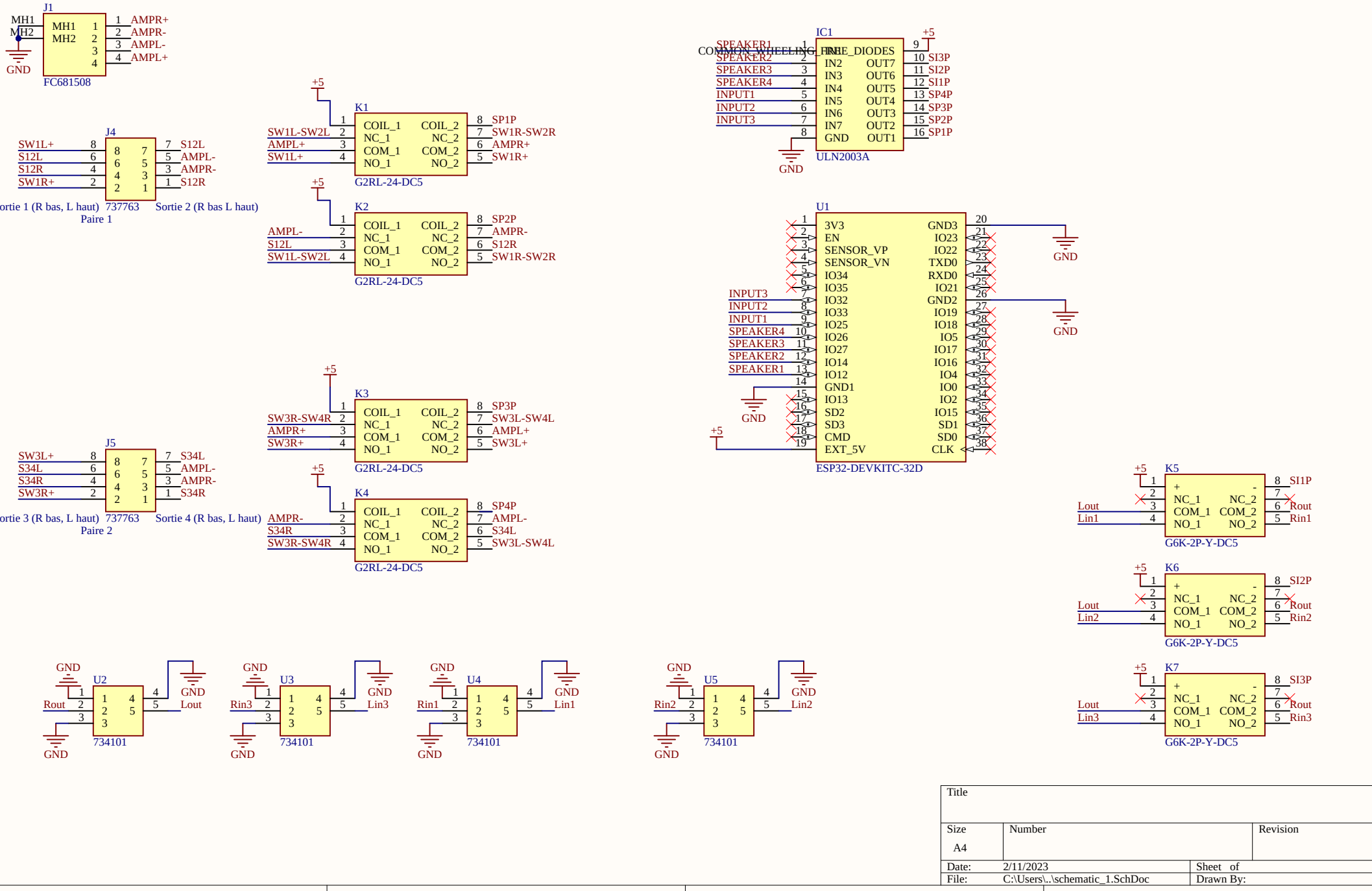
J1
MH1
MH2
GND
MH1
MH2
1 AMPR+
2 AMPR-
3 AMPL-
4 AMPL+
FC681508
J4
SW1L+ 8
S12L 6
S12R 4
SW1R+ 2
8 7
6 5
4 3
2 1
7 S12L
5 AMPL-
3 AMPR-
1 S12R
Sortie 1 (R bas, L haut)
737763
Sortie 2 (R bas L haut)
Paire 1
J5
SW3L+ 8
S34L 6
S34R 4
SW3R+ 2
8 7
6 5
4 3
2 1
7 S34L
5 AMPL-
3 AMPR-
1 S34R
Sortie 3 (R bas, L haut)
737763
Sortie 4 (R bas, L haut)
Paire 2
+5
K1
SW1L-SW2L 2
AMPL+ 3
SW1L+ 4
COIL_1 COIL_2
NC_1 NC_2
COM_1 COM_2
NO_1 NO_2
8 SP1P
7 SW1R-SW2R
6 AMPR+
5 SW1R+
G2RL-24-DC5
K2
AMPL- 2
S12L 3
SW1L-SW2L 4
