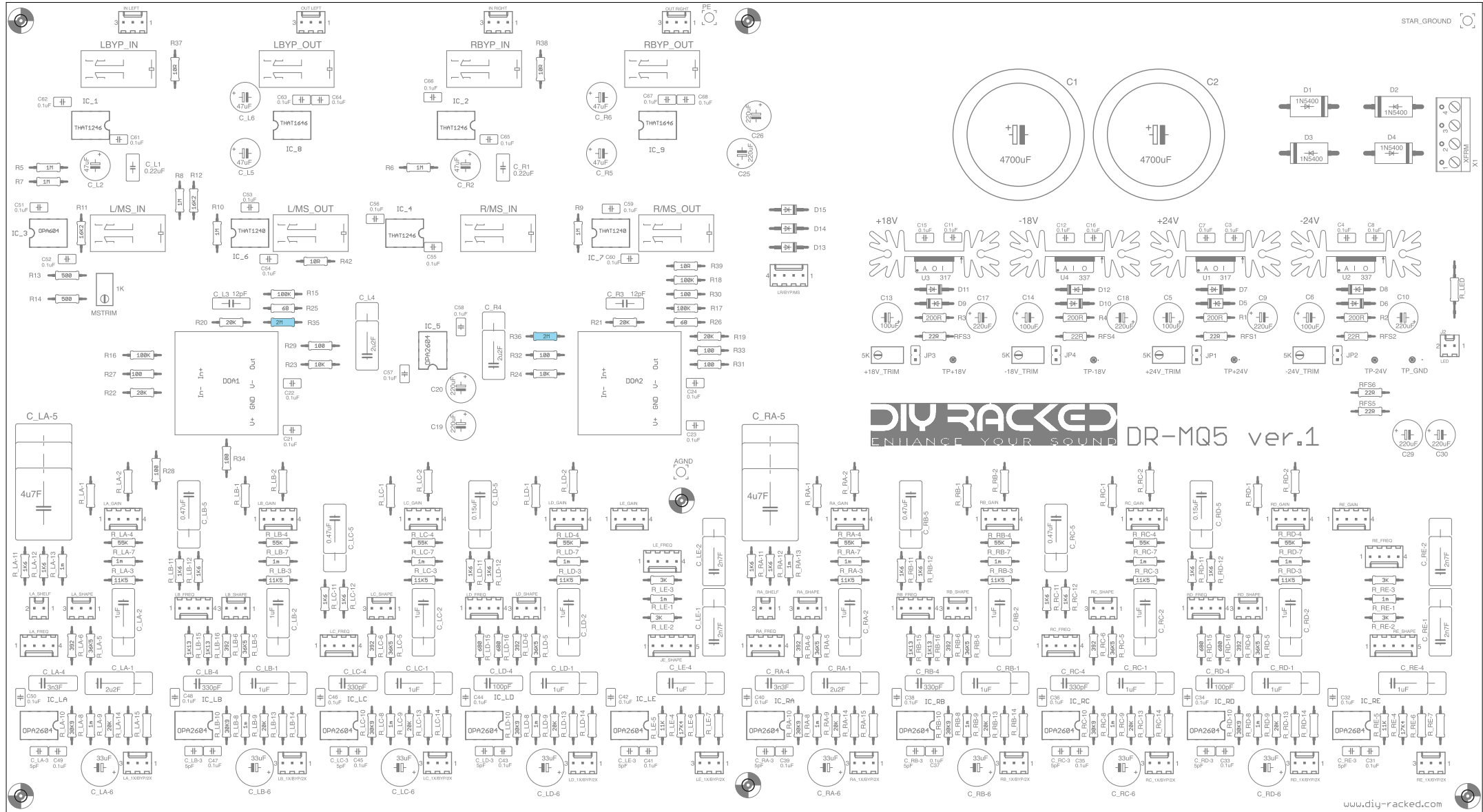
R_LA-7, R_LA-8, R_LA-13, R_LB-7, R_LB-8, R_LC-7, R_LC-8, R_LD-7, R_LD-8, R_LE-1,
R_RA-7, R_RA-8, R_RA-13, R_RB-7, R_RB-8, R_RC-7, R_RC-8, R_RD-7, R_RD-8, R_RE-1



STEP 28

RESISTORS 2M (2 pieces)

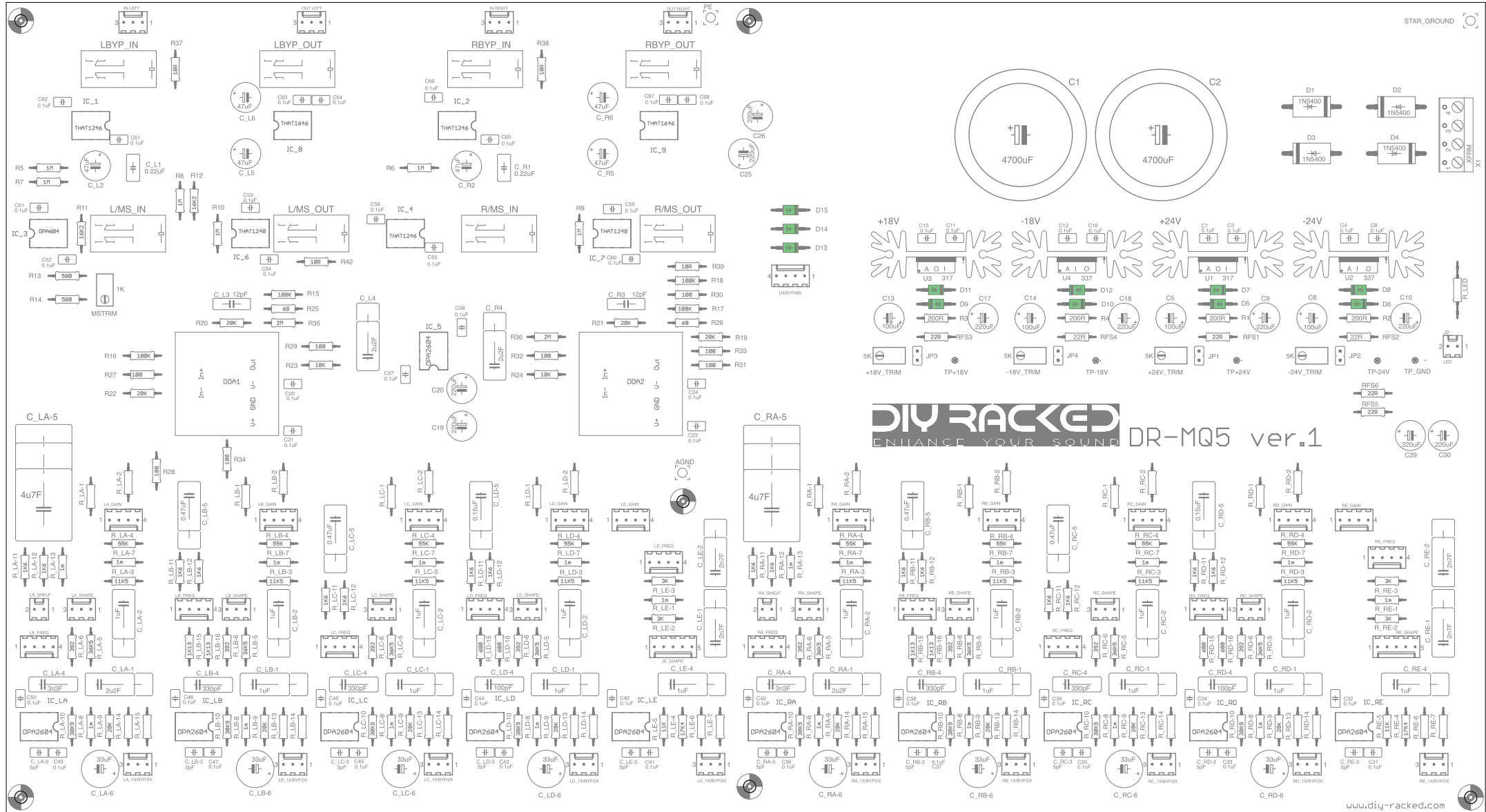
R35, R36



STEP 29

DIODES 1N4004 (11 PIECES)

D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15

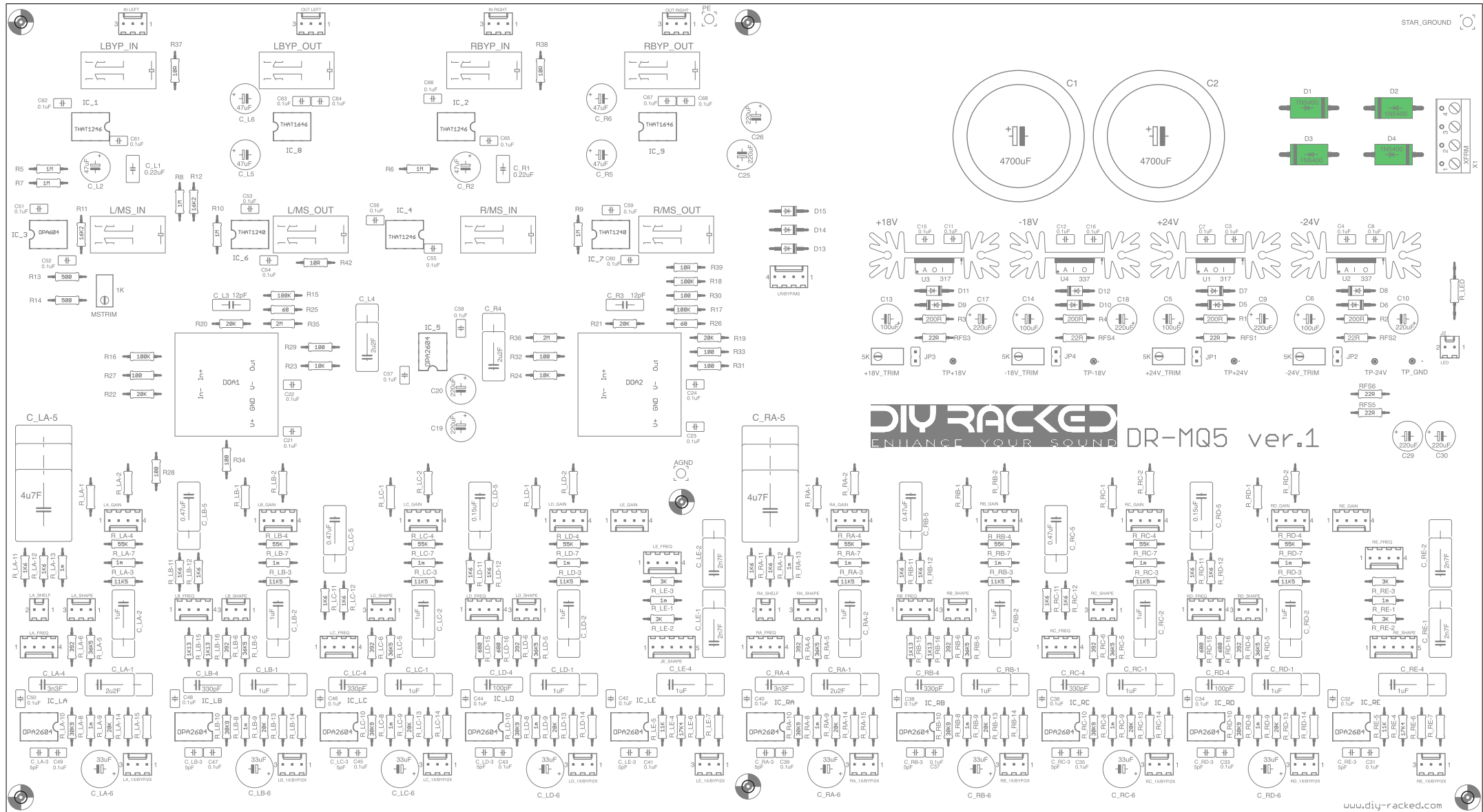


DIY RACKED
ENHANCE YOUR SOUND DR-MQ5 ver.1

STEP 30

DIODES 1N5400 (4 PIECES)

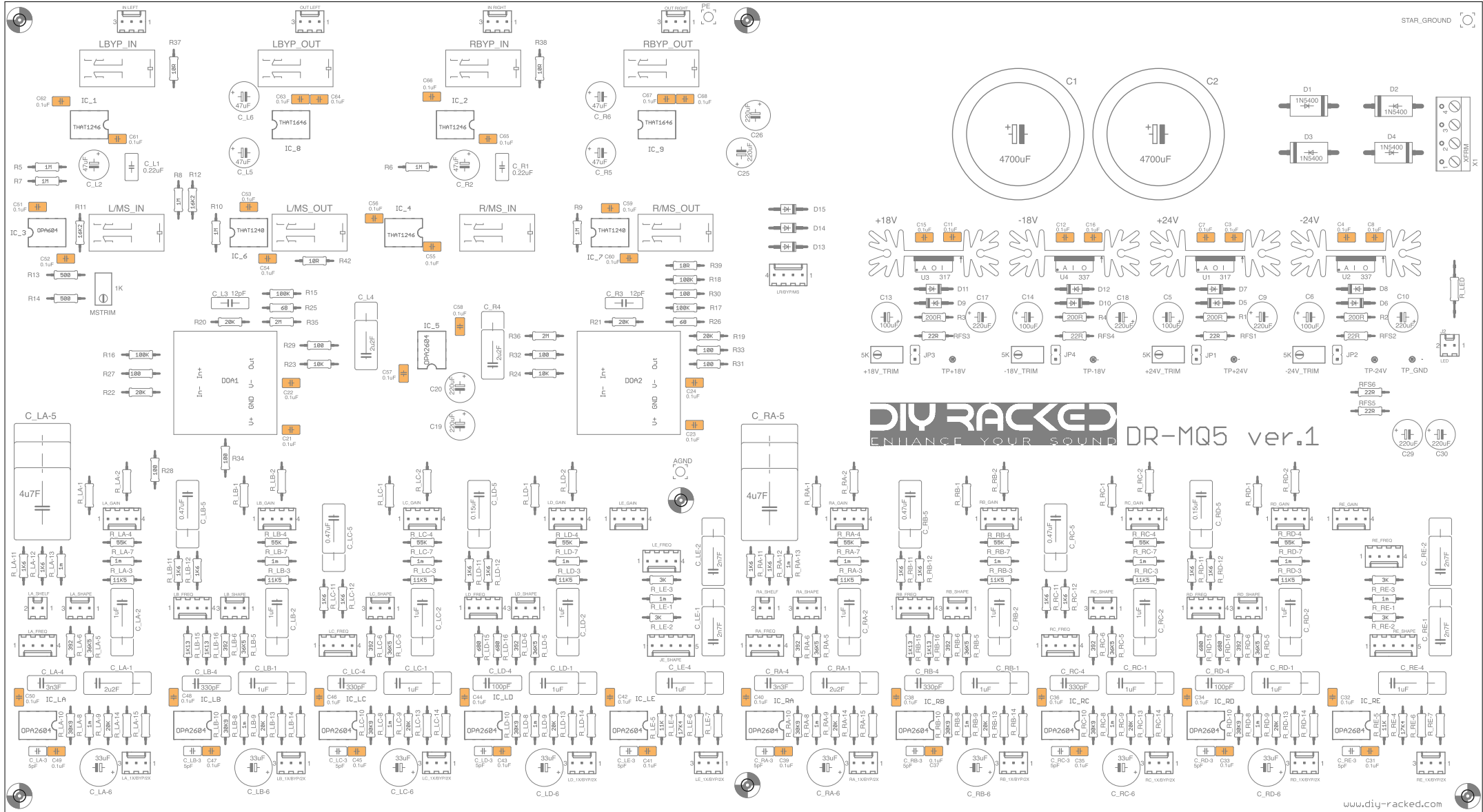
D1, D2, D3, D4



STEP 31

CERAMIC CAPACITORS 0.1uF (50 PIECES)

