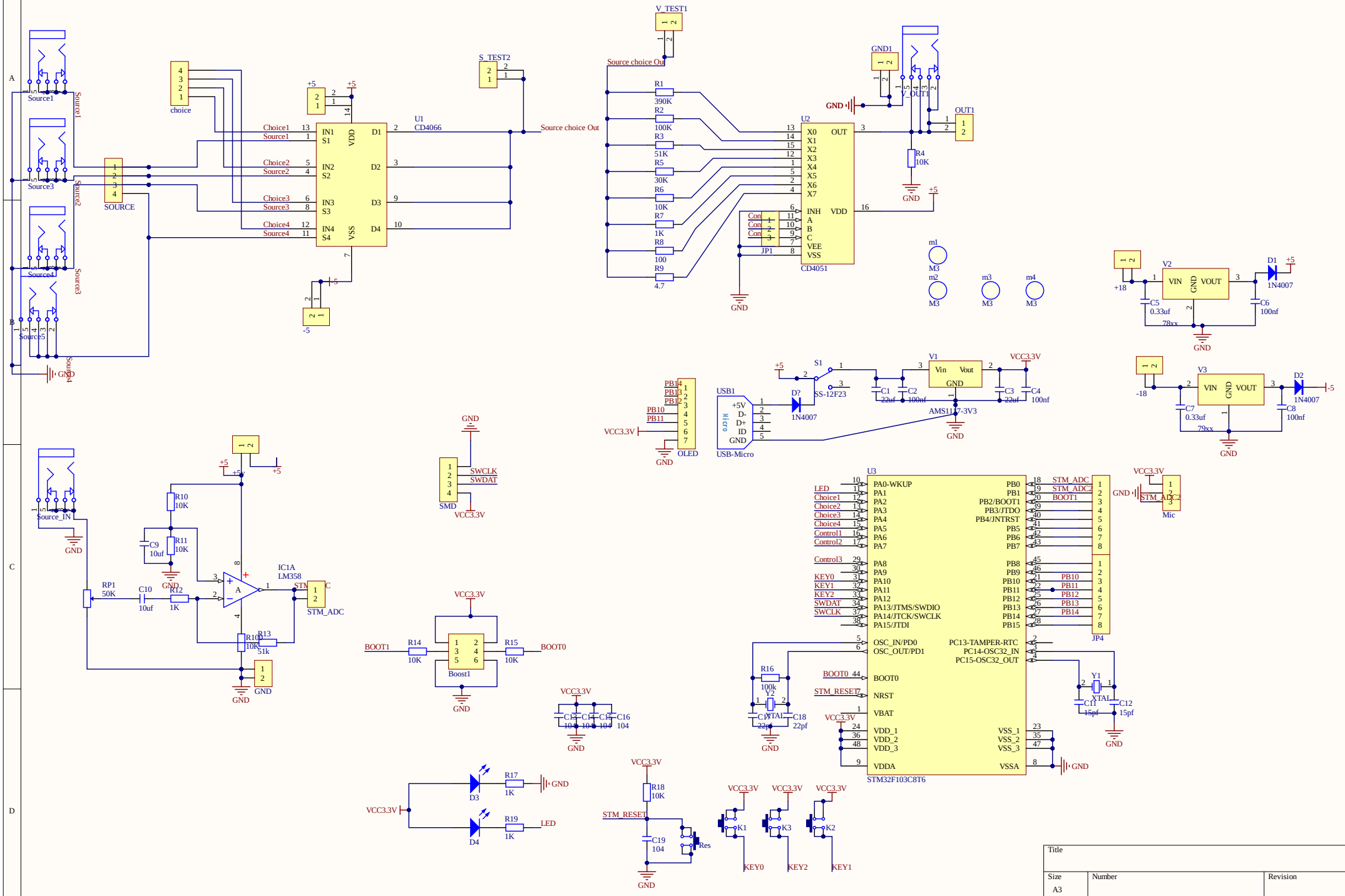
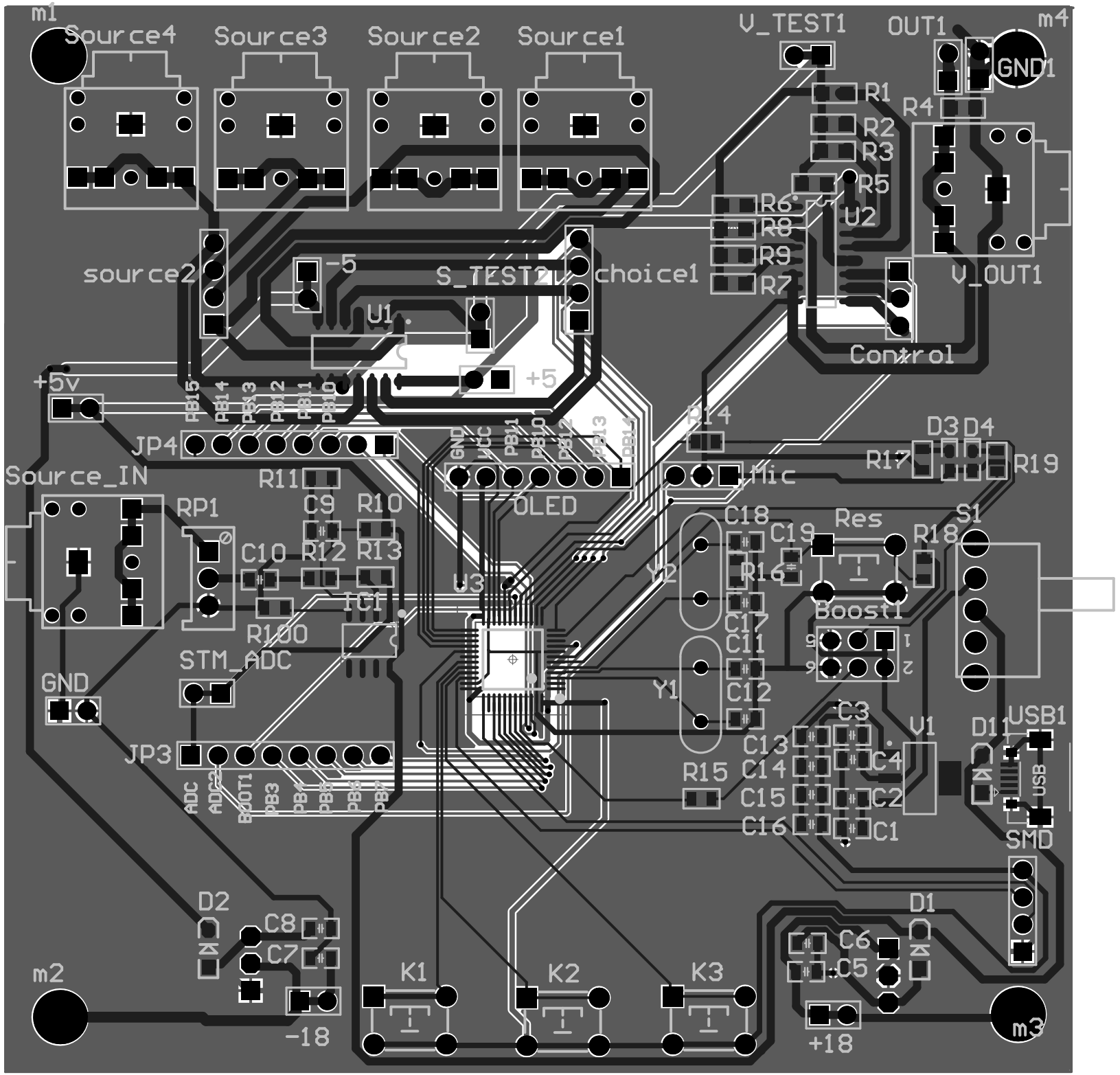

Source1
Source2
Source3
Source4
Source5
GND
choice
SOURCE
U1
CD4066
Choice1
Choice2
Choice3
Choice4
Source choice Out
S_TEST2
V_TEST1
R1 390K
R2 100K
R3 51K
R4 10K
R5 30K
R6 10K
R7 1K
R8 100
R9 4.7
U2
CD4051
JP1
GND1
V_OUT1
OUT1
m1
m2
m3
m4
M3
V2
D1
1N4007
C5 0.33uf
C6 100nf
78xx
+18
V3
D2
-18
C7 0.33uf
C8 100nf
79xx
USB1
USB-Micro
D?