8 SP2P
7 AMPR-
6 S12R
5 SW1R-SW2R
G2RL-24-DC5
K3
SW3R-SW4R 2
AMPR+ 3
SW3R+ 4
8 SP3P
7 SW3L-SW4L
6 AMPL+
5 SW3L+
G2RL-24-DC5
K4
AMPR- 2
S34R 3
SW3R-SW4R 4
8 SP4P
7 AMPL-
6 S34L
5 SW3L-SW4L
G2RL-24-DC5
IC1
+5
SPEAKER1 1
SPEAKER2 2
SPEAKER3 3
SPEAKER4 4
INPUT1 5
INPUT2 6
INPUT3 7
8
COMMON_WHEELING_DIODES
IN1 IN2 IN3 IN4 IN5 IN6 IN7 GND
OUT8 OUT7 OUT6 OUT5 OUT4 OUT3 OUT2 OUT1
9 10 SI3P 11 SI2P 12 SI1P 13 SP4P 14 SP3P 15 SP2P 16 SP1P
GND
ULN2003A
U1
3V3 1
EN 2
SENSOR_VP 3
SENSOR_VN 4
IO34 5
IO35 6
INPUT3 7
INPUT2 8
INPUT1 9
SPEAKER4 10
SPEAKER3 11
SPEAKER2 12
SPEAKER1 13
14
GND1 15
IO13 16
SD2 17
SD3 18
CMD 19
EXT_5V
GND3 20
IO23 21
IO22 22
TXD0 23
RXD0 24
IO21 25
GND2 26
IO19 27
IO18 28
IO5 29
IO17 30
IO16 31
IO4 32
IO0 33
IO2 34
IO15 35
SD1 36
SD0 37
CLK 38
GND
GND
GND
+5
ESP32-DEVKITC-32D
K5
+5
Lout 3
Lin1 4
NC_1 NC_2
COM_1 COM_2
NO_1 NO_2
8 SI1P
7
6 Rout
5 Rin1
G6K-2P-Y-DC5
K6
+5
Lout 3
Lin2 4
NC_1 NC_2
COM_1 COM_2
NO_1 NO_2
8 SI2P
7
6 Rout
5 Rin2
G6K-2P-Y-DC5
K7
+5
Lout 3
Lin3 4
NC_1 NC_2
COM_1 COM_2
NO_1 NO_2
8 SI3P
7
6 Rout
5 Rin3
G6K-2P-Y-DC5
U2
GND
Rout 2
3
1 4
2 5
3
4
5
GND
Lout