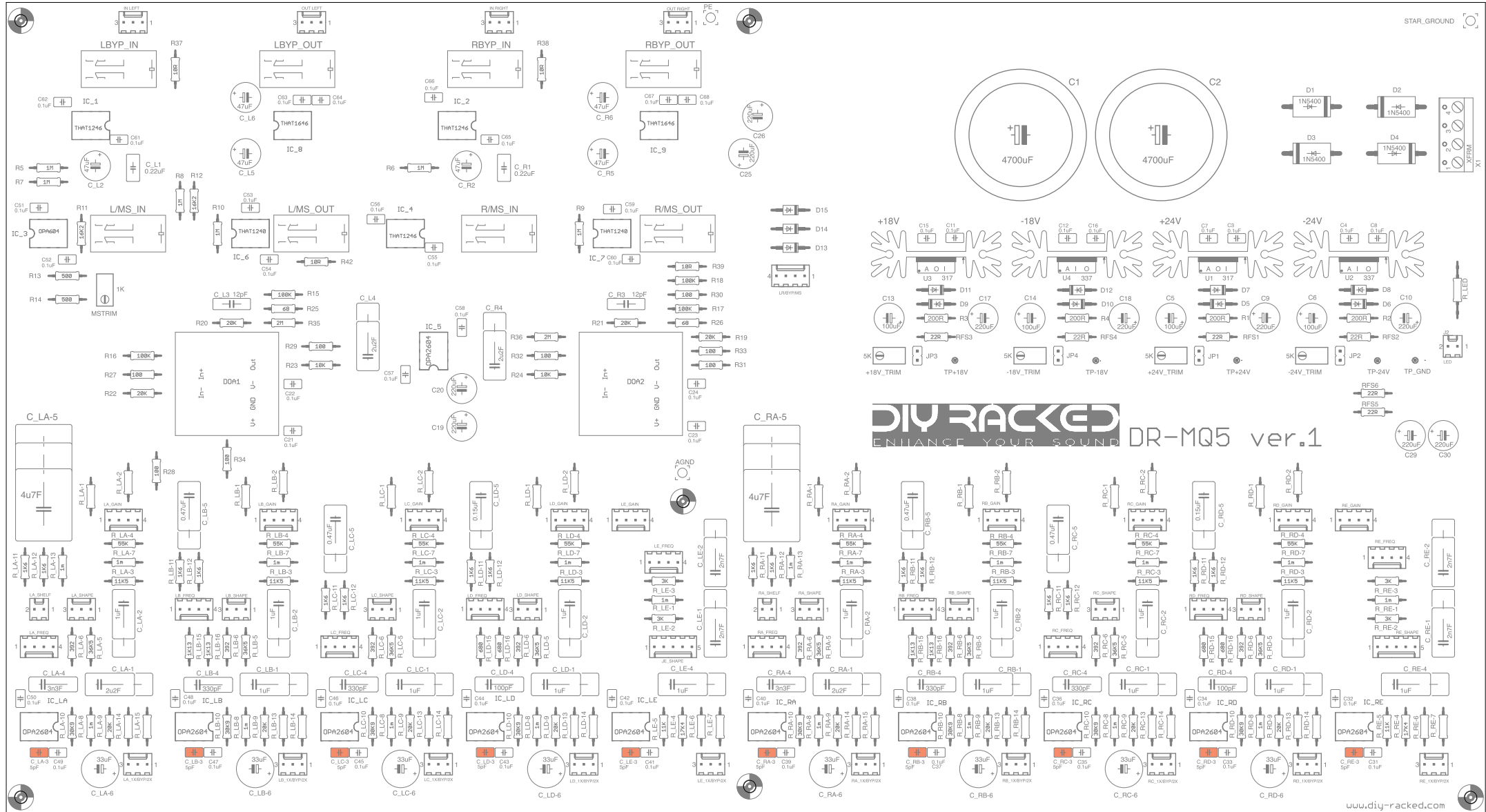
C3, C4, C7, C8, C11, C12, C15, C16, C21, C22, C23, C24, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68



STEP 32

SILVER MICA CAPACITORS 5pF (10 PIECES)

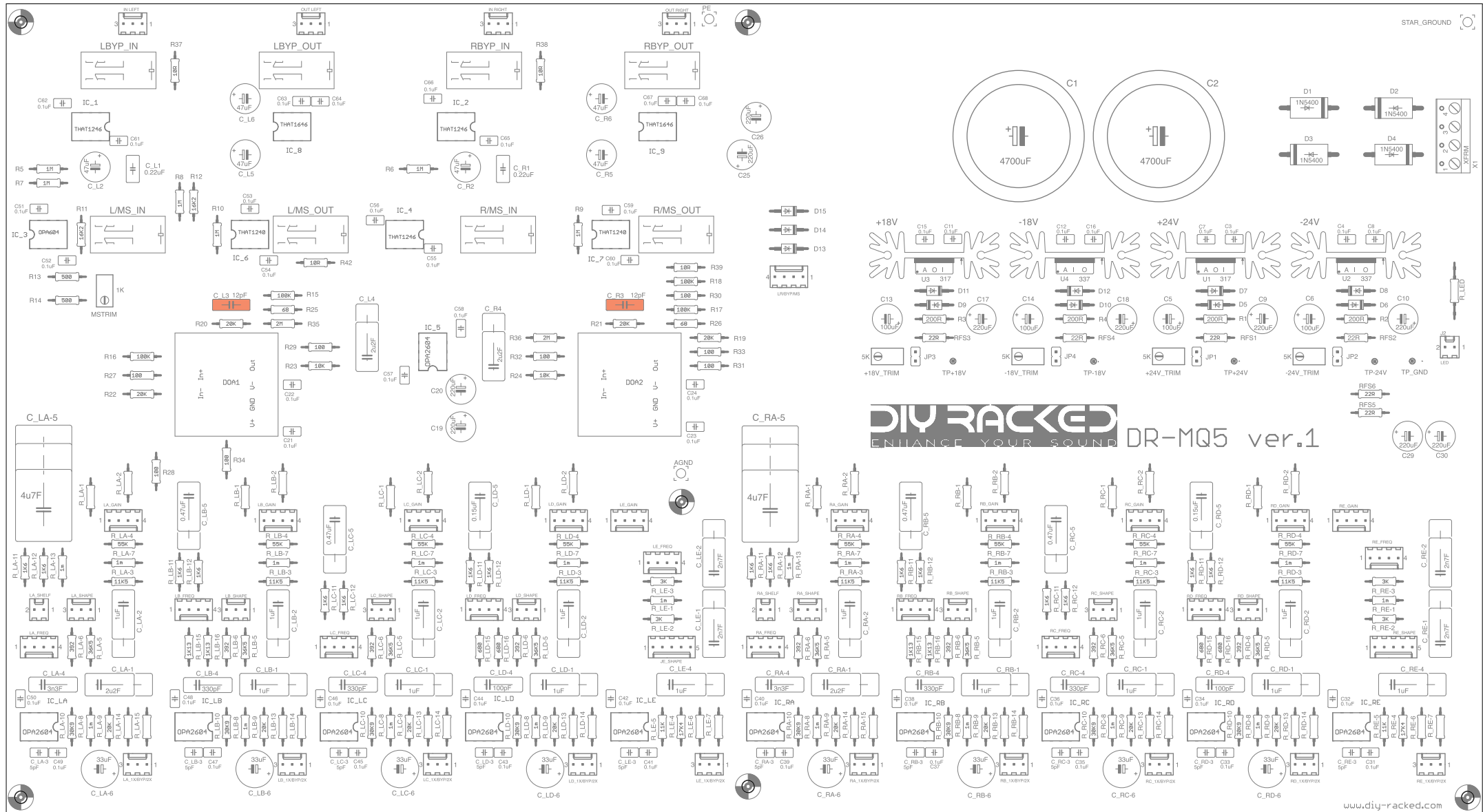
C_LA-3, C_LB-3, C_LC-3, C_LD-3, C_LE-3, C_RA-3, C_RB-3, C_RC-3, C_RD-3, C_RE-3



STEP 33

SILVER MICA CAPACITORS 12pF (2 PIECES)

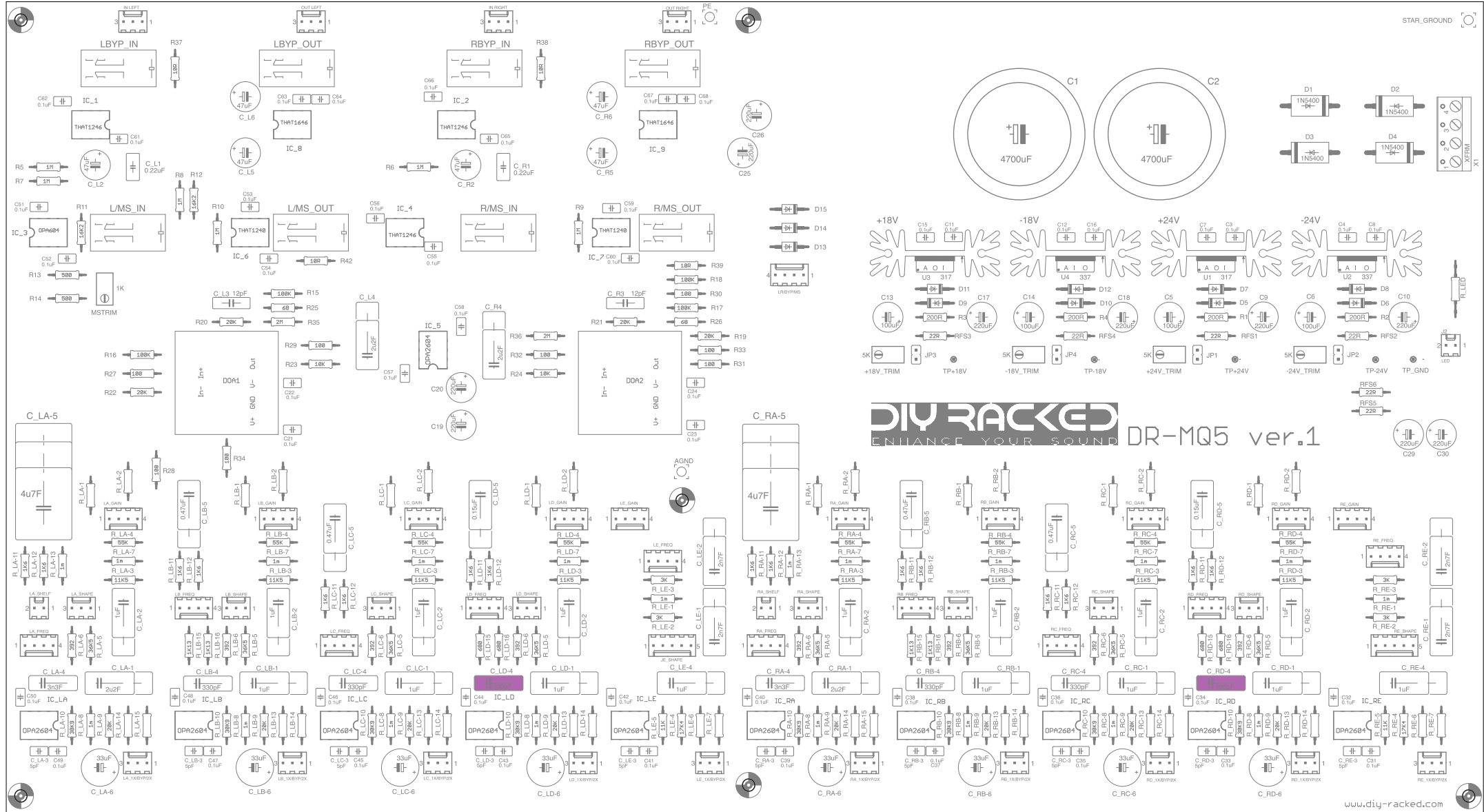
C_L3, C_R3



STEP 34

FILM CAPACITORS 100pF (2 PIECES)

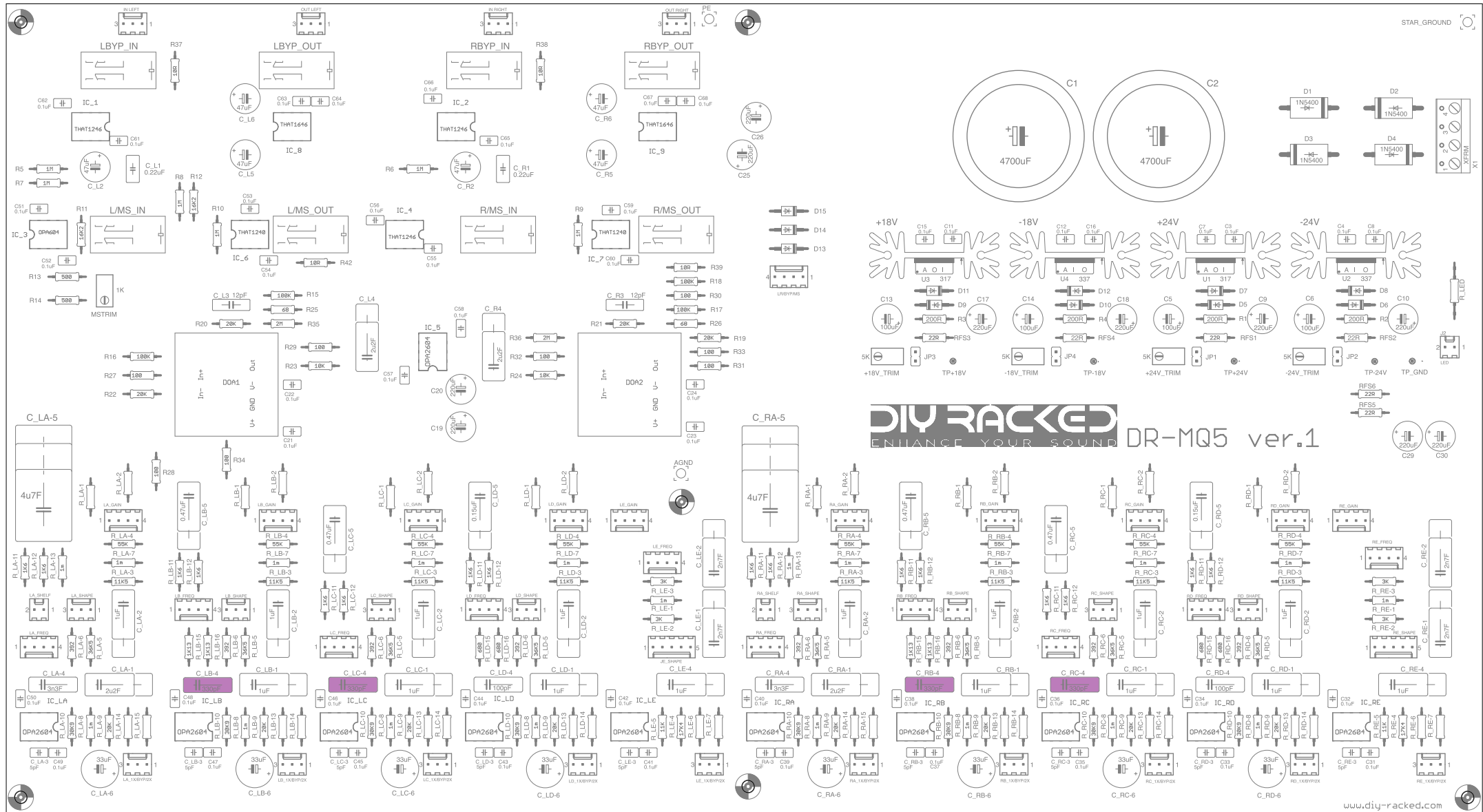
C_LD-4, C_RD-4



STEP 35

FILM CAPACITORS 330pF (4 PIECES)

