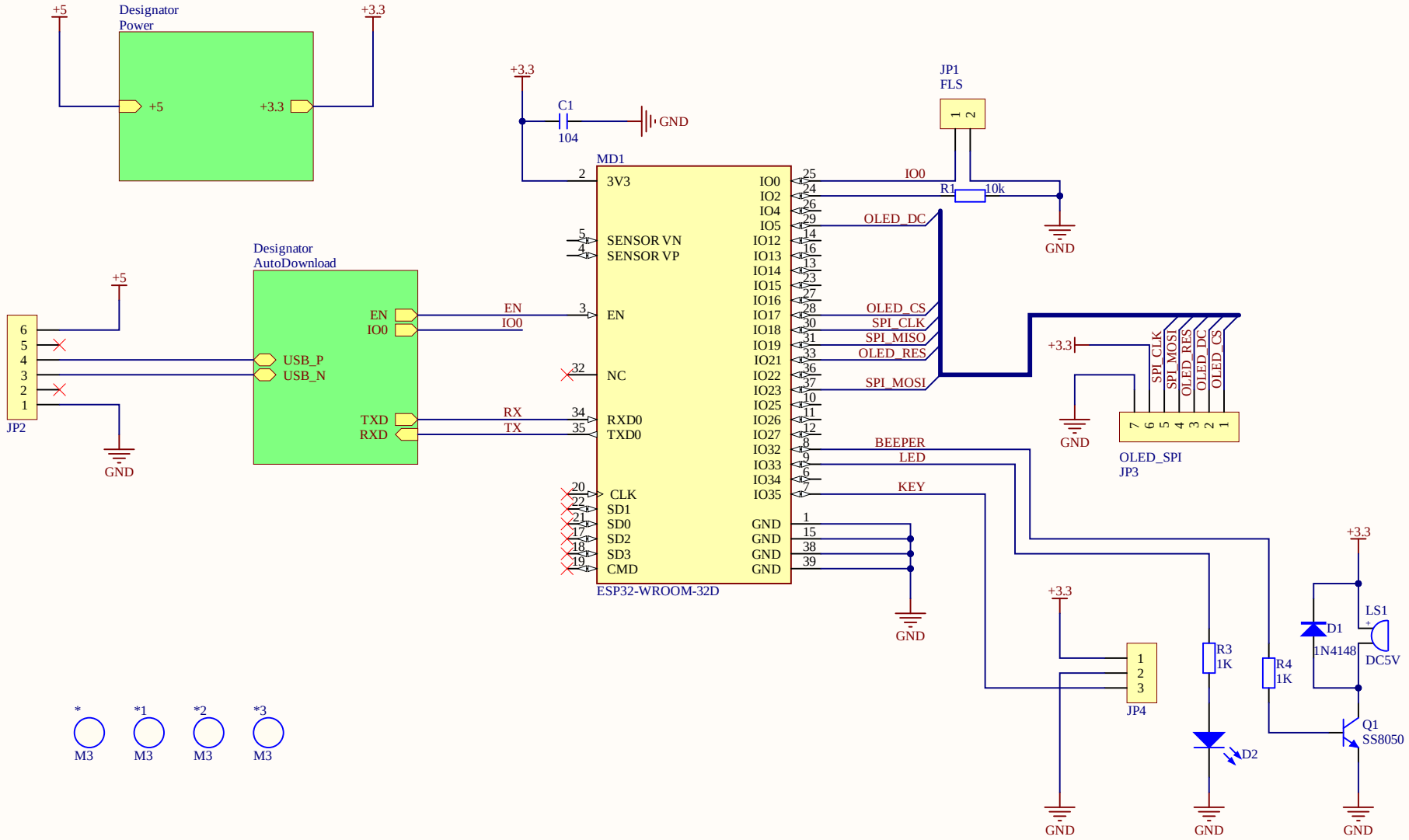
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Power
+5
+3.3
Designator
AutoDownload
USB_P
USB_N
EN
IO0
TXD
RXD
JP2
C1
104
GND
MD1
3V3
SENSOR VN
SENSOR VP
EN
NC
RXD0
TXD0
CLK
SD1
SD0
SD2
SD3
CMD
IO0
IO2
IO4
IO5
IO12
IO13
IO14
IO15
IO16
IO17
IO18
IO19
IO21
IO22
IO23
IO25
IO26
IO27
IO32
IO33
IO34
IO35
ESP32-WROOM-32D
JP1
FLS
R1
10k
OLED_DC
OLED_CS
SPI_CLK
SPI_MISO
OLED_RES
SPI_MOSI
OLED_SPI
JP3
BEEPER
LED
KEY
JP4
R3
1K
R4
1K
D1
1N4148
LS1
DC5V
D2
Q1
SS8050