GND
734101
U3
GND
Rin3 2
3
1 4
2 5
3
4
5
GND
Lin3
GND
734101
U4
GND
Rin1 2
3
1 4
2 5
3
4
5
GND
Lin1
GND
734101
U5
GND
Rin2 2
3
1 4
2 5
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5
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Lin2
GND
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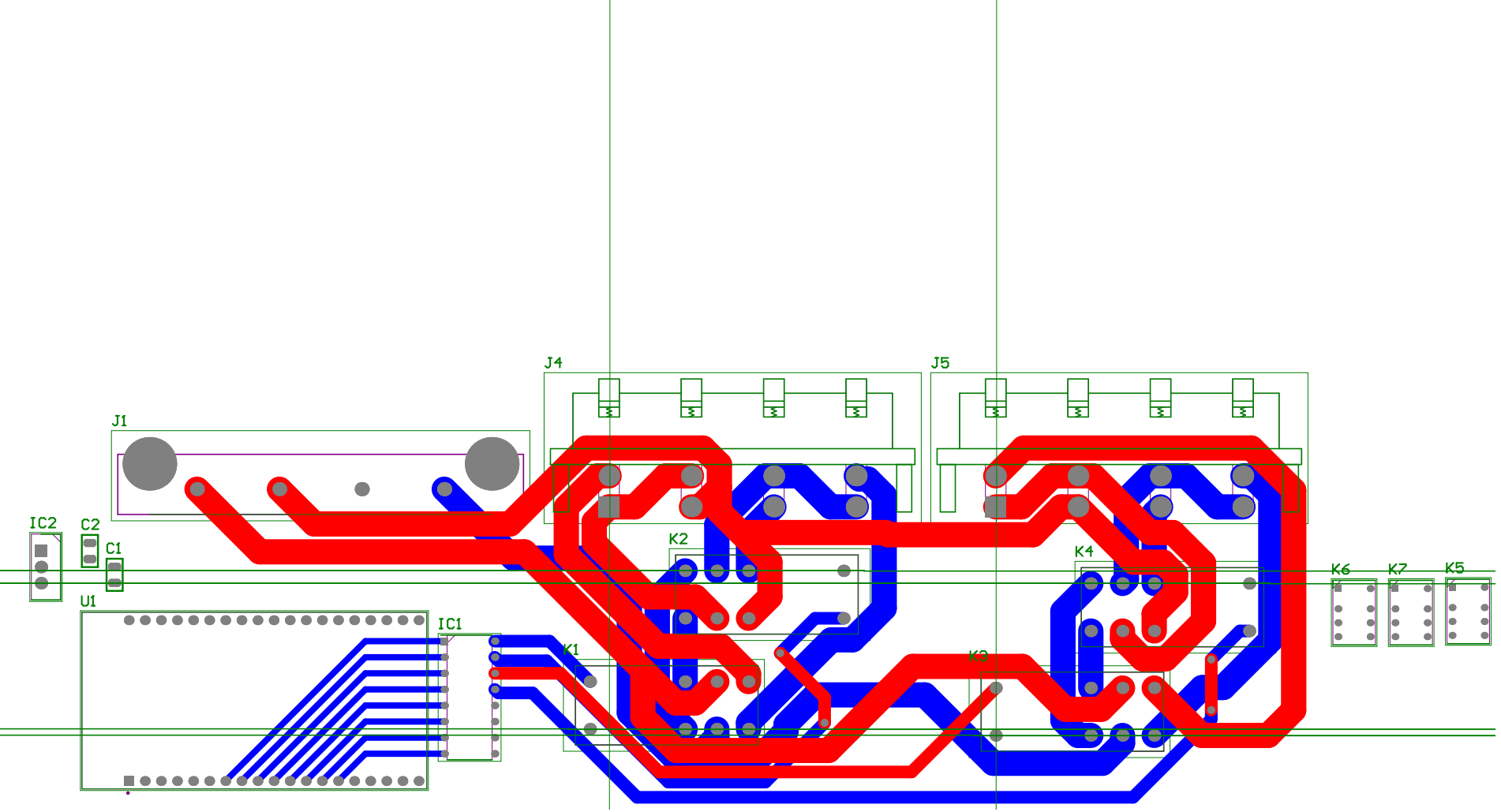
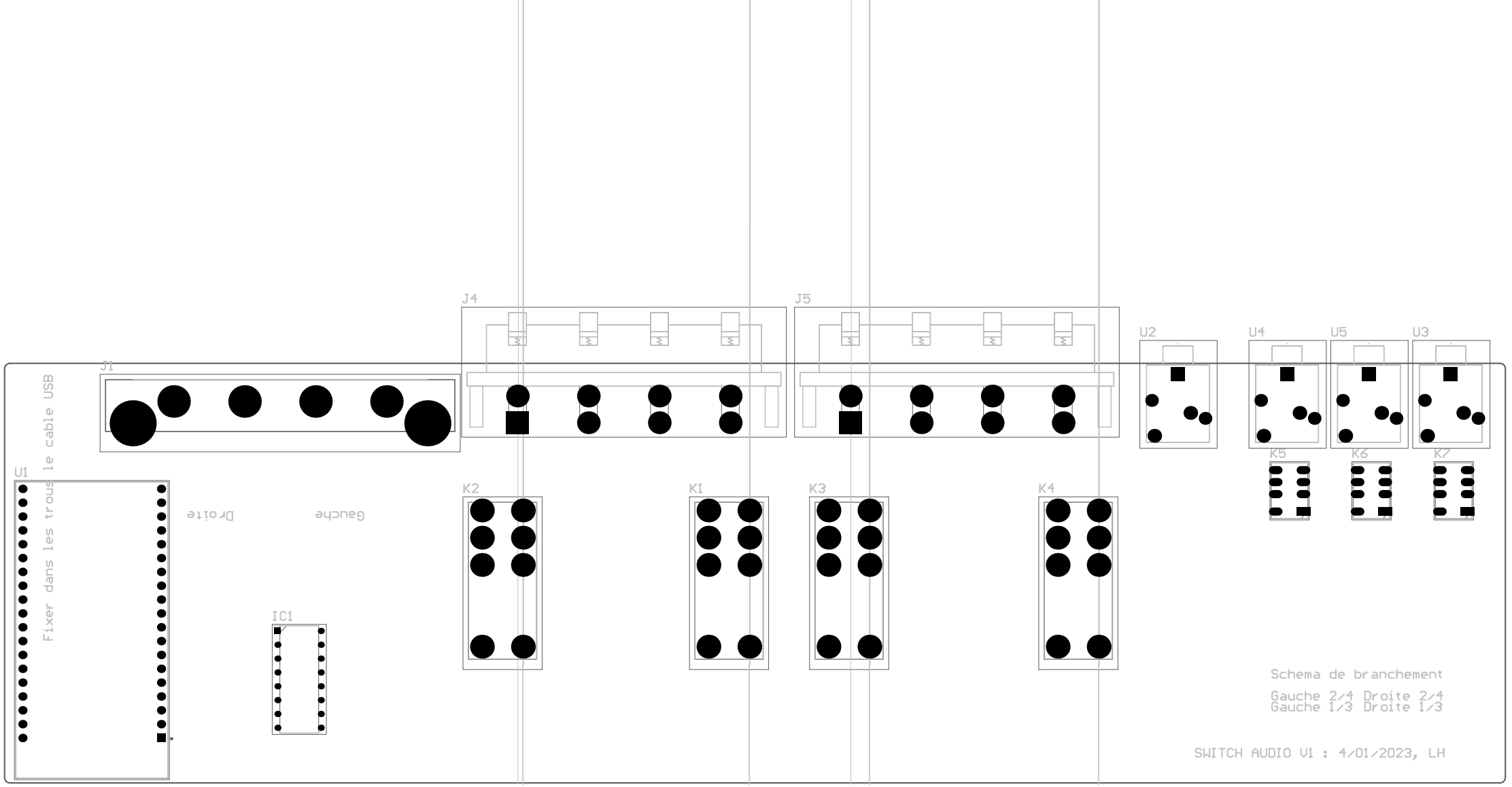
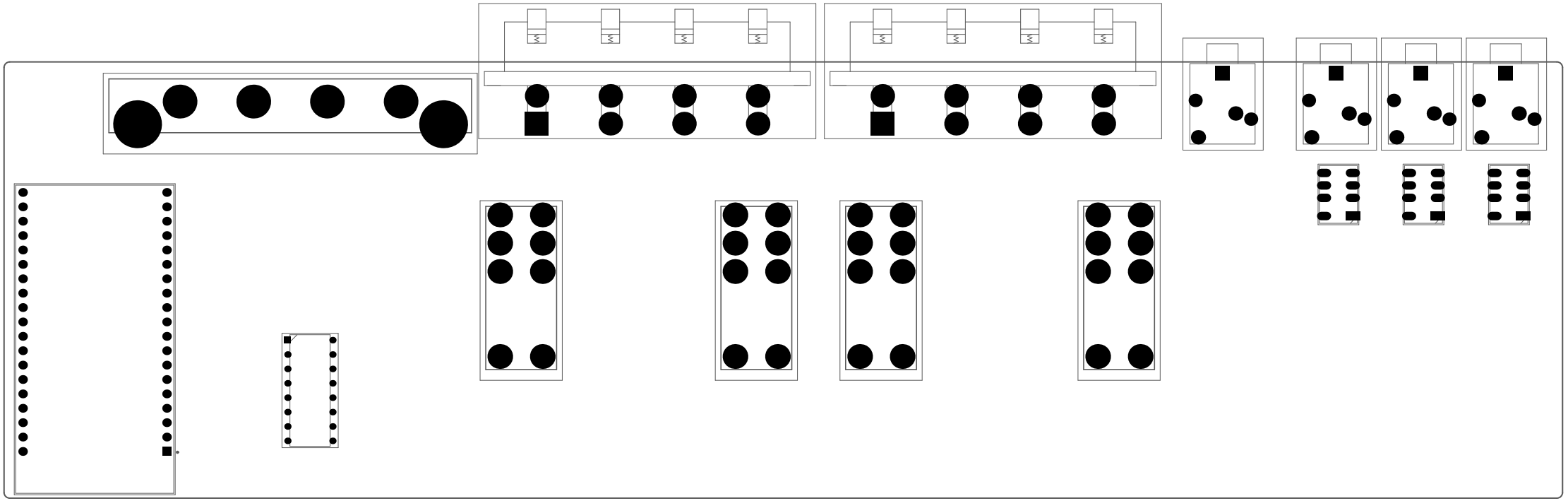
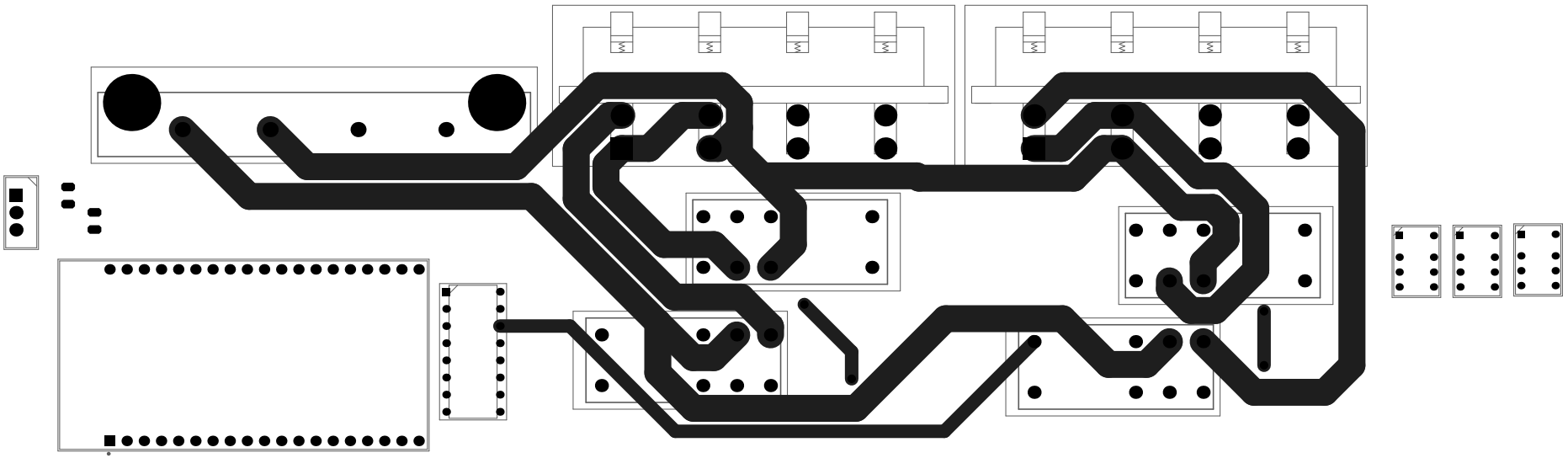
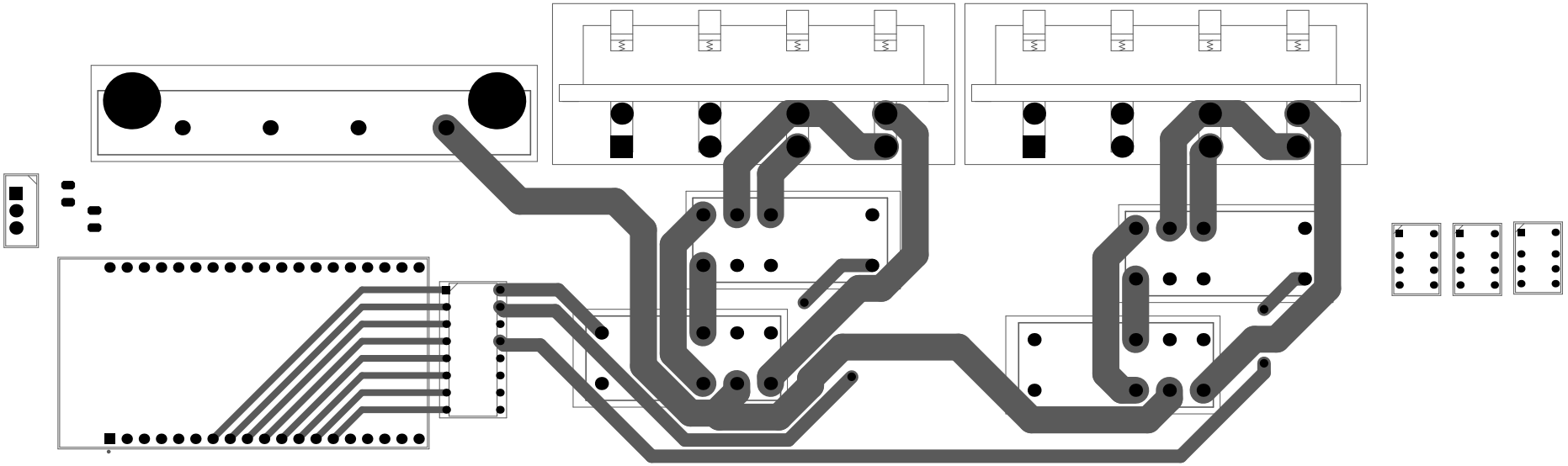
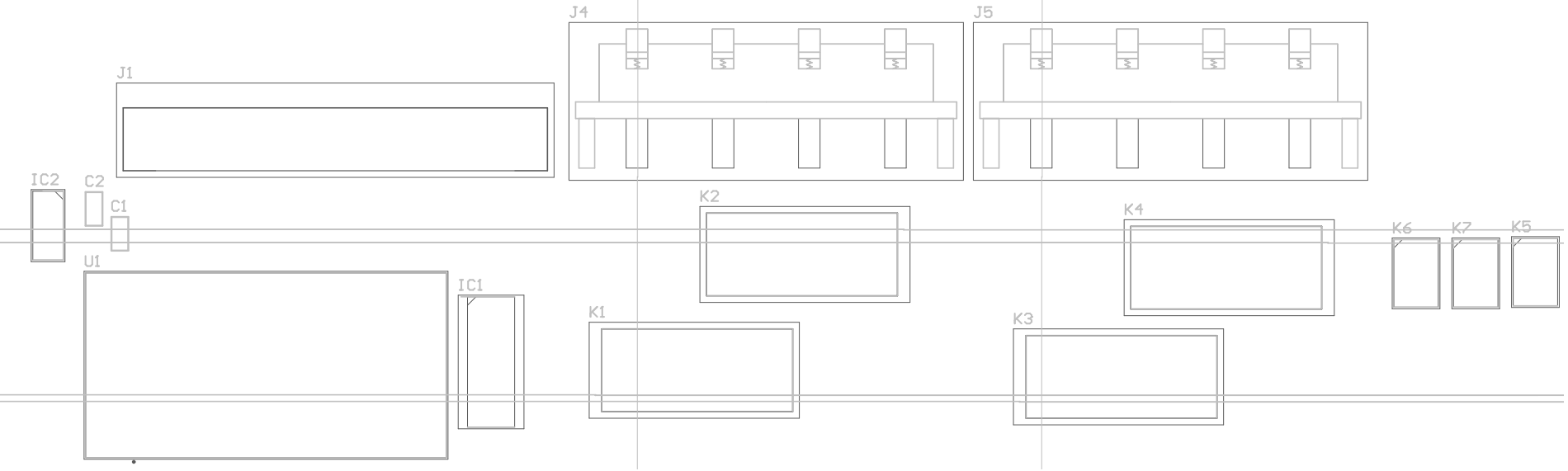