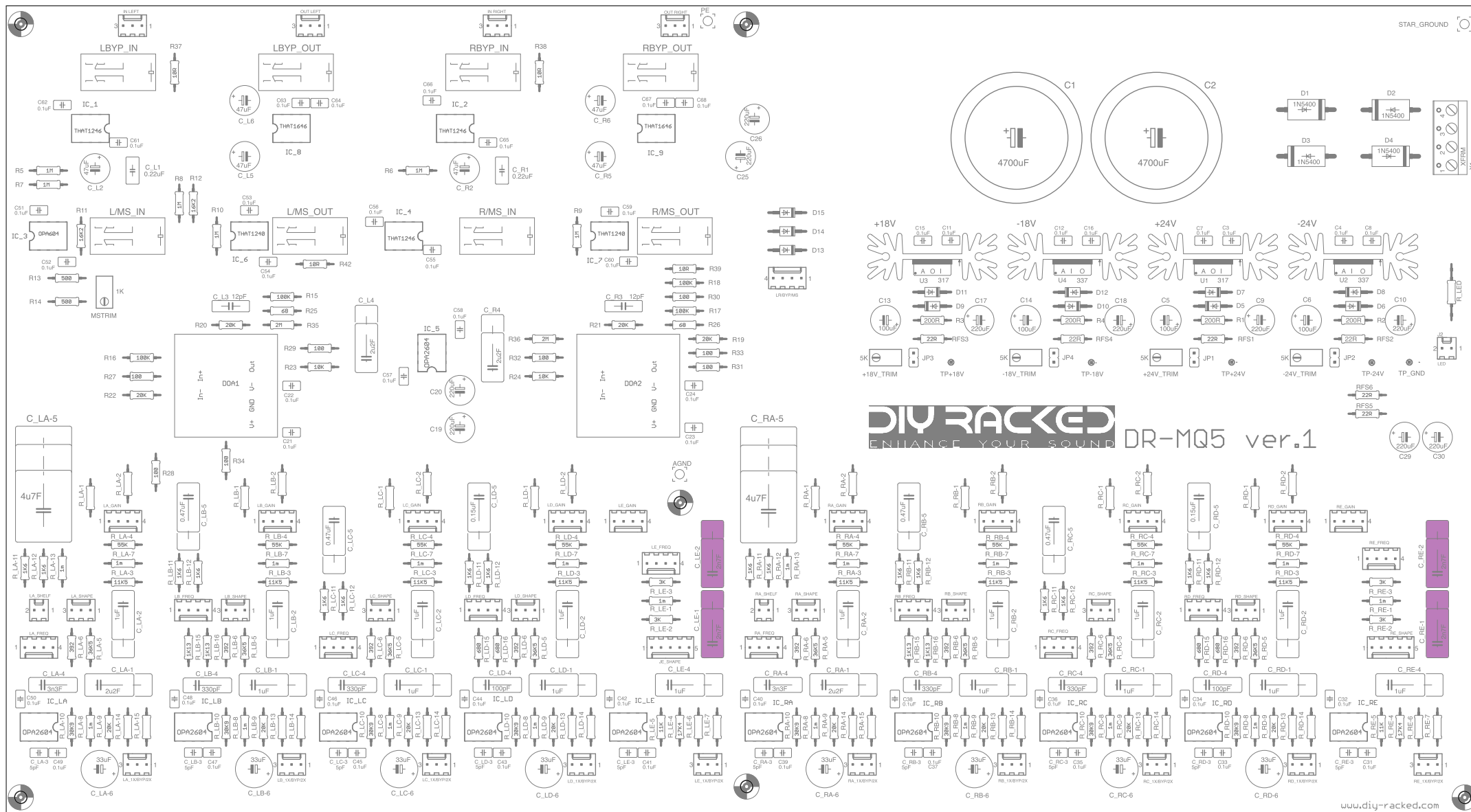
C_LB-4, C_LC-4, C_RB-4, C_RC-4



STEP 36

FILM CAPACITORS 2n7F (4 PIECES)

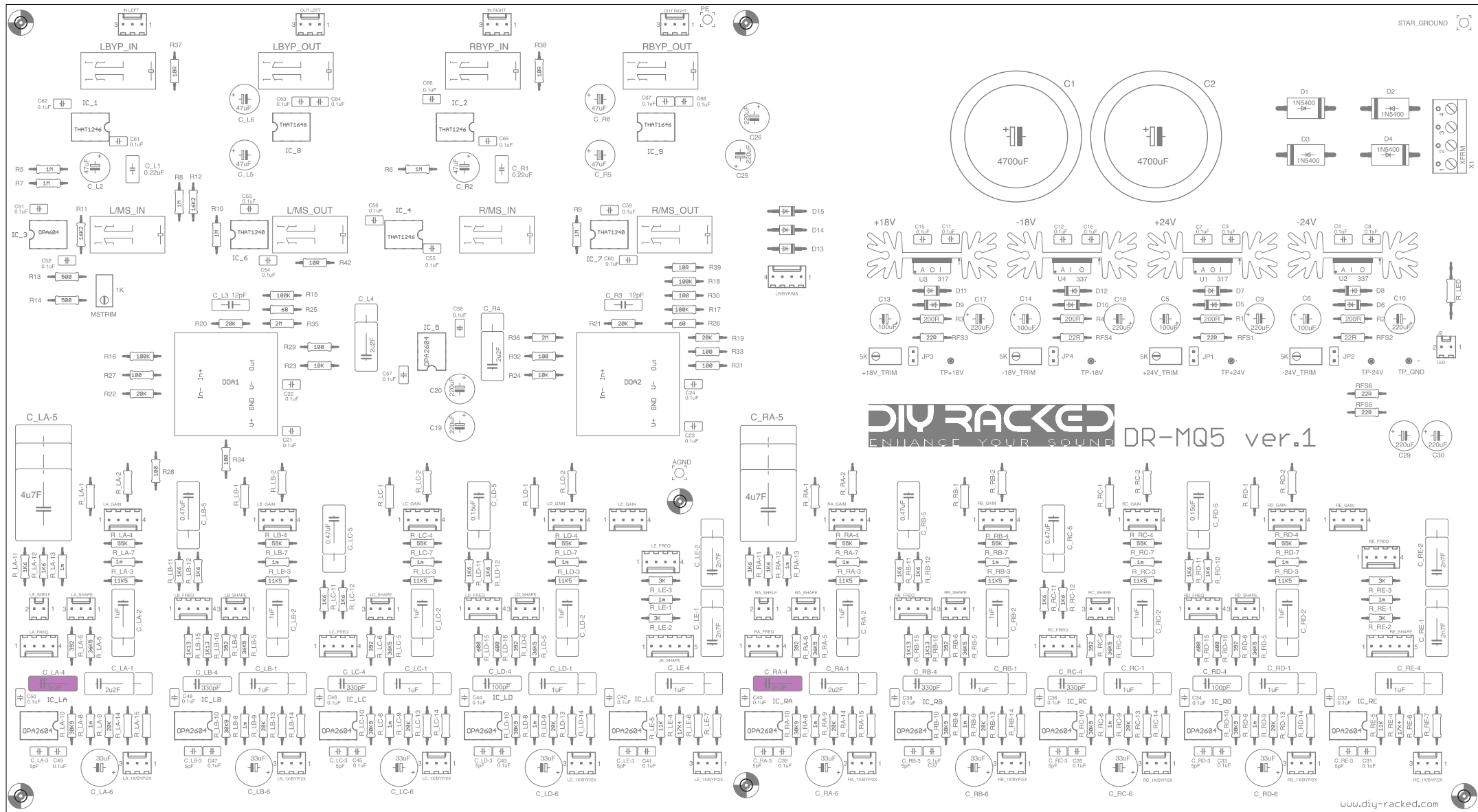
C_LE-1, C_LE-2, C_RE-1, C_RE-2



STEP 37

FILM CAPACITORS 3n3F (2 PIECES)

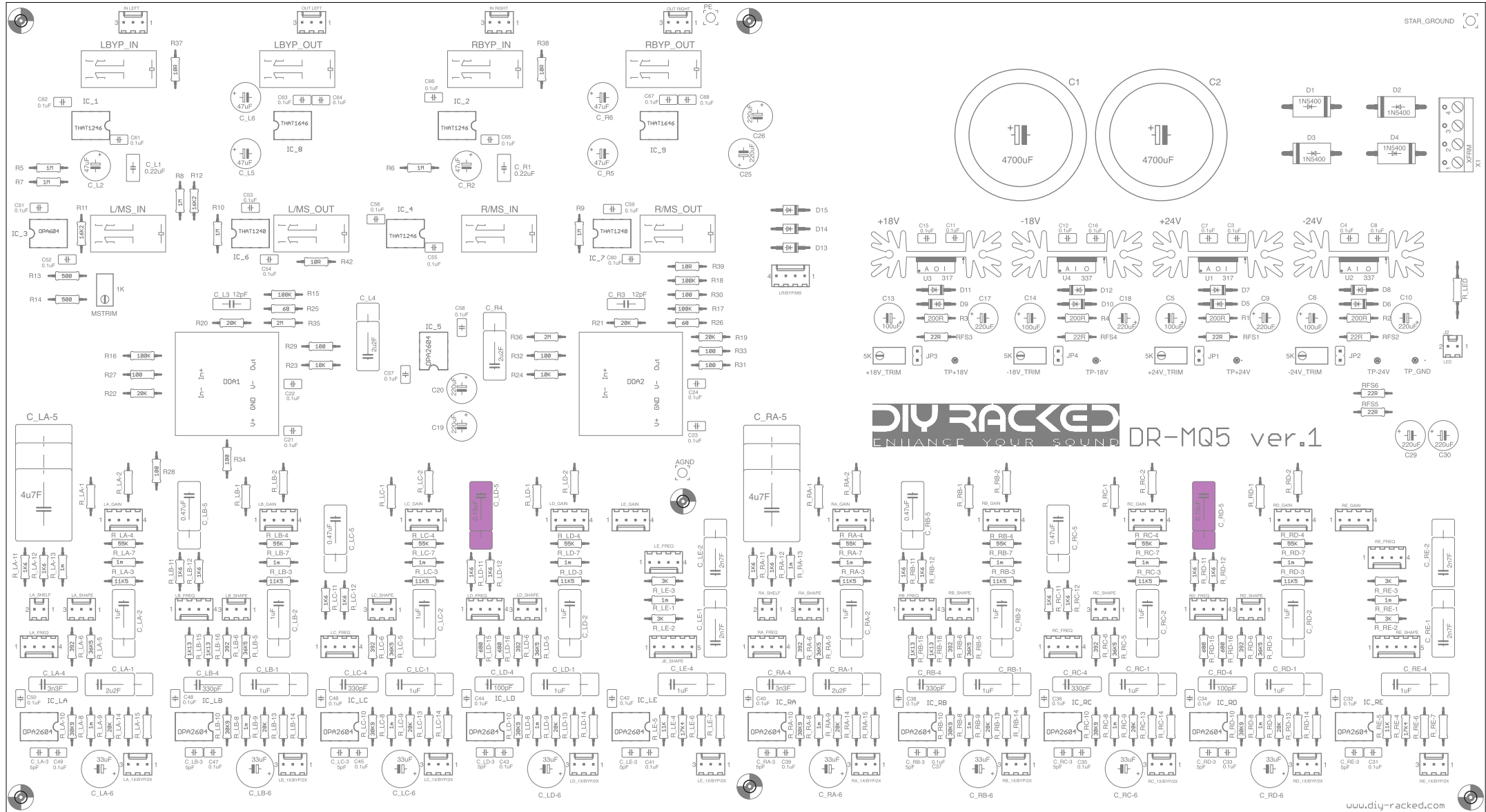
C_LA-4, C_RA-4



STEP 38

FILM CAPACITORS 0.15uF (2 PIECES)