M3
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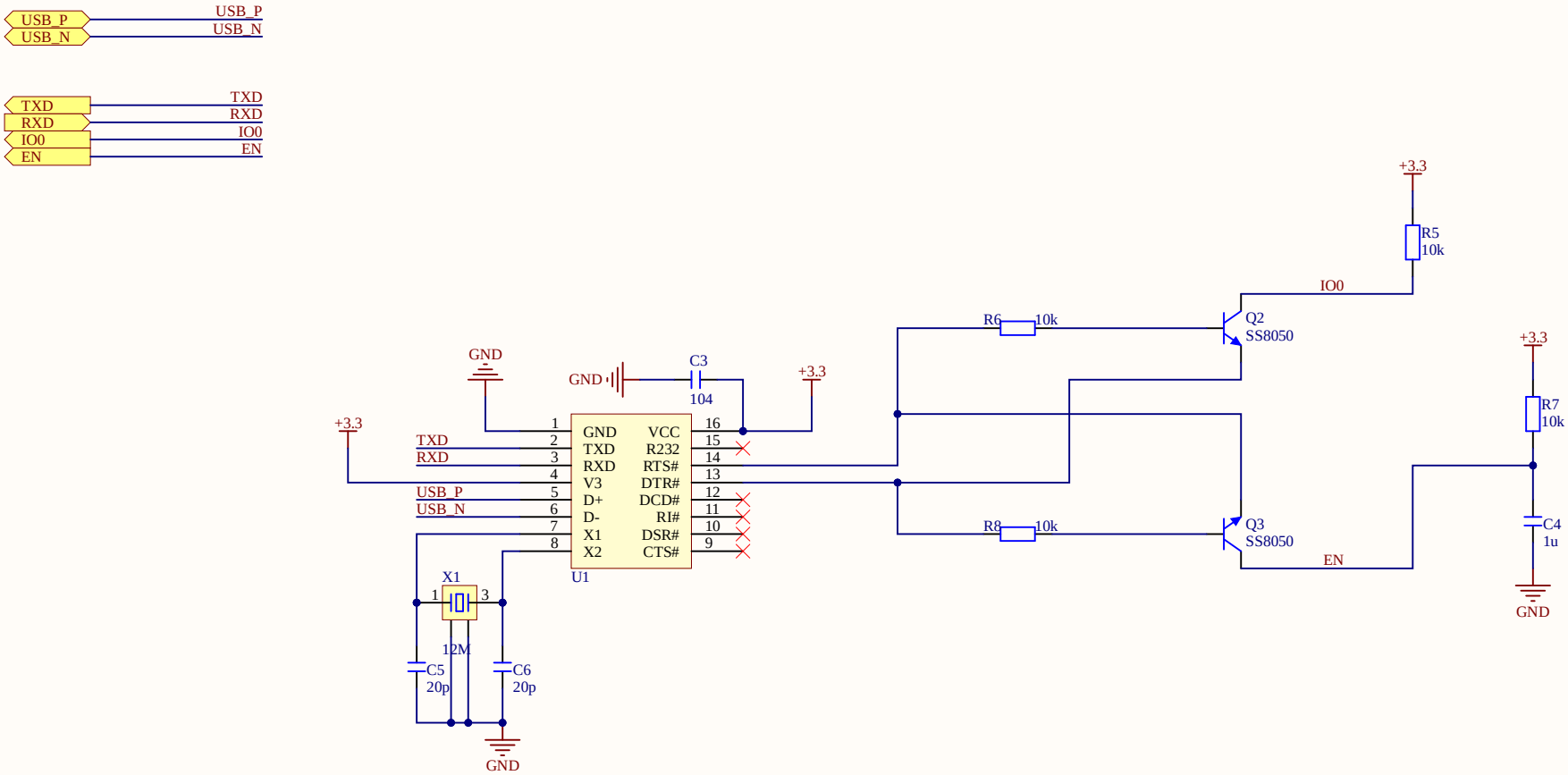
A4
Number
Revision
Date:
2/12/2022
Sheet of
File:
C:\Users\..\main.SchDoc
Drawn By:



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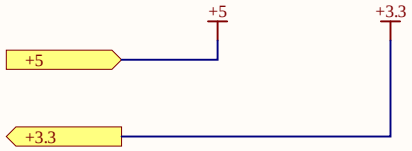

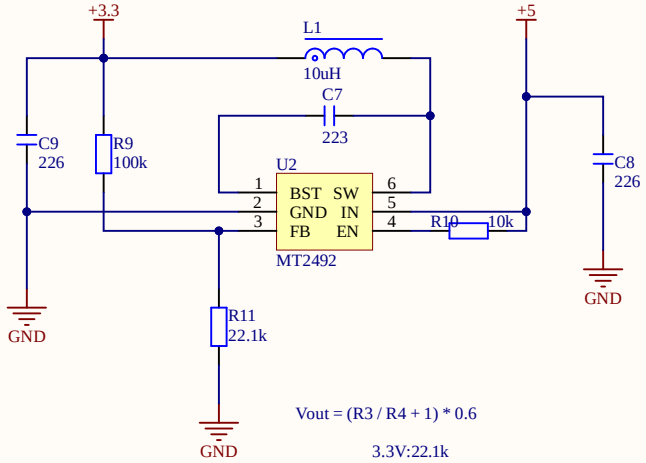

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Size A4	Number		Revision
Date:	2/12/2022	Sheet of	
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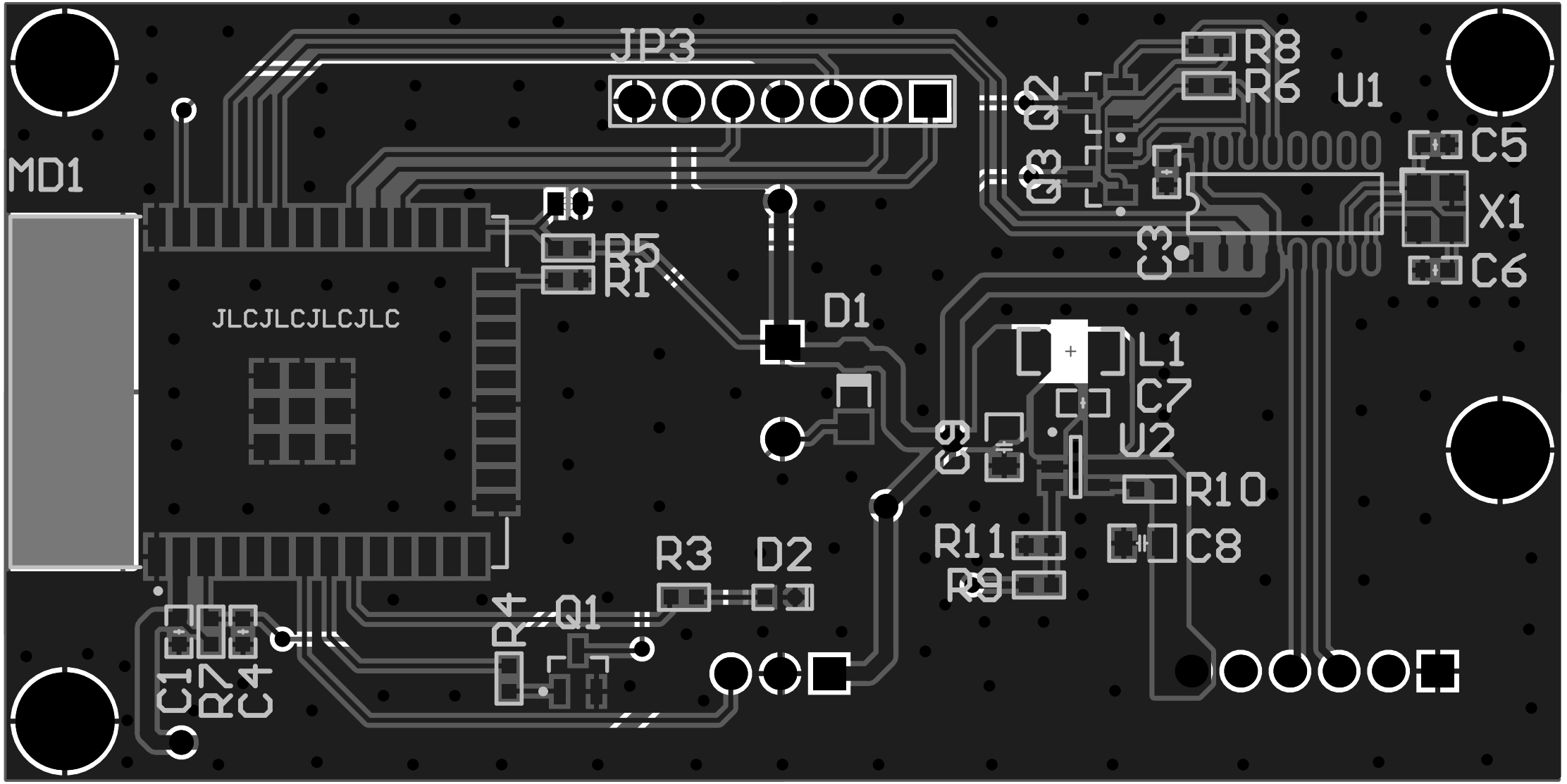