J4
J5
J1
IC2
C2
C1
K2
K4
K6
K7
K5
U1
IC1
K1
K3

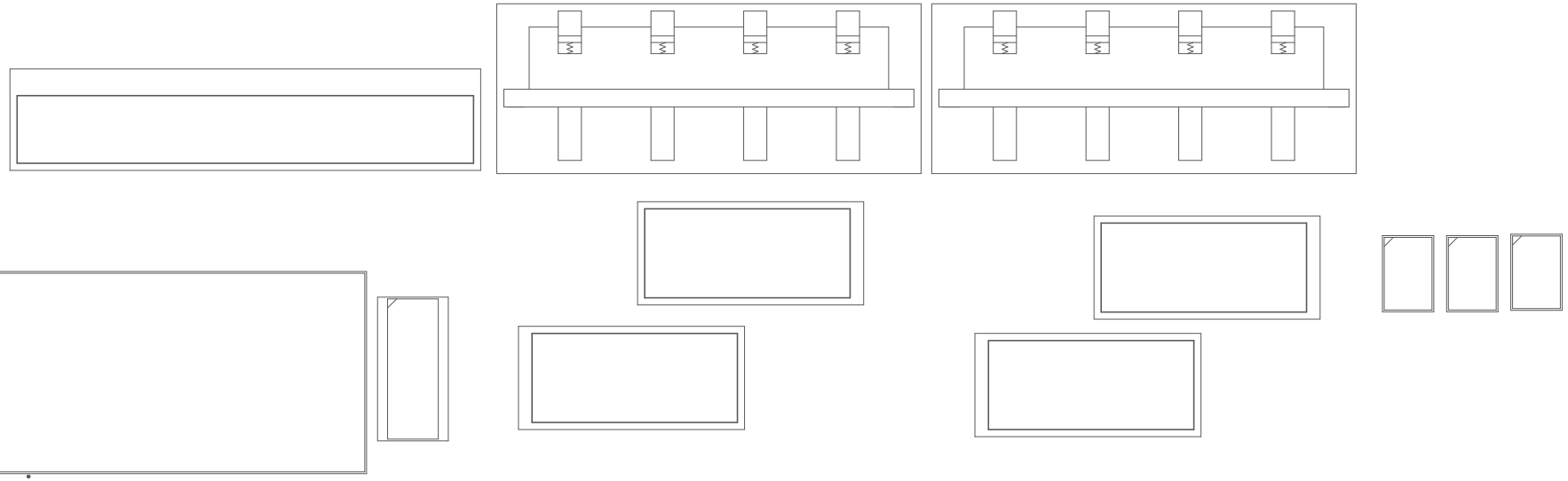

J4
J5
U2
U4
U5
U3
J1
K5
K6
K7
U1
K2
K1
K3
K4
Fixer dans les trous le cable USB
Droite
Gauche
IC1
Schema de branchement
Gauche 2/4 Droite 2/4
Gauche 1/3 Droite 1/3
SWITCH AUDIO V1 : 4/01/2023, LH