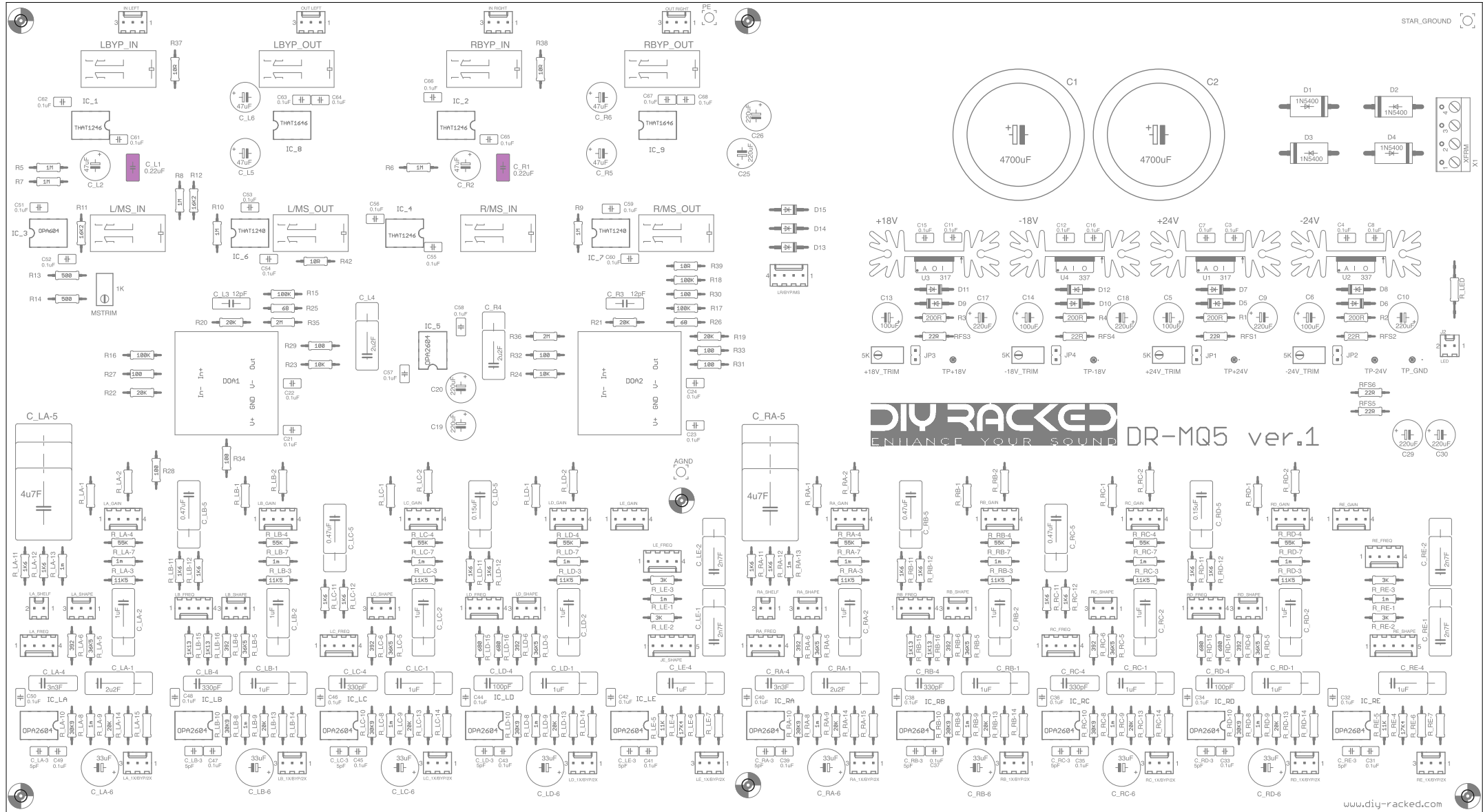
C_LD-5, C_RD-5



STEP 39

FILM CAPACITORS 0.22uF (2 PIECES)

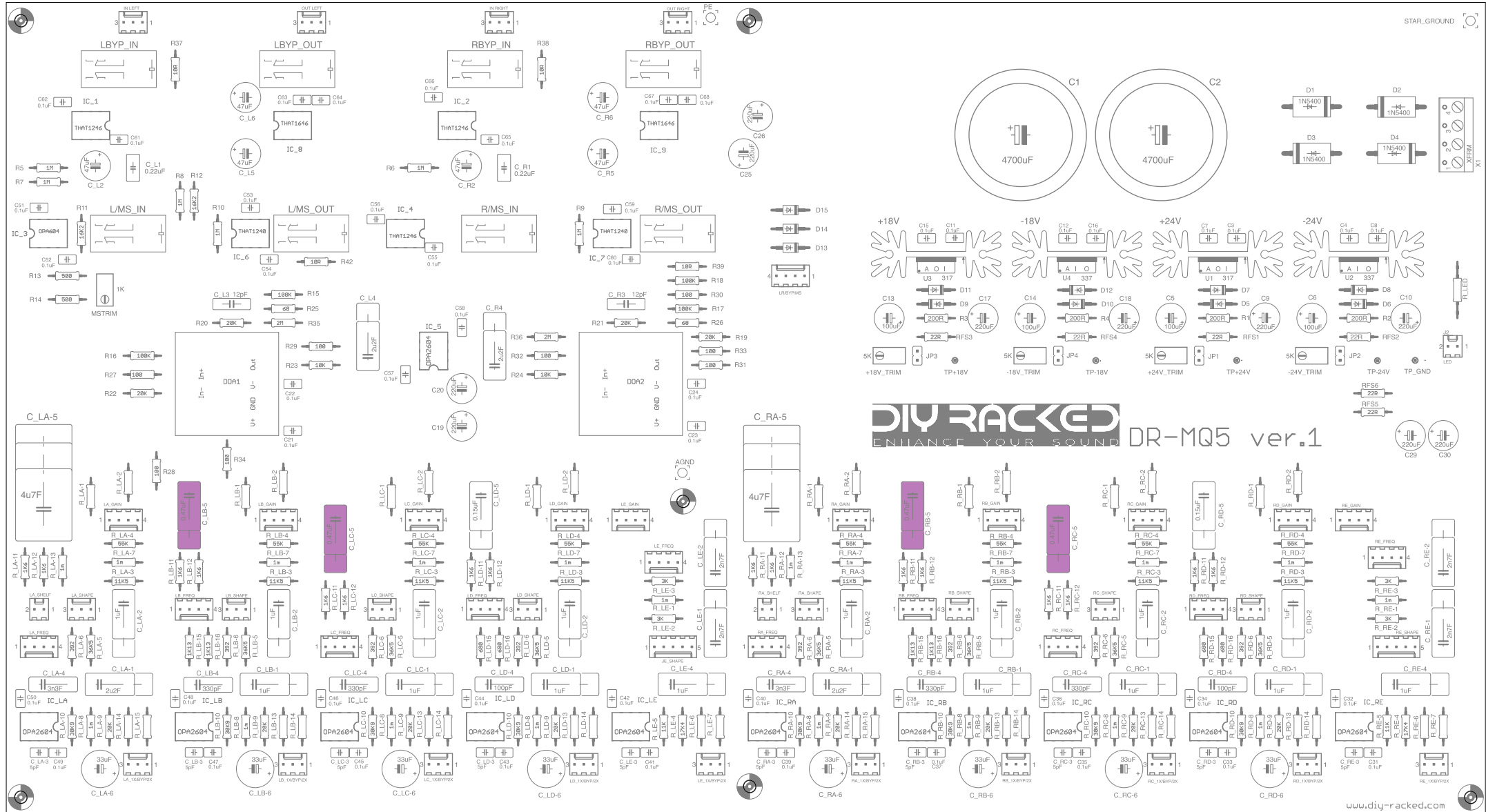
C_L1, C_R1



STEP 40

FILM CAPACITORS 0.47uF (4 PIECES)

C_LB-5, C_LC-5, C_RB-5, C_RC-5



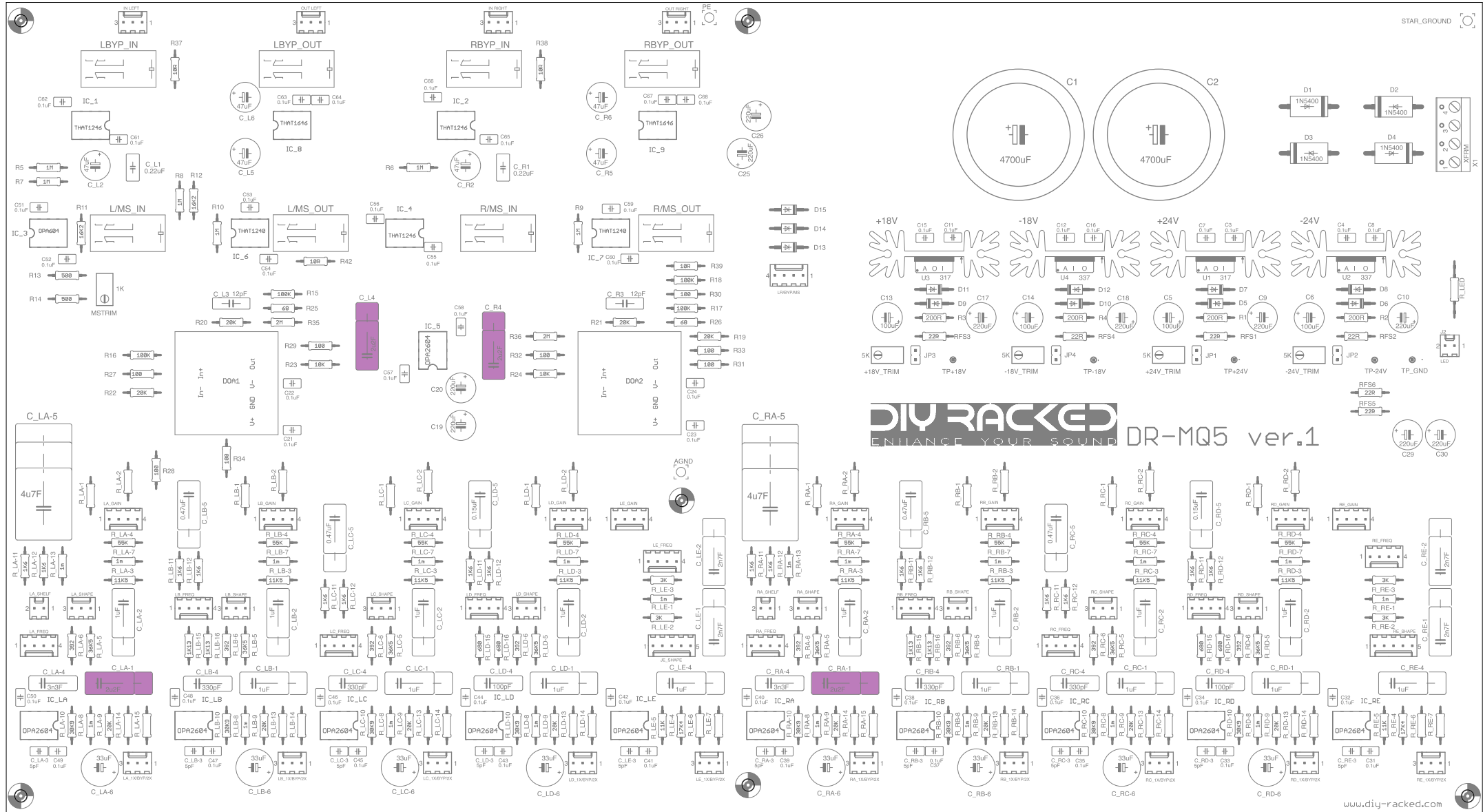
C_LA-2, C_LB-1, C_LB-2, C_LC-1, C_LC-2, C_LD-1, C_LD-2, C_LE-4,
C_RA-2, C_RB-1, C_RB-2, C_RC-1, C_RC-2, C_RD-1, C_RD-2, C_RE-4



STEP 42

FILM CAPACITORS 2u2F (4 PIECES)

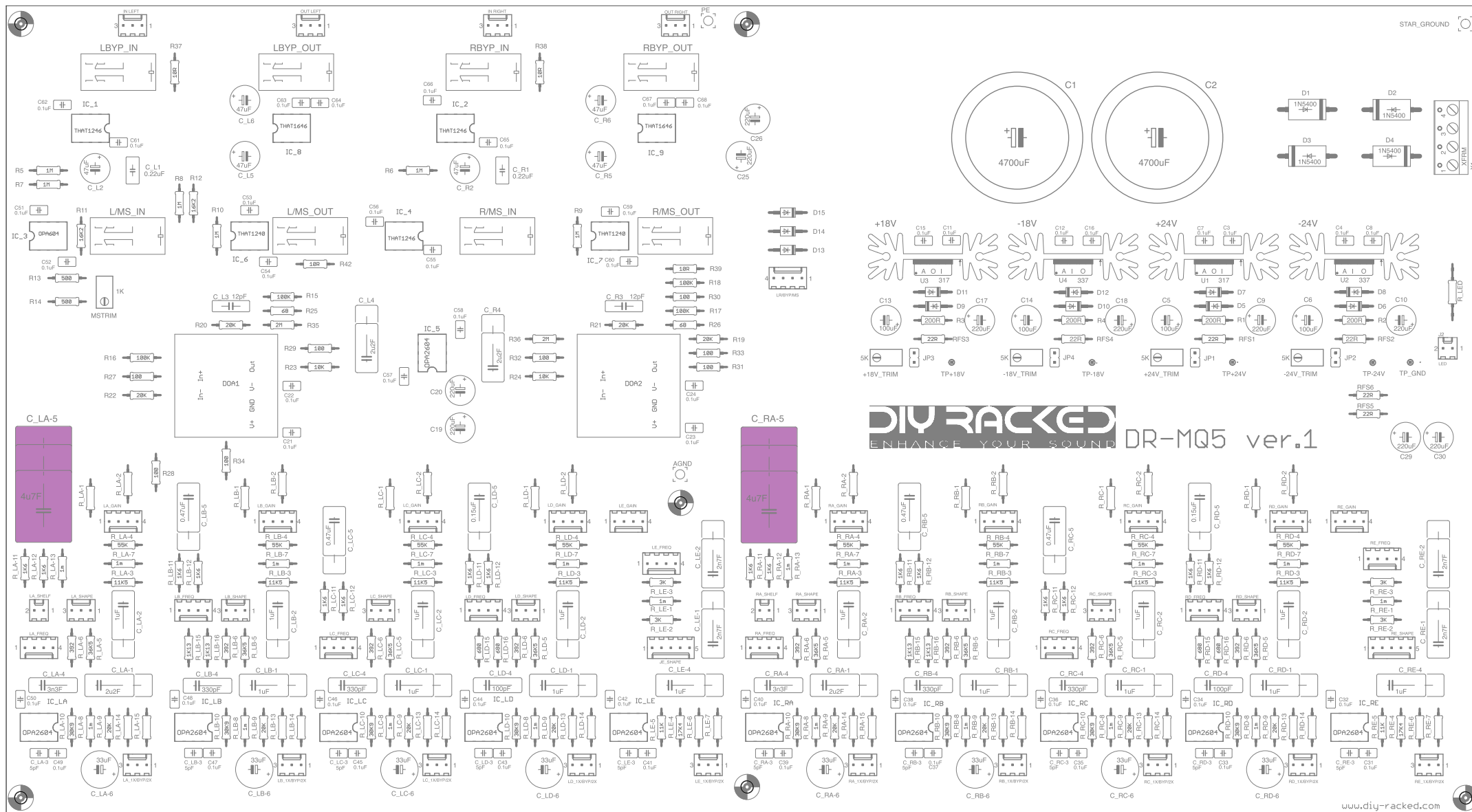
C_L4, C_R4, C_LA-1, C_RA-1



STEP 43

FILM CAPACITORS 4u7F (2 PIECES)