S1
SS-12F23
C1 22uf
C2 100nf
V1
AMS1117-3V3
C3 22uf
C4 100nf
VCC3.3V
OLED
SMD
SWCLK
SWDAT
Source_IN
R10 10K
R11 10K
C9 10uf
R12 1K
RP1 50K
C10 10uf
IC1A
LM358
R13 51k
STM_ADC
Mic
Boost1
BOOT1
BOOT0
R14 10K
R15 10K
C11 104
C12 104
C13 104
C14 104
C15 104
C16 104
D3
D4
R17 1K
R19 1K
LED
R18 10K
STM_RESET
C19 104
Res
K1
K2
K3
KEY0
KEY1
KEY2
U3
STM32F103C8T6
JP4
PA0-WKUP
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13/JTMS/SWDIO
PA14/JTCK/SWCLK
PA15/JTDI
PB0
PB1
PB2/BOOT1
PB3/JTDO
PB4/JNTRST
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
OSC_IN/PD0
OSC_OUT/PD1
PC13-TAMPER-RTC
PC14-OSC32_IN
PC15-OSC32_OUT
NRST
VBAT
VDD_1
VDD_2
VDD_3
VDDA
VSS_1
VSS_2
VSS_3
VSSA
R16 100k
C17 22pf
C18 22pf
Y2 XTAL
Y1 XTAL
C11 15pf
C12 15pf
Title
Size A3
Number
Revision
Date: 4/12/2022
Sheet of
File: E:\pcb\橙色梦想A题\音源选择电路.SchDoc
Drawn By:


m1
Source4
Source3
Source2
Source1
V_TEST1
OUT1
m4
GND1
R1
R2
R3
R4
R5
R6
R8
R9
R7
U2
V_OUT1
source2
-5
S_TEST2
choice1
U1
+5
Control
+5v
PB15
PB14
PB13
PB12
PB11
PB10
JP4
GND
VCC
PB11
PB10
PB12
PB13
PB14
OLED
R14
Mic
D3
D4
R17
R19
Source_IN
R11
RP1
C9
R10
C10
R12
R13
U3
IC1
R100
STM_ADC
C18
C19
Res
R18
S1
R16
Yp
Boost1
C17
C11
C12
Y1
GND
JP3
ADC
ADC2
BOOT1
PB3
PB4
PB5
PB6
PB7
C3
C13
C14
C15
C16
C4
C2
C1
R15
V1
D11
USB1
USB
SMD
D2
C8
C7
-18
m2
K1
K2
K3
D1
C6
C5
+18
m3

Comment	Description	Designator	Footprint	LibRef	Quantity
		-5, +5, GND1, OUT1, S_TEST2, V_TEST1	HDR2.54-LI-2P	Component_1	6
HDR-1X2	2P接插件	-18, +5v, +18, GND, STM_ADC	HDR2.54-LI-2P	Header 2	5
Header3X2	3*2P接插件	Boost1	HDR2.54-LI-2x3P	Header 3X2	1
22uf	贴片电容	C1, C3	C 0805_L	C	2
100nf	贴片电容	C2, C4, C6, C8	C 0805_L	C	4
0.33uf	贴片电容	C5, C7	C 0805_L	C	2
10uf	贴片电容	C9, C10	C 0805_L	C	2
15pf	贴片电容	C11, C12	C 0805_L	C	2
104	贴片电容	C13, C14, C15, C16, C19	C 0805_L	C	5
22pf	贴片电容	C17, C18	C 0805_L	C	2
choice		choice1	HDR2.54-LI-4P	SOURCE	1
1N4007	整流二极管	D1, D2, D?	SOD-123	1N4007	3
LED	发光二极管	D3, D4	LED 0603B	LED	2
LM358	双路运放	IC1	SOP8_N	LM358	1
HDR-1X3	3P接插件	JP1, Mic	HDR2.54-LI-3P	Header 3	2
HDR-1X8	8P接插件	JP3, JP4	HDR2.54-LI-8P	Header 8	2
6x6x5	直插6x6轻触开关	K1, K2, K3, Res	TSW DIP-6*6*6	TSW DIP-6x6	4
M3	铜柱孔	m1, m2, m3, m4	M3 125X200	M3	4
HDR-1X7	7P接插件	OLED	HDR-1X7	Header 7	1
390K	色环电阻	R1	R 0805_M	R-S	1
100K	色环电阻	R2	R 0805_M	R-S	1
51K	色环电阻	R3	R 0805_M	R-S	1
10K	色环电阻	R4, R6	R 0805_M	R-S	2
30K	色环电阻	R5	R 0805_M	R-S	1
1K	色环电阻	R7	R 0805_M	R-S	1
100	色环电阻	R8	R 0805_M	R-S	1
4.7	色环电阻	R9	R 0805_M	R-S	1
10K	贴片电阻	R10, R11, R14, R15, R18, R100	R 0805_L	R	6
1K	贴片电阻	R12, R17, R19	R 0805_L	R	3
51k	贴片电阻	R13	R 0805_L	R	1
100k	贴片电阻	R16	R 0805_L	R	1
50K	单联电位器	RP1	3296W	RP	1
SS-12F23	1路波动开关	S1	SS-12F23	SSW-1P	1
HDR-1X4	4P接插件	SMD	HDR2.54-LI-4P	Header 4	1
SOURCE	a	source2	HDR2.54-LI-4P	SOURCE	1
3F07_BK	3.5mm耳机插座	Source1, Source3, Source4, Source5, Source_IN, V_OUT1	3F07_PK	3F07	6
CD4066		U1	SOP14	CD4066	1
CD4051		U2	SOP16	CD4051	1
STM32F103C8T6	Flaah:64/RAM:20/IO:36	U3	LQFP48 7X7_N	STM32F103C8T6	1
USB-Micro	USB-Micro	USB1	USB-MICRO_A	USB-Micro	1
AMS1117-3V3	三端稳压芯片	V1	SOT223_L	AMS1117	1
78xx	线性稳压芯片	V2	TO220_3	78xx	1
79xx	线性稳压芯片	V3	TO220_3	79xx	1
XTAL		Y1, Y2	XTAL	XTAL	2