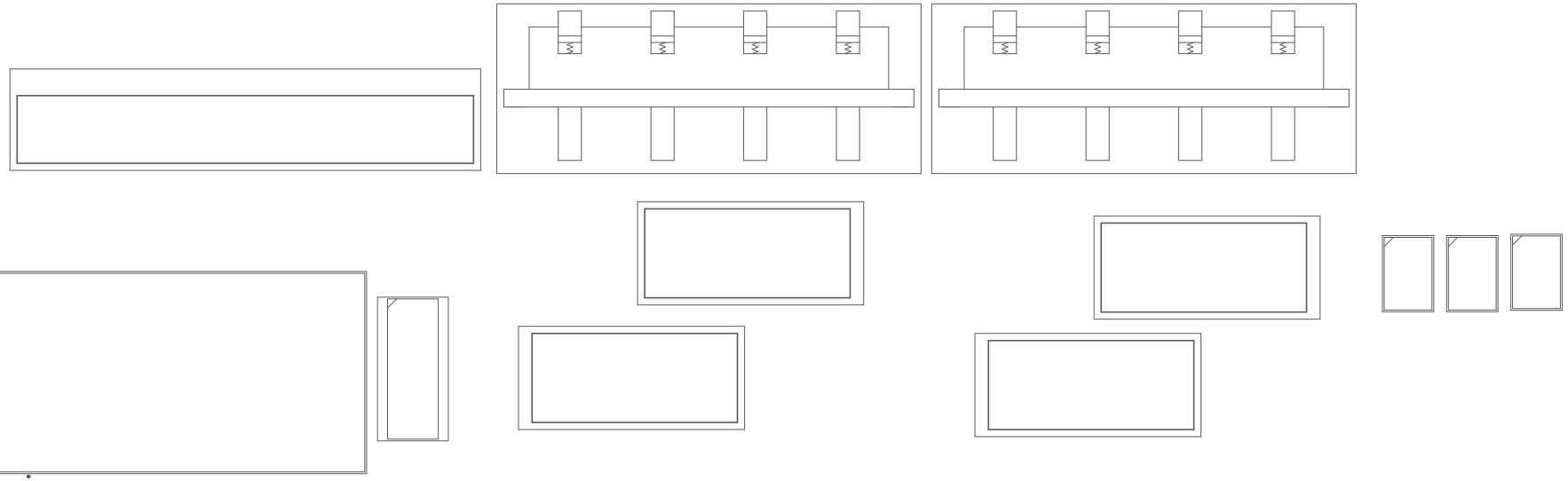


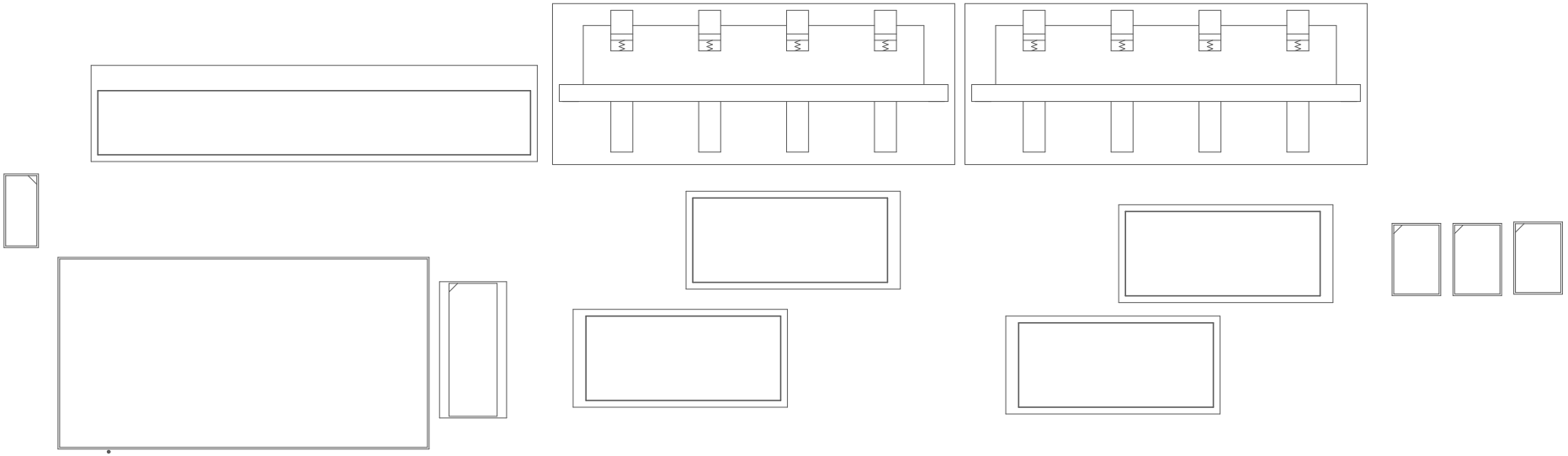


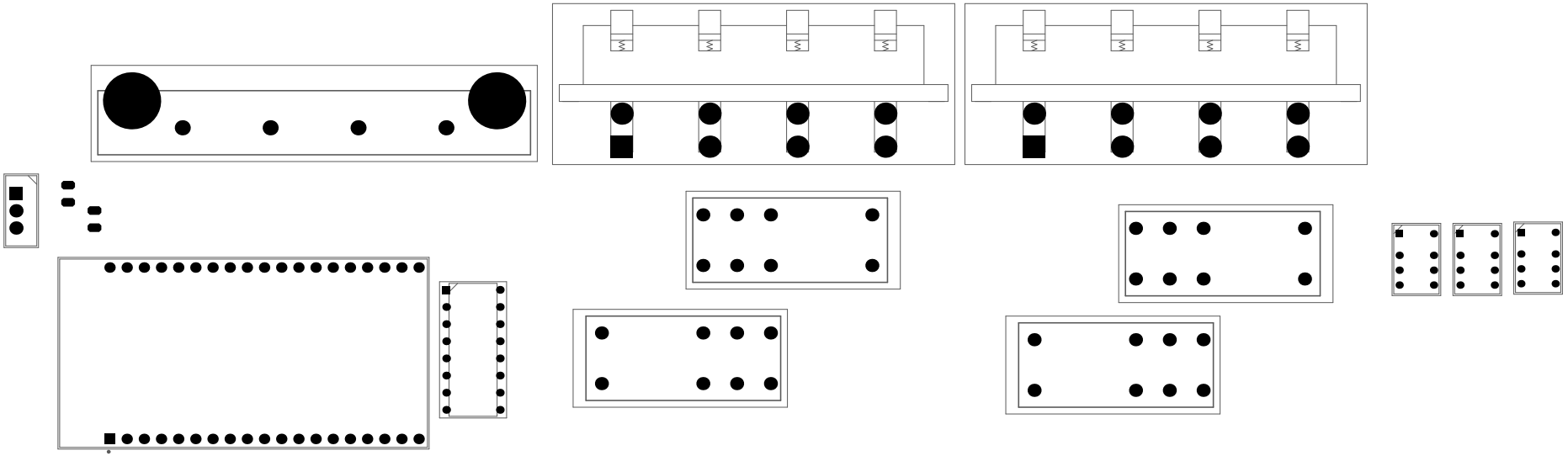


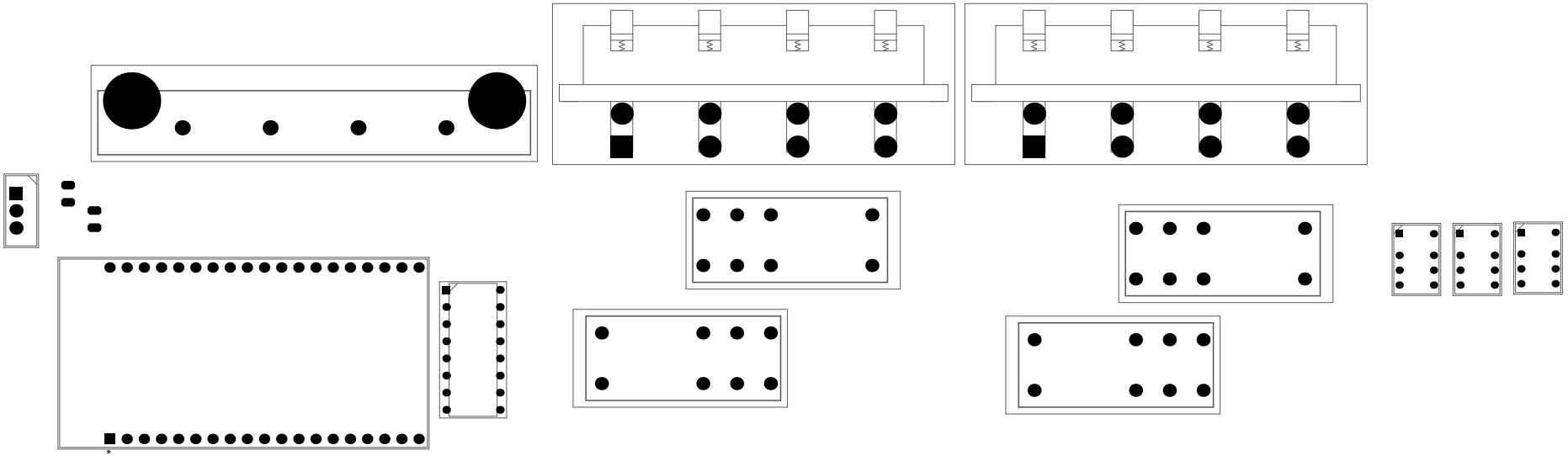

J4
J5
J1
IC2
C2
C1
K2
K4
K6
K7
K5
U1
IC1
K1
K3

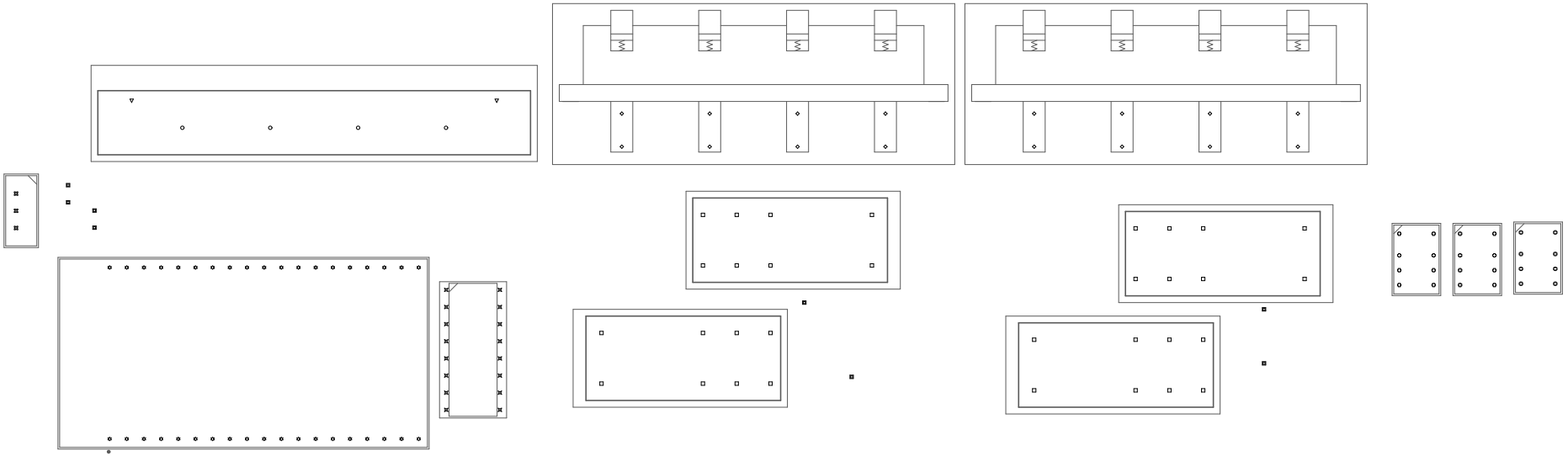


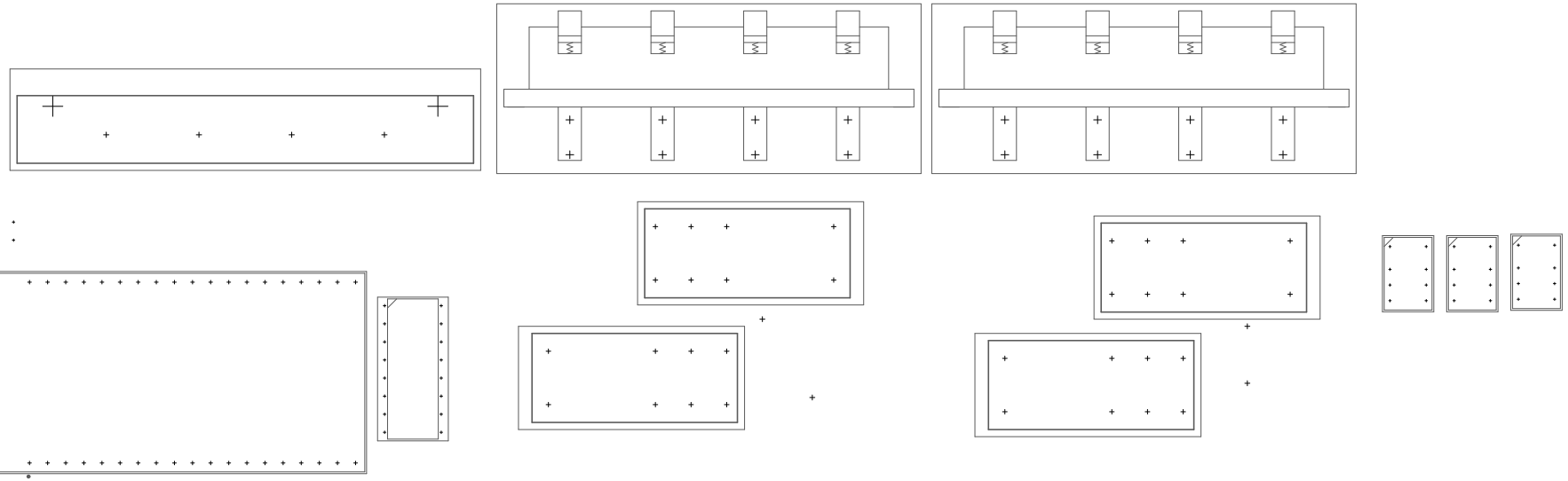












Electrical Rules Check Report

Class	Document	Message
		Successful Compile for

Design Rules Verification Report

Filename : C:\Users\leona\OneDrive\Documents\Perso\projets_persos\Switch HP\Altium\A

Warnings 0
Rule Violations 4

Warnings	
Total	0

Rule Violations	
Clearance Constraint (Gap=0.4mm) (All),(All)	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint ((All))	4