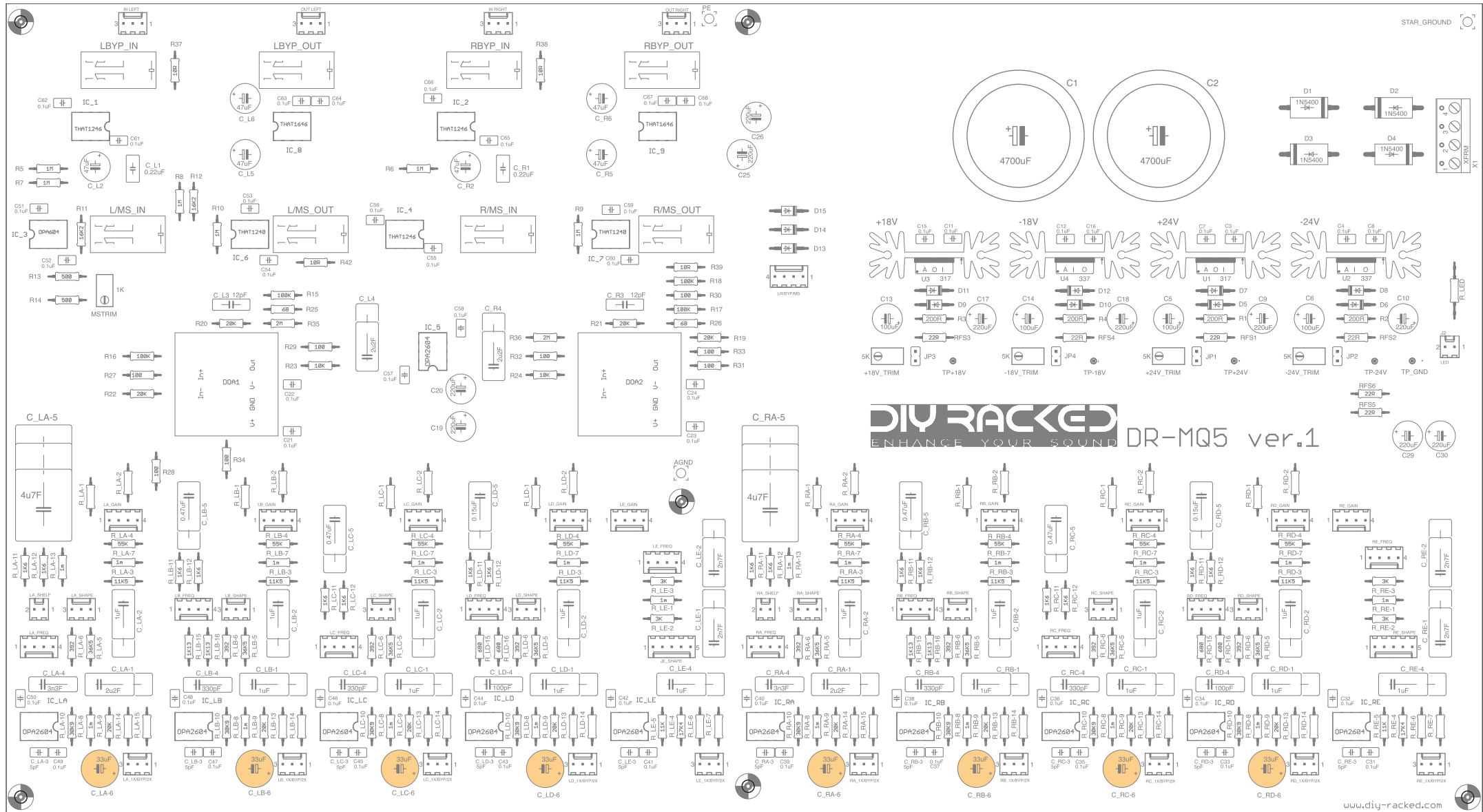
C_LA-5, C_RA-5



STEP 44

ELECTROLYTIC CAPACITORS 33uF (8 PIECES)

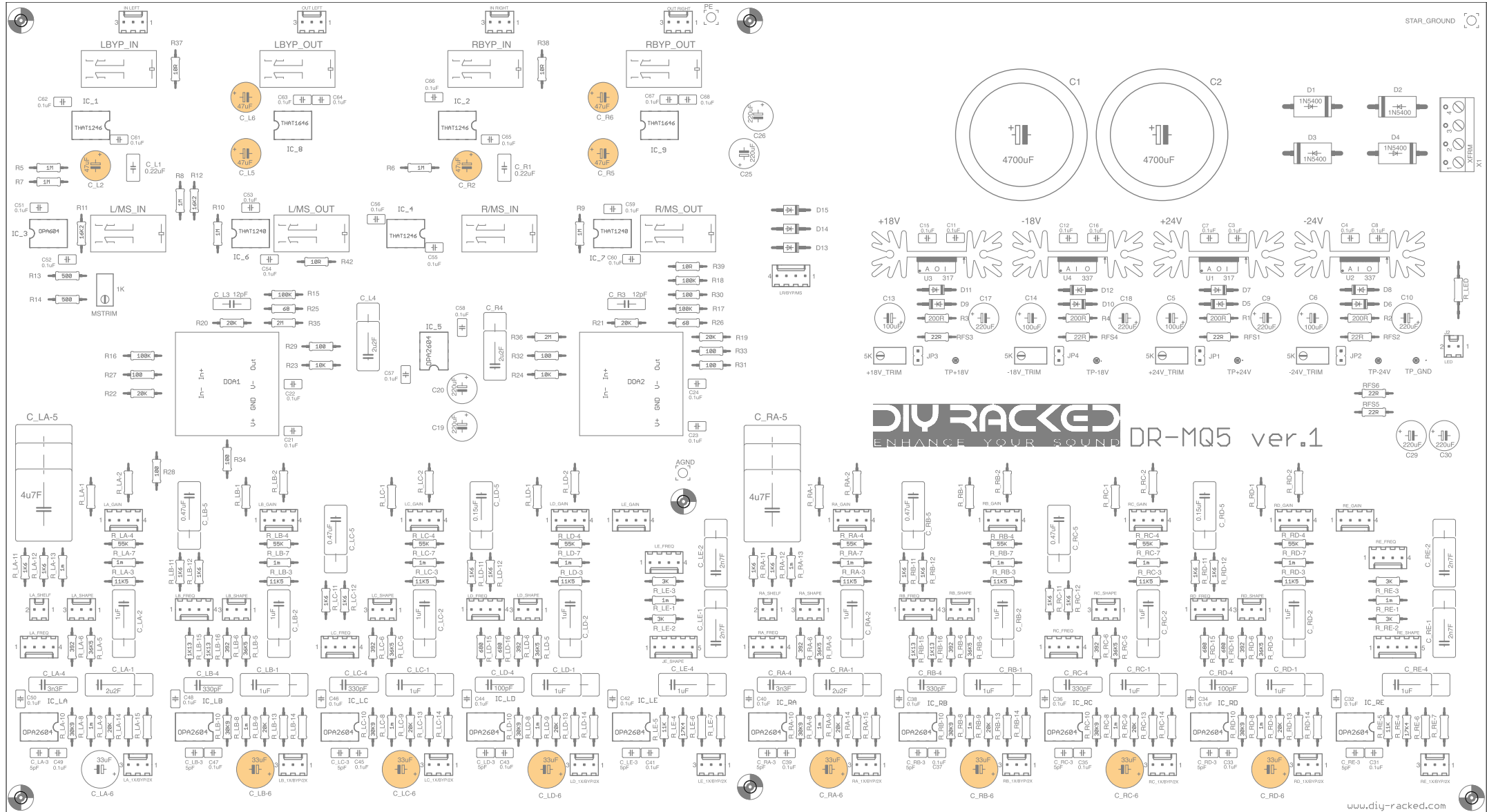
C_LA-6, C_LB-6, C_LC-6, C_LD-6, C_RA-6, C_RB-6, C_RC-6, C_RD-6



STEP 45

ELECTROLYTIC CAPACITORS 47uF (6 PIECES)

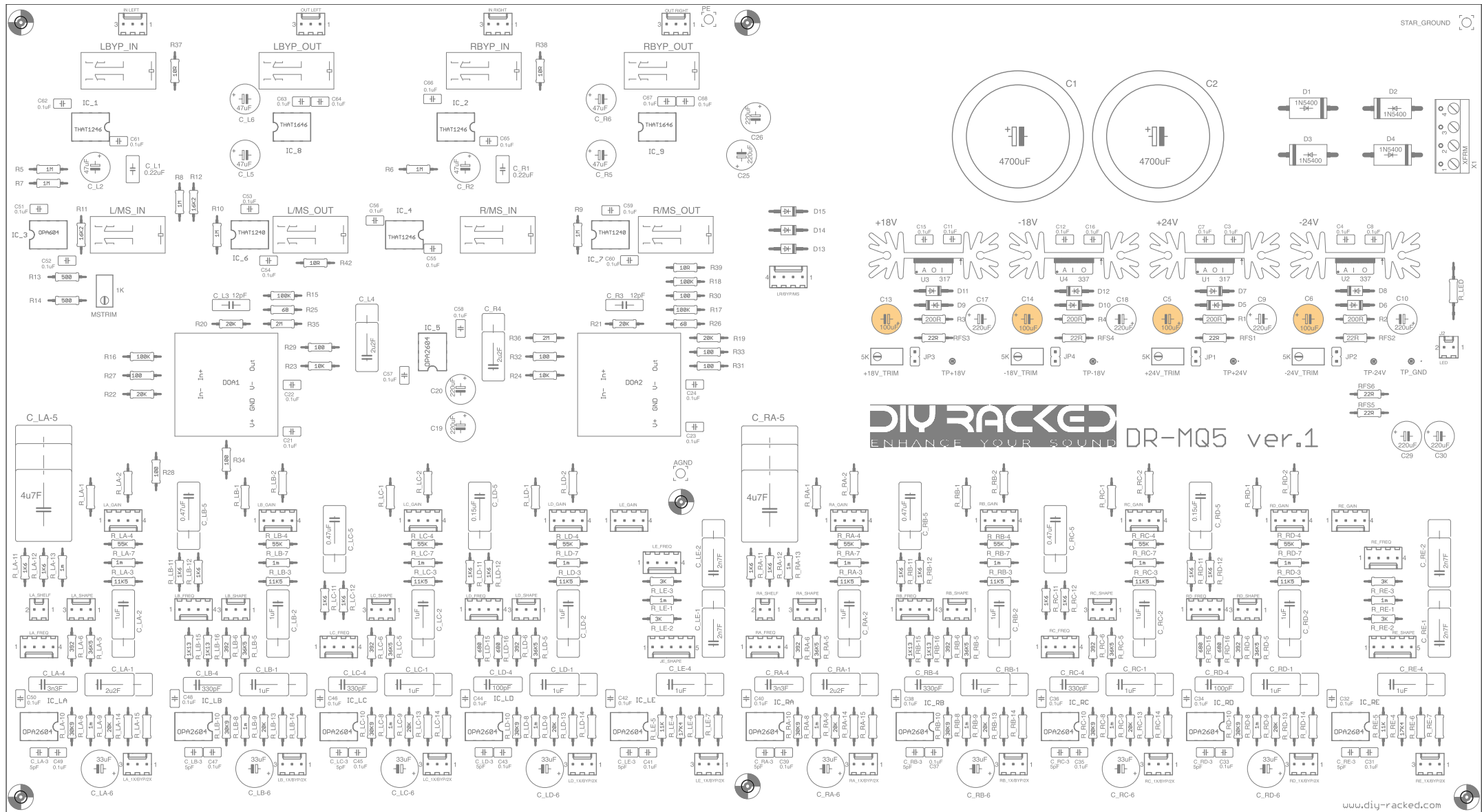
C_L2, C_R2, C_R5, C_R6, C_L5, C_L6



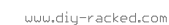
STEP 46

ELECTROLYTIC CAPACITORS 100uF (4 PIECES)

C5, C6, C13, C14



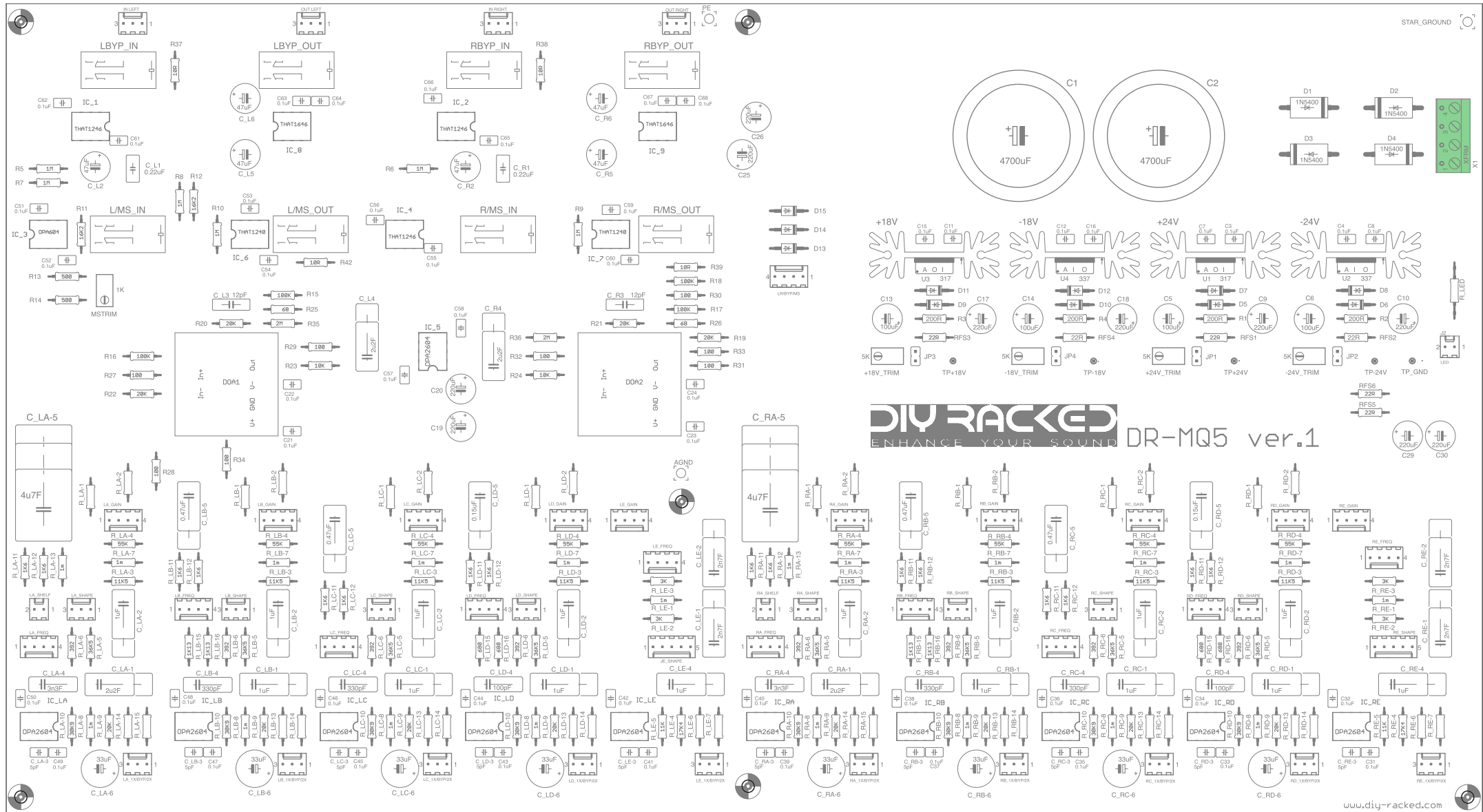
ELECTROLYTIC CAPACITORS 220uF (10 PIECES)
C9, C10, C17, C18, C19, C20, C25, C26, C29, C30