JP3
R8
R6
U1
C5
X1
C6
MD1
JLCJLCJLCJLC
R5
R1
D1
L1
C7
U2
R10
R11
R9
C8
R3
D2
R4
Q1
C1
R7
C4

Comment	Description	Designator	Footprint	LibRef	Quantity
M3	铜柱孔	[NoValue], *1, *2, *3	M3 125X200	M3	4
104	贴片电容	C1, C3	C 0603-L	C	2
1u	贴片电容	C4	C 0603-L	C	1
20p	贴片电容	C5, C6	C 0603-L	C	2
223	贴片电容	C7	C 0603-L	C	1
226	贴片电容	C8, C9	C 0805-L	C	2
1N4148	开关二极管	D1	MINI_MELF (LL34)	1N4148	1
LED	发光二极管	D2	LED 0603R	LED	1
FLS	2P接插件	JP1	HDR1.27-LI-2P	Header 2	1
HDR-1X6	6P接插件	JP2	XH2.54-LI-6P	Header 6	1
OLED_SPI	7P接插件	JP3	HDR2.54-M-LI-7P	Header 7	1
HDR-1X3	3P接插件	JP4	XH2.54-LI-3P	Header 3	1
10uH	NR磁胶电感	L1	L 1206	L-NR	1
DC5V	蜂鸣器	LS1	BEEP 5x9x5.5	BEEP	1
ESP32-WROOM-32D	WIFI MODULE 32MBITS SPI FLASH	MD1	FP-ESP32-WROOM-32D-MFG	CMP-194065-000003-1	1
SS8050	高频放大-NPN型	Q1, Q2, Q3	SOT23-3N	8050-SMD	3
10k	贴片电阻	R1, R5, R6, R7, R8, R10	R 0603_L	R	6
1K	贴片电阻	R3, R4	R 0603_L	R	2
100k	贴片电阻	R9	R 0603_L	R	1
22.1k	贴片电阻	R11	R 0603_L	R	1
CH340G		U1	sop16_L	CH340G	1
MT2492	DC降压芯片	U2	SOT23-6N	MP2359	1
12M	4脚无源晶振	X1	OSC 3225-4P	XTAL-4P	1