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Width Constraint (Min=0.254mm) (Max=15mm) (Preferred=1mm) (All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Hole Size Constraint (Min=0.5mm) (Max=6.3mm) (All)	0
Hole To Hole Clearance (Gap=1mm) (All),(All)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Prefered=12.7mm) (All)	0
Total	4

Un-Routed Net Constraint ((All))
Un-Routed Net Constraint: Via (13mm,66mm) from Top Layer to Bottom Layer Dead Copper - Net Not Assigned
Un-Routed Net Constraint: Via (13mm,73mm) from Top Layer to Bottom Layer Dead Copper - Net Not Assigned
Un-Routed Net Constraint: Via (4mm,66mm) from Top Layer to Bottom Layer Dead Copper - Net Not Assigned
Un-Routed Net Constraint: Via (4mm,73mm) from Top Layer to Bottom Layer Dead Copper - Net Not Assigned

Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
4 pins speaker connector (input)	FC681508	Connector	J1	1							
8 pins speaker connector	737763	Connector	J4, J5	2							
ESP32	ESP32-DEVKITC-32D	Eval Board For Esp-Wroom-32	U1	1							
ESP32 protection for inductive loads	ULN2003A	Integrated Circuit	IC1	1							
Relay (Speaker level)	G2RL-24-DC5	Relay or Contactor	K1, K2, K3, K4	4							
Relay (line level)	G6K-2P-Y-DC5	Relay or Contactor	K5, K6, K7	3							
Jack connector, TRU components	734101	Undefined or Miscellaneous	U2, U3, U4, U5	4							