STEP 58

TERMINAL BLOCK (1 PIECES)

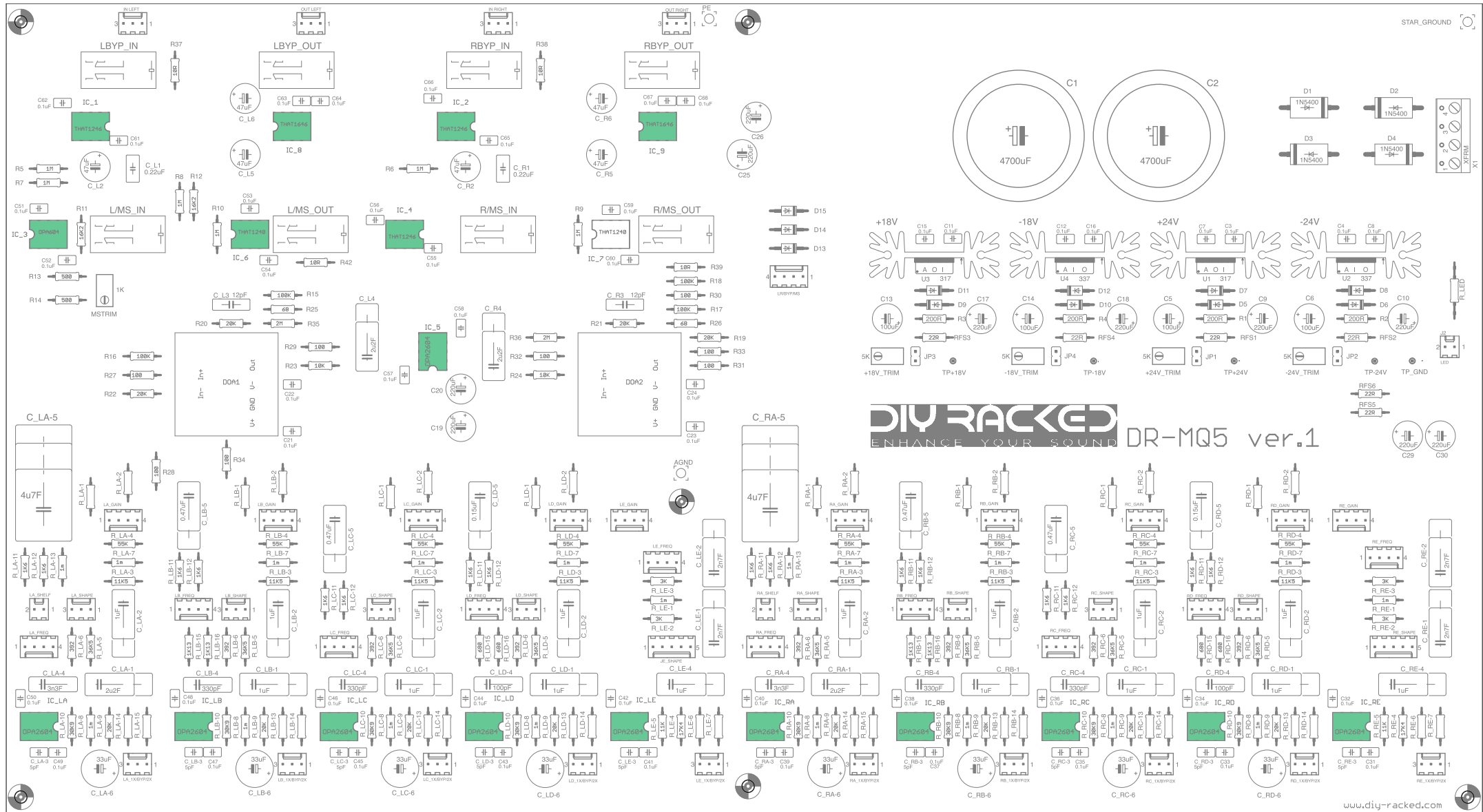
XFRM



STEP 49

IC SOKETS DIP 8 (19 PIECES)

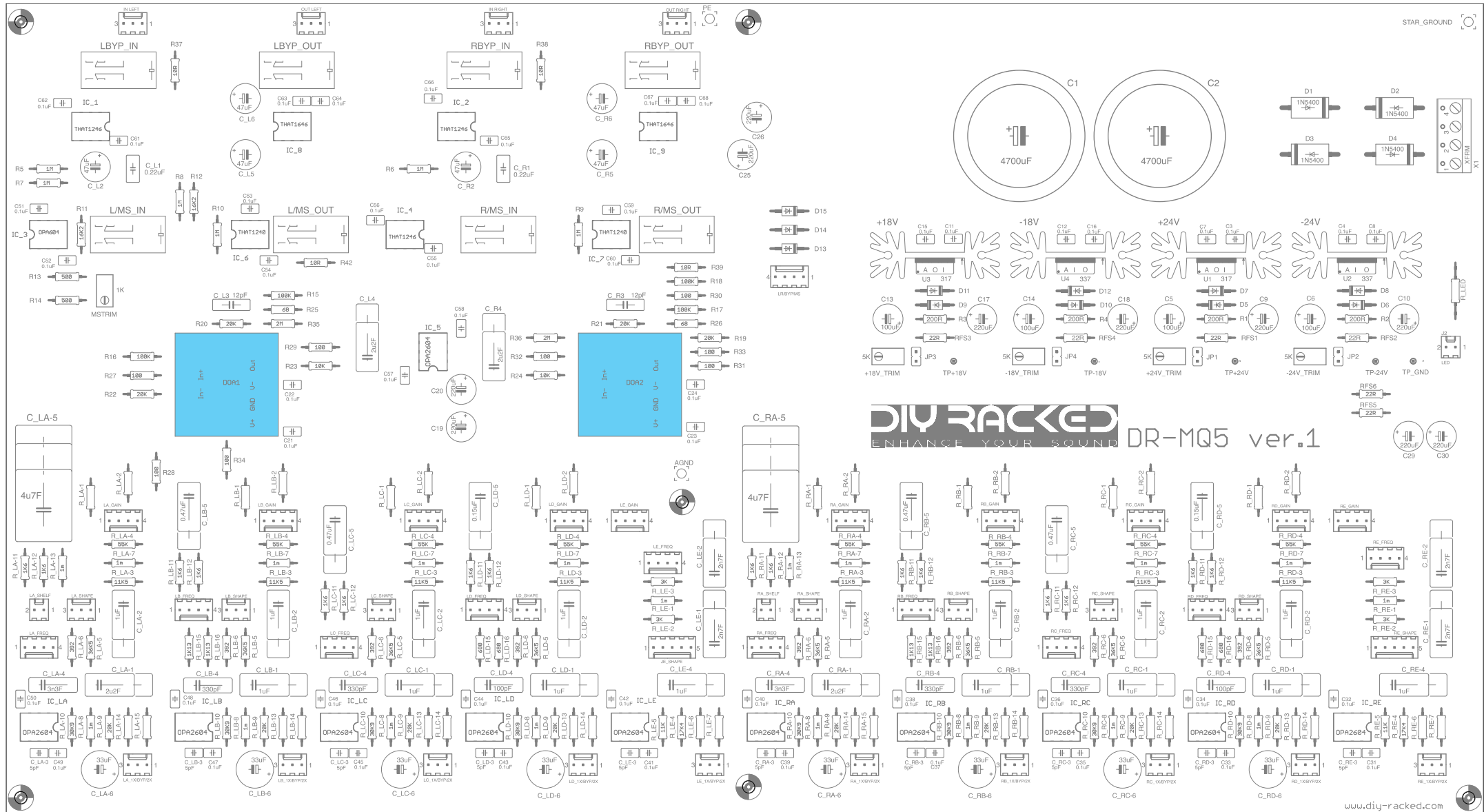
C_1, IC_2, IC_3, IC_4, IC_5, IC_6, IC_7, IC_8, IC_9, IC_LA, IC_LB,
IC_LC, IC_LD, IC_LE, IC_RA, IC_RB, IC_RC, IC_RD, IC_RE



STEP 50

DOA SOKETS (12 PIECES)

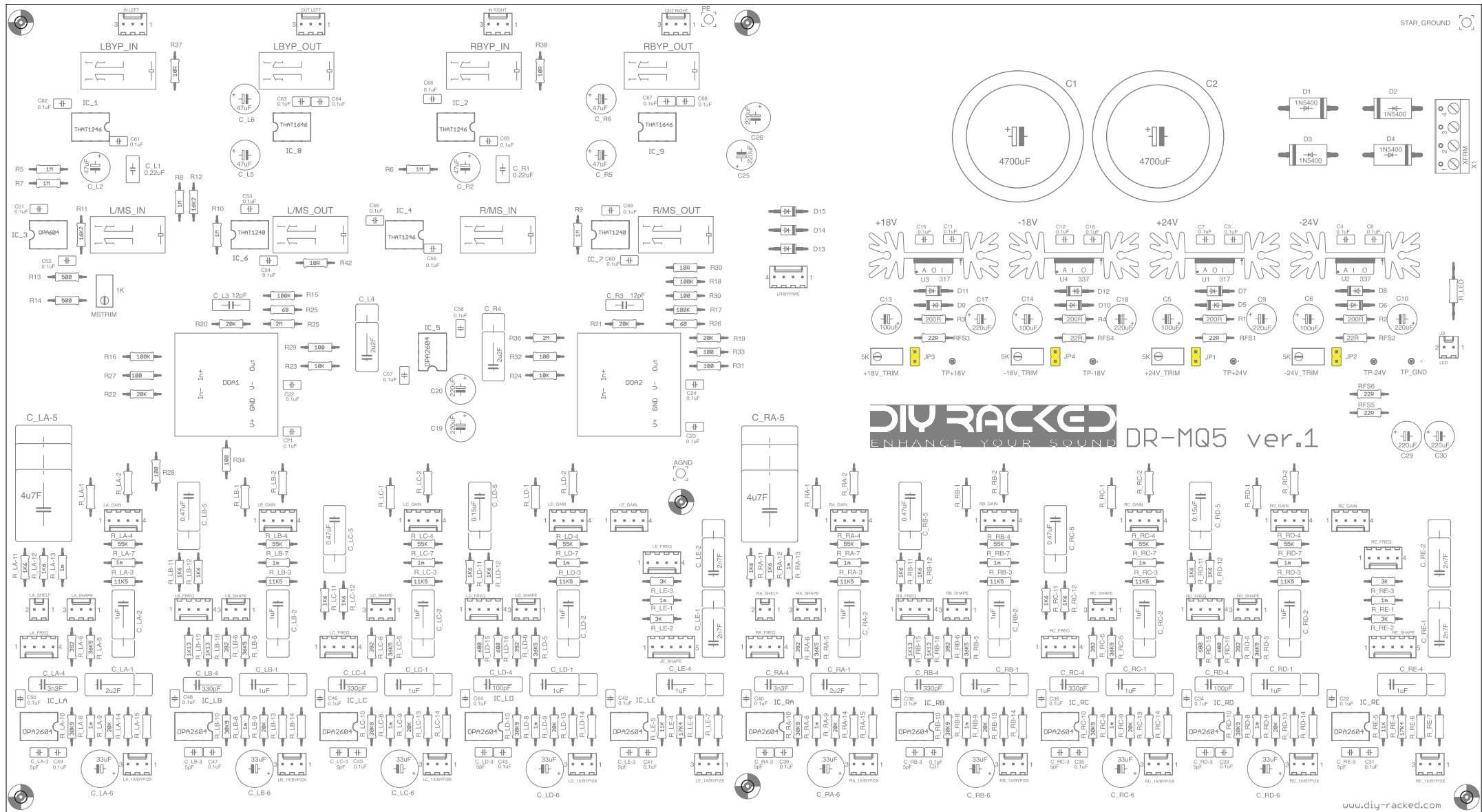
DOA1, DOA2



STEP 51

JUMPERS (4 PIECES)

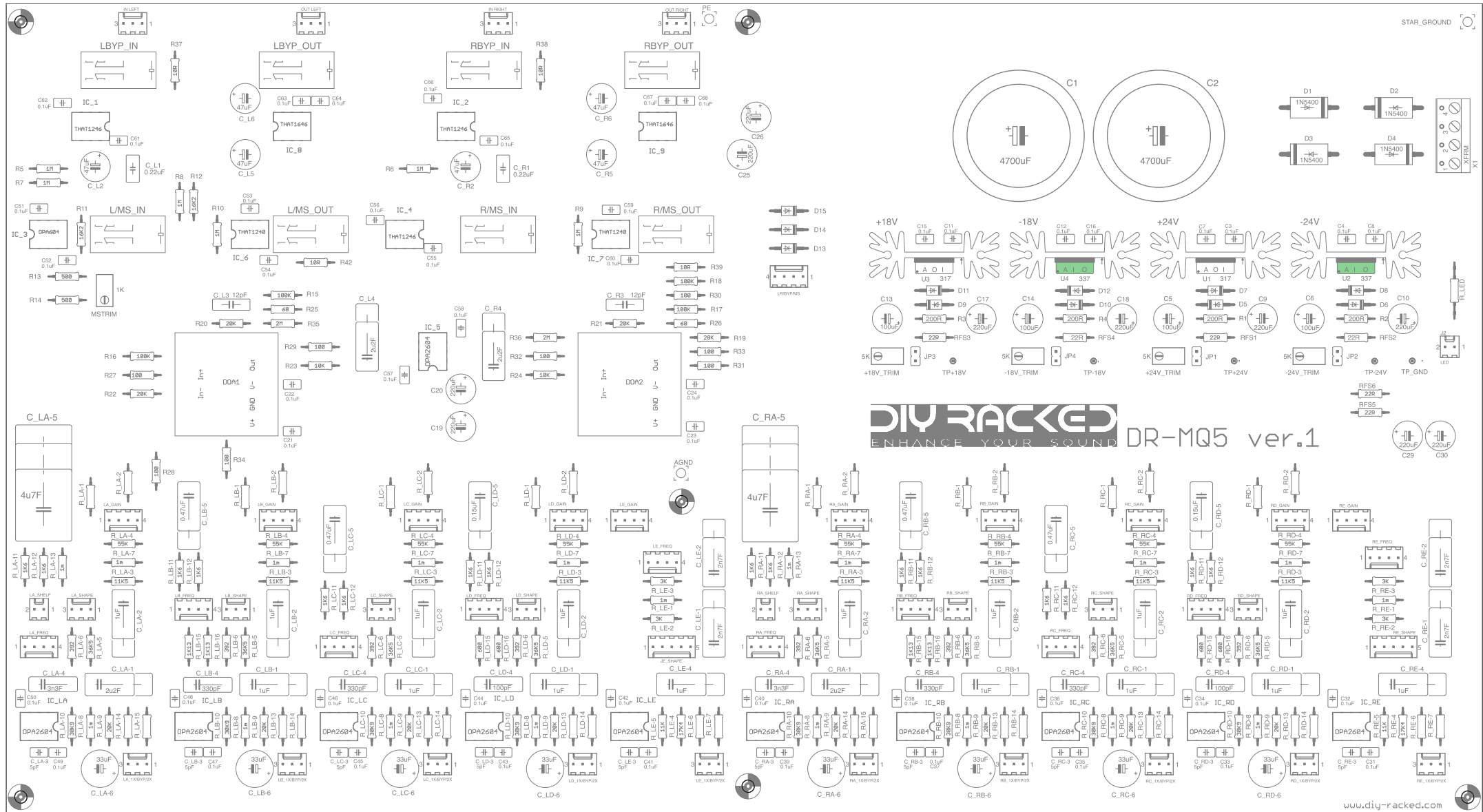
JP1, JP2, JP3, JP4



STEP 52

VOLTAGE REGULATOR 337 (2 PIECES)

