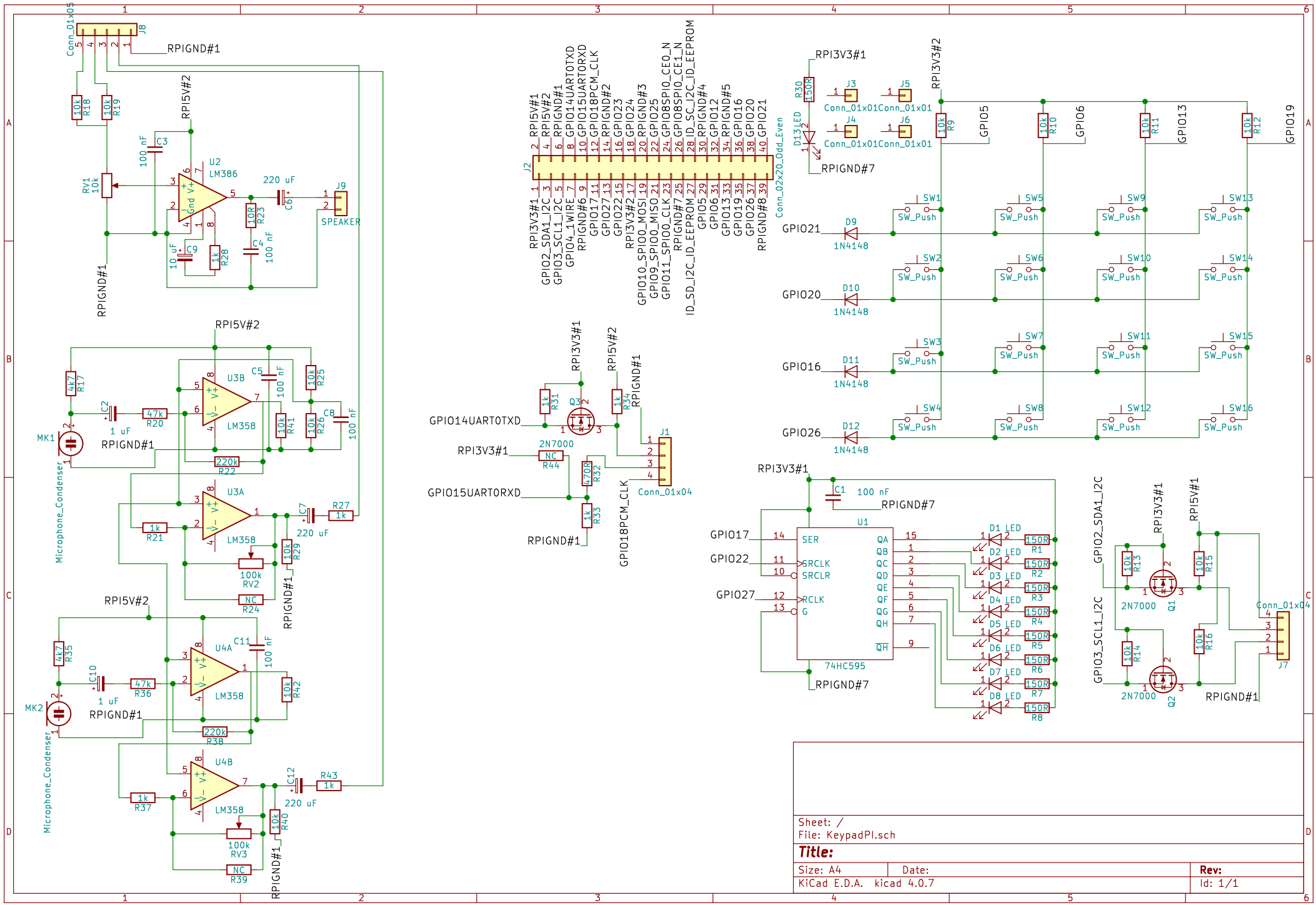
Conn_01x05
J8
RPIGND#1
RPI5V#2
10k R18
10k R19
100 nF C3
U2
LM386
RV1 10k
220 uF
C6
J9
SPEAKER
10R R23
C4 100 nF
10 uF C9
1k R28
RPIGND#1
RPI5V#2
4k7 R17
C5 100 nF
U3B
LM358
10k R25
C2 1 uF
47k R20
10k R41
10k R26
C8 100 nF
MK1
RPIGND#1
220k R22
U3A
LM358
1k R21
C7 220 uF
R27 1k
100k RV2
10k R29
NC R24
RPIGND#1
Microphone_Condenser
RPI5V#2
4k7 R35
C11 100 nF
U4A
LM358
C10 1 uF
47k R36
10k R42
MK2
RPIGND#1
220k R38
U4B
LM358
1k R37
C12 220 uF
R43 1k
100k RV3
10k R40
NC R39
RPIGND#1
Microphone_Condenser
J2
Conn_02x20_Odd_Even
RPI5V#1
RPI5V#2
RPIGND#1
GPIO14UART0TXD
GPIO15UART0RXD
GPIO18PCM_CLK
GPIO2
GPIO3
GPIO4
GPIO17
GPIO27
GPIO22
GPIO10
GPIO9
GPIO11
ID_SD_I2C_ID_EEPROM
GPIO5
GPIO13
GPIO19
GPIO26
ID_SC_I2C_ID_EEPROM
GPIO8
GPIO7
GPIO6
GPIO12
GPIO16
GPIO20
GPIO21
RPI3V3#1
GPIO14UART0TXD
1k R31
Q3
2N7000
RPI5V#2
1k R34
RPIGND#1
RPI3V3#1
NC R44
470R R32
J1
Conn_01x04
GPIO15UART0RXD
1k R33
RPIGND#1
GPIO18PCM_CLK
RPI3V3#1
R30 150R
D13 LED
RPIGND#7
J3 Conn_01x01
J5 Conn_01x01
J4 Conn_01x01
J6 Conn_01x01
RPI3V3#2
10k R9
10k R10
10k R11
10k R12
GPIO5
GPIO6
GPIO13
GPIO19
GPIO21
GPIO20
GPIO16
GPIO26
D9 1N4148
D10 1N4148
D11 1N4148
D12 1N4148
SW1 SW_Push
SW2 SW_Push
SW3 SW_Push
SW4 SW_Push
SW5 SW_Push
SW6 SW_Push
SW7 SW_Push
SW8 SW_Push
SW9 SW_Push
SW10 SW_Push
SW11 SW_Push
SW12 SW_Push
SW13 SW_Push
SW14 SW_Push
SW15 SW_Push
SW16 SW_Push
RPI3V3#1
C1 100 nF
RPIGND#7
U1
74HC595
GPIO17
GPIO22
GPIO27
SER
SRCLK
SRCLR
RCLK
G
QA
QB
QC
QD
QE
QF
QG
QH
QH
D1 LED
D2 LED
D3 LED
D4 LED
D5 LED
D6 LED
D7 LED
D8 LED
150R R1
150R R2
150R R3
150R R4
150R R5
150R R6
150R R7
150R R8
RPIGND#7
GPIO2_SDA1_I2C
GPIO3_SCL1_I2C
RPI3V3#1
RPI5V#1
10k R13
10k R14
10k R15
10k R16
2N7000 Q1
2N7000 Q2
Conn_01x04
J7
RPIGND#1
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