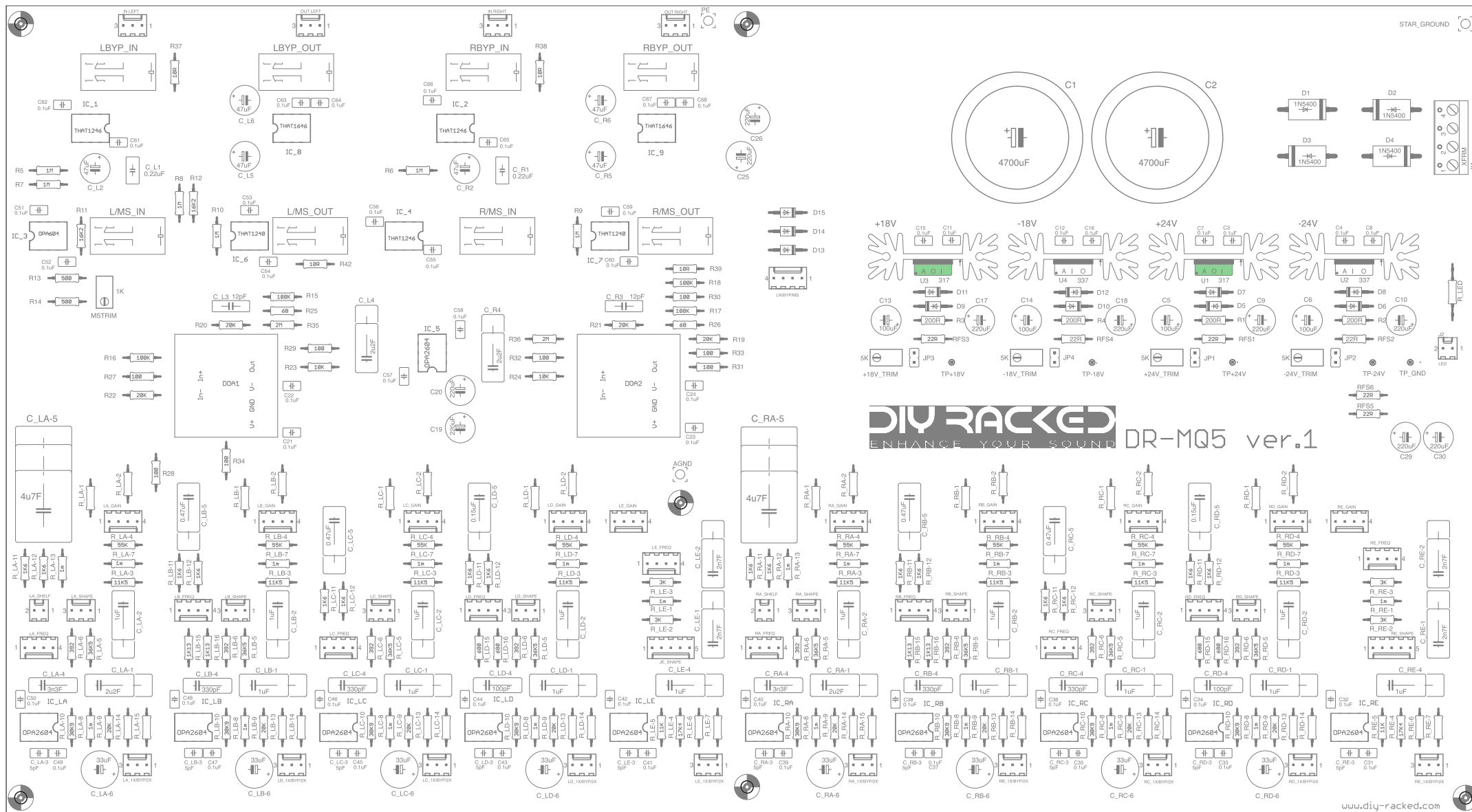
U2, U4



STEP 53

VOLTAGE REGULATOR 317 (2 PIECES)

U1, U3



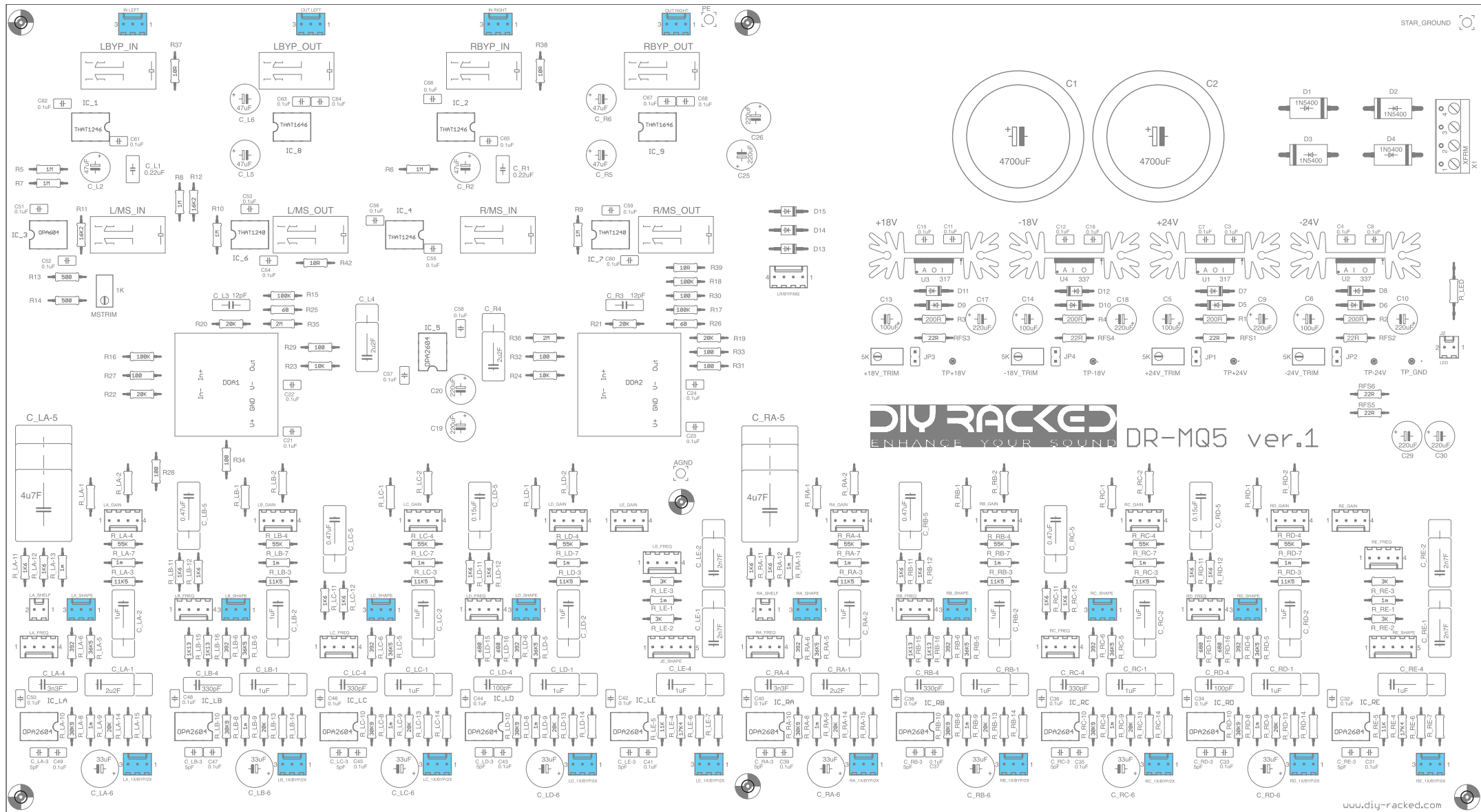
MOLEX HEADER 2PIN (3 PIECES)
LED, LA_SHELF, RA_SHELF



STEP 55

MOLEX HEADER 3PIN (22 PIECES)

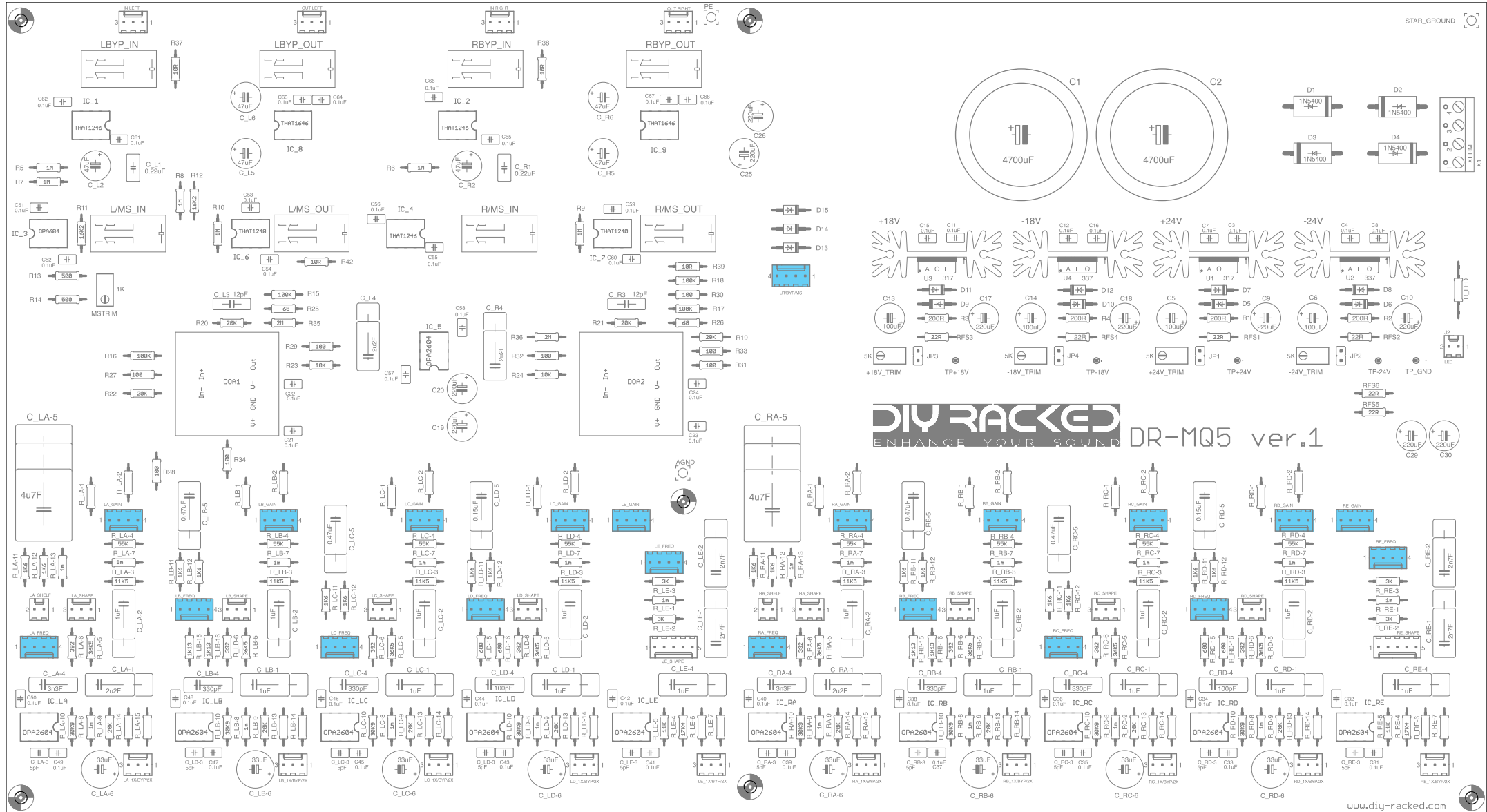
IN LEFT, OUT LEFT, IN RIGHT, OUT RIGHT, LA_1X/BYP/2X, LA_SHAPE, LB_1X/BYP/2X, LB_SHAPE, LC_1X/BYP/2X, LC_SHAPE, LD_1X/BYP/2X, LD_SHAPE, LE_1X/BYP/2X, RA_1X/BYP/2X, RA_SHAPE, RB_1X/BYP/2X, RB_SHAPE, RC_1X/BYP/2X, RC_SHAPE, RD_1X/BYP/2X, RD_SHAPE, RE_1X/BYP/2X,



STEP 56

MOLEX HEADER 4PIN (21 PIECES)

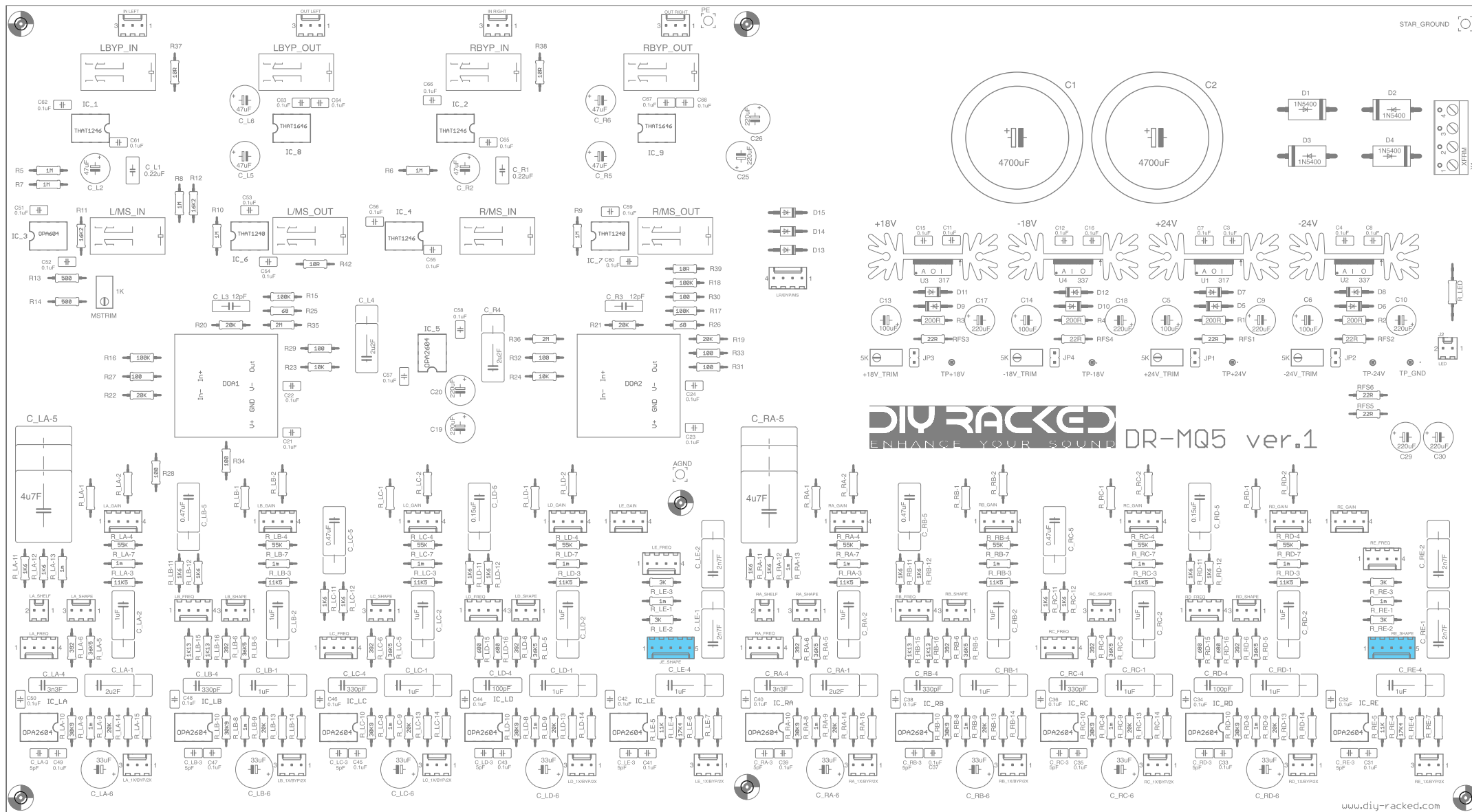
LA_FREQ, LA_GAIN, LB_FREQ, LB_GAIN, LC_FREQ, LC_GAIN, LD_FREQ,
LD_GAIN, LE_FREQ, LE_GAIN, LR/BYP/MS, RA_FREQ, RA_GAIN, RB_FREQ,
RB_GAIN, RC_FREQ, RC_GAIN, RD_FREQ, RD_GAIN, RE_FREQ, RE_GAIN



STEP 57

MOLEX HEADER 5PIN (2 PIECES)

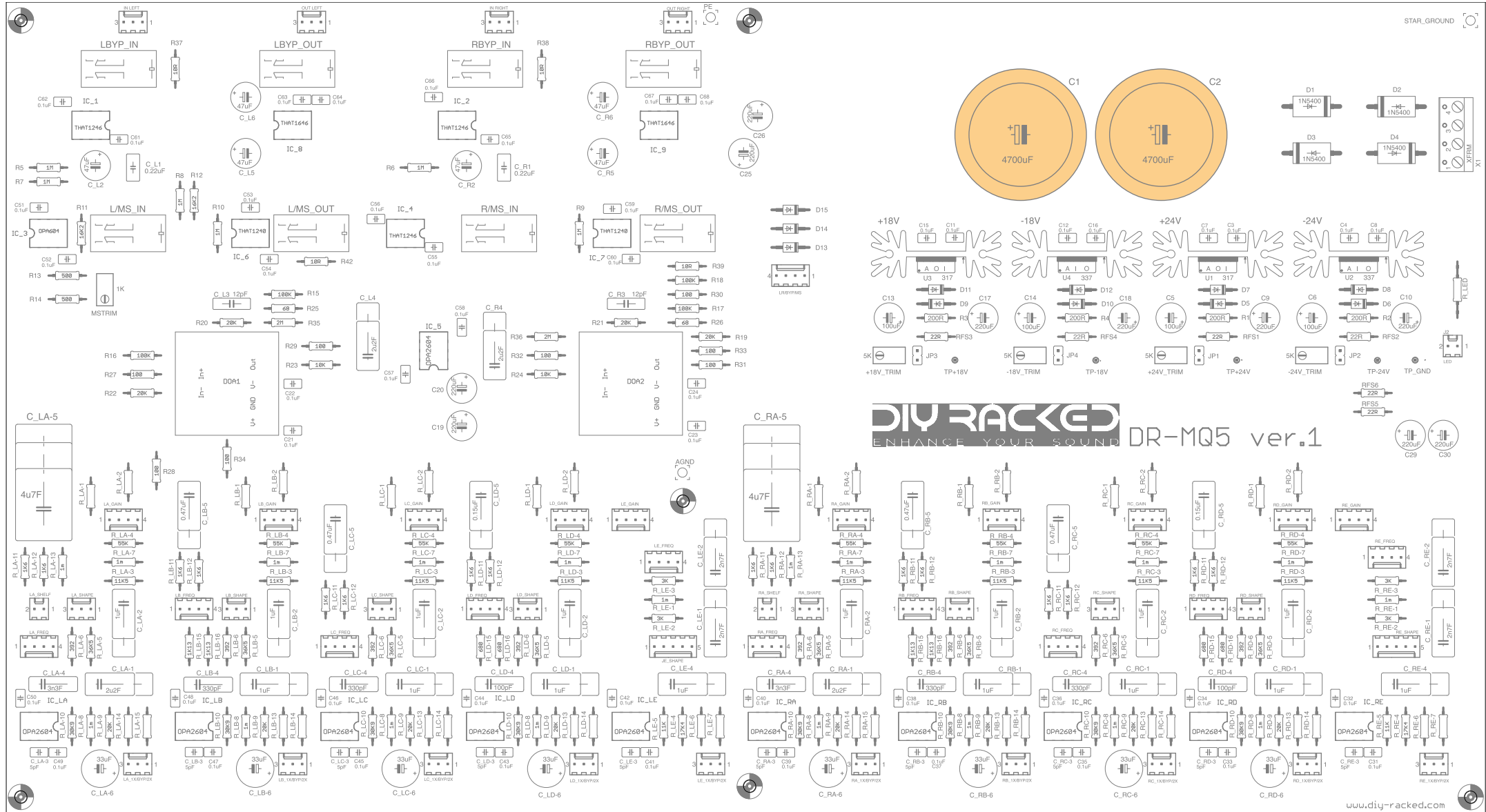
JE_SHAPE, RE_SHAPE



STEP 48

ELECTROLYTIC CAPACITORS 4700uF (2 PIECES)

C1, C2



STEP 59

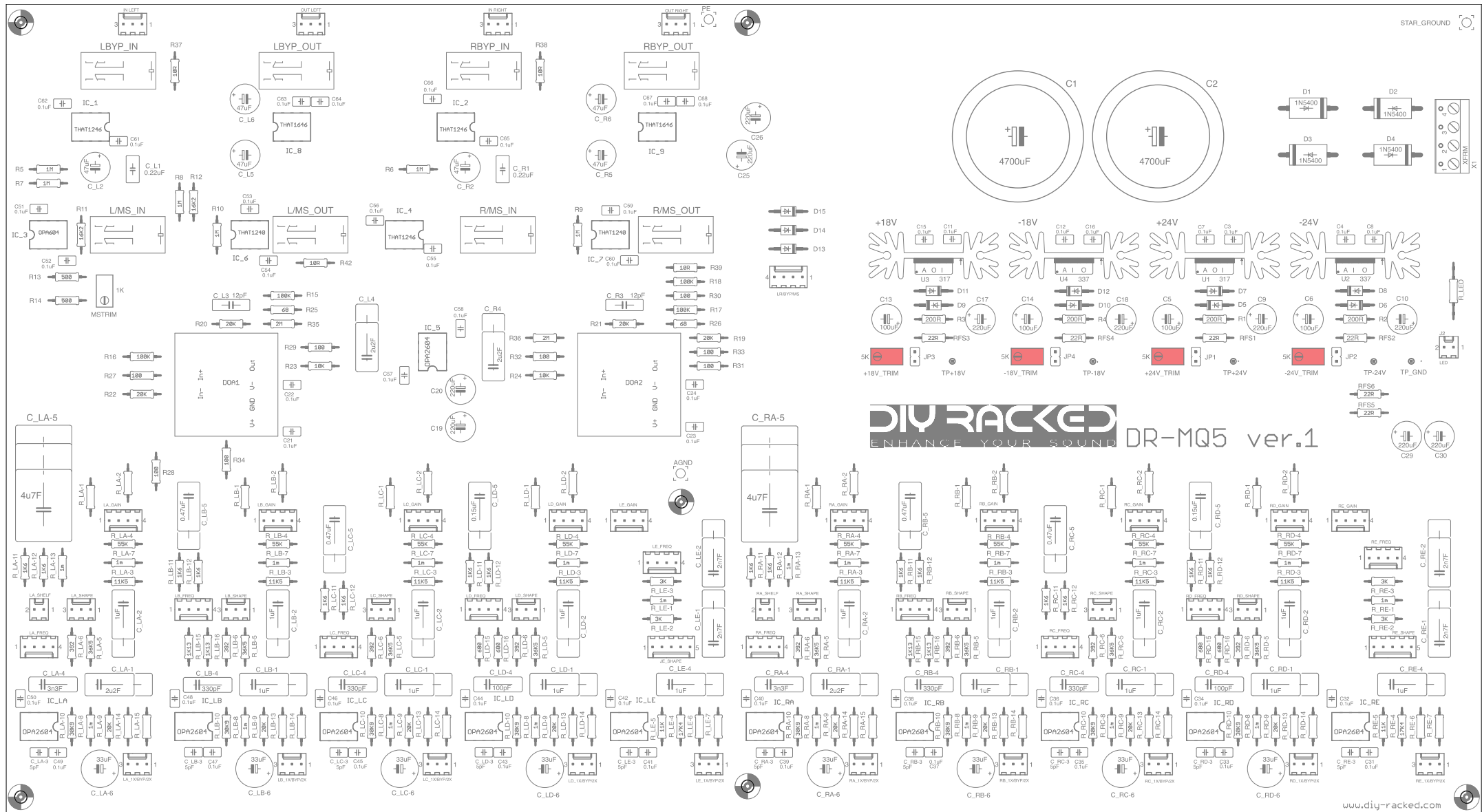
CLEANING PCB WITH ISOPROPYL ALCOHOL AND DRYING



STEP 54

TRIMPOT 5K (4 PIECES)

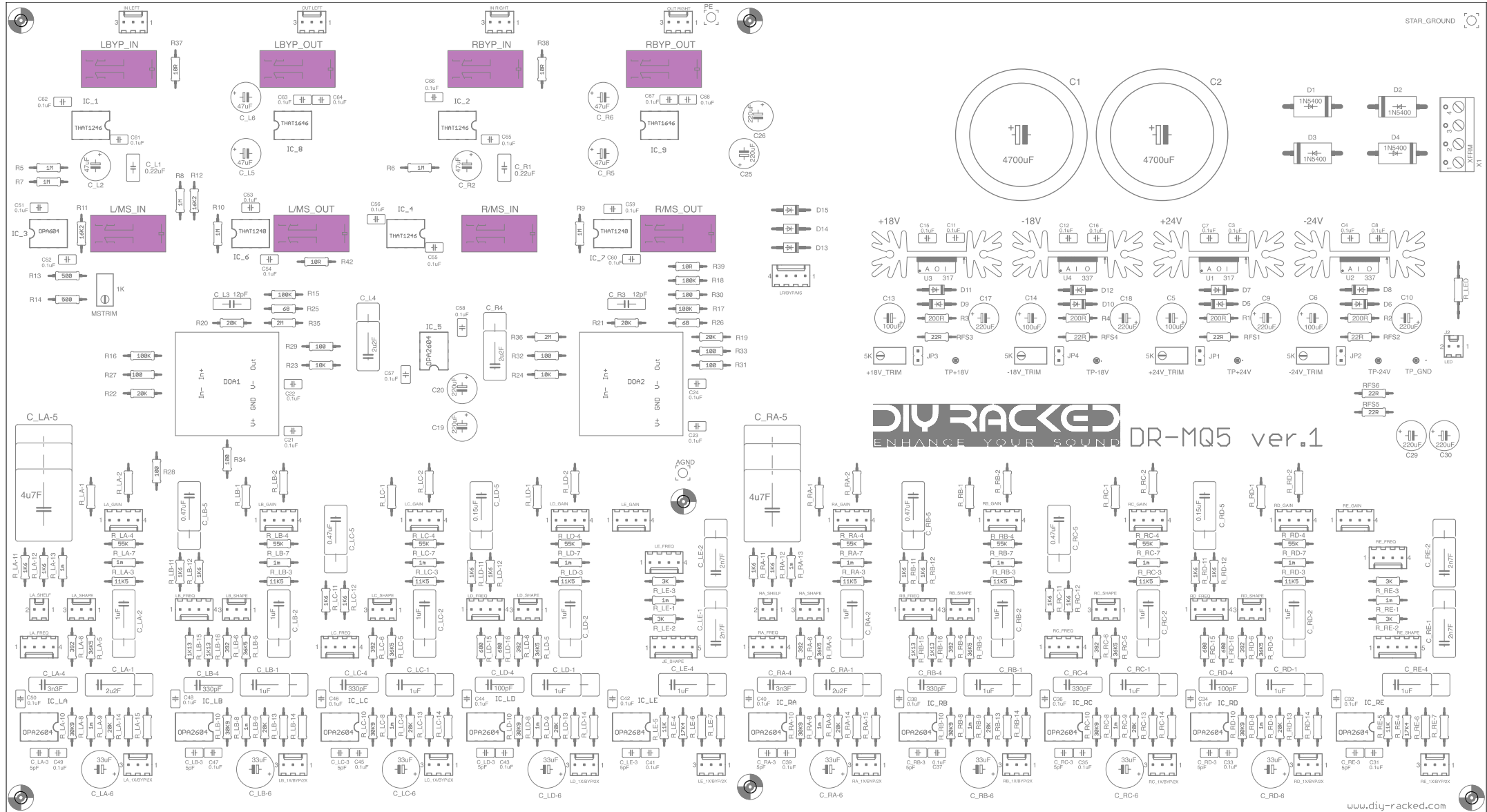
+18V_TRIM, +24V_TRIM, -18V_TRIM, -24V_TRIM



STEP 51

REALAYS (8 PIECES)

LBYP_IN, LBYP_OUT, RBYP_IN, RBYP_OUT,
L/MS_IN, L/MS_OUT, R/MS_IN, R/MS_OUT



STEP 53

TRIMPOT 1K (1 PIECES)
MSTRIM

