

## Strapping

GPIO	Default
0	Pull UP
3	N/A
45	Pull Down
46	Pull Down

120



Title: UNIHIKER K10	Code: DFR0992	
Drawn: Ifwag-CD	Revision: V1.0	Size: A4
Page: 1 of 11	Date: 2024/11/8	Time: 11:19:06

A

A

B

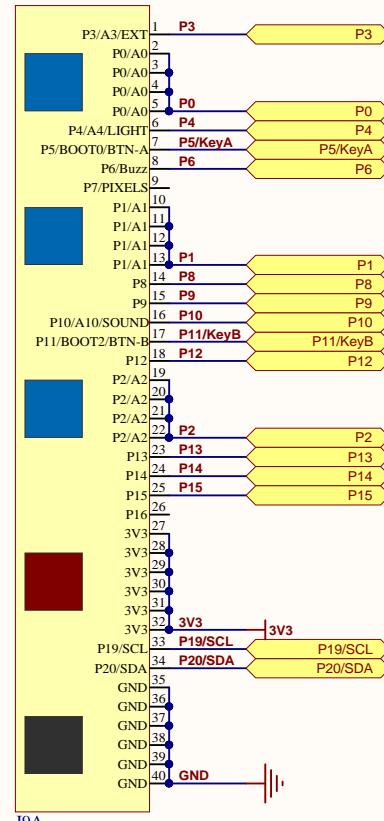
B

C

C

D

D



Title:	Micro Bit Connect	Code:	
Drawn:	<i>Ifwag-CD</i>	Revision:	V1.0
Page:	2 of 11	Date:	2024/11/8

A

A

B

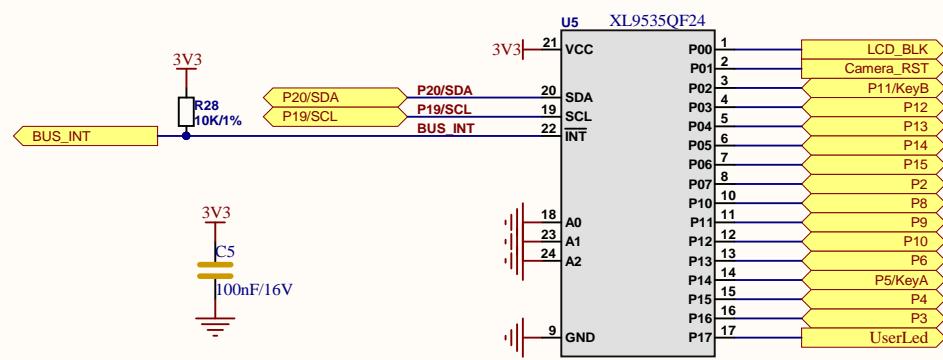
B

C

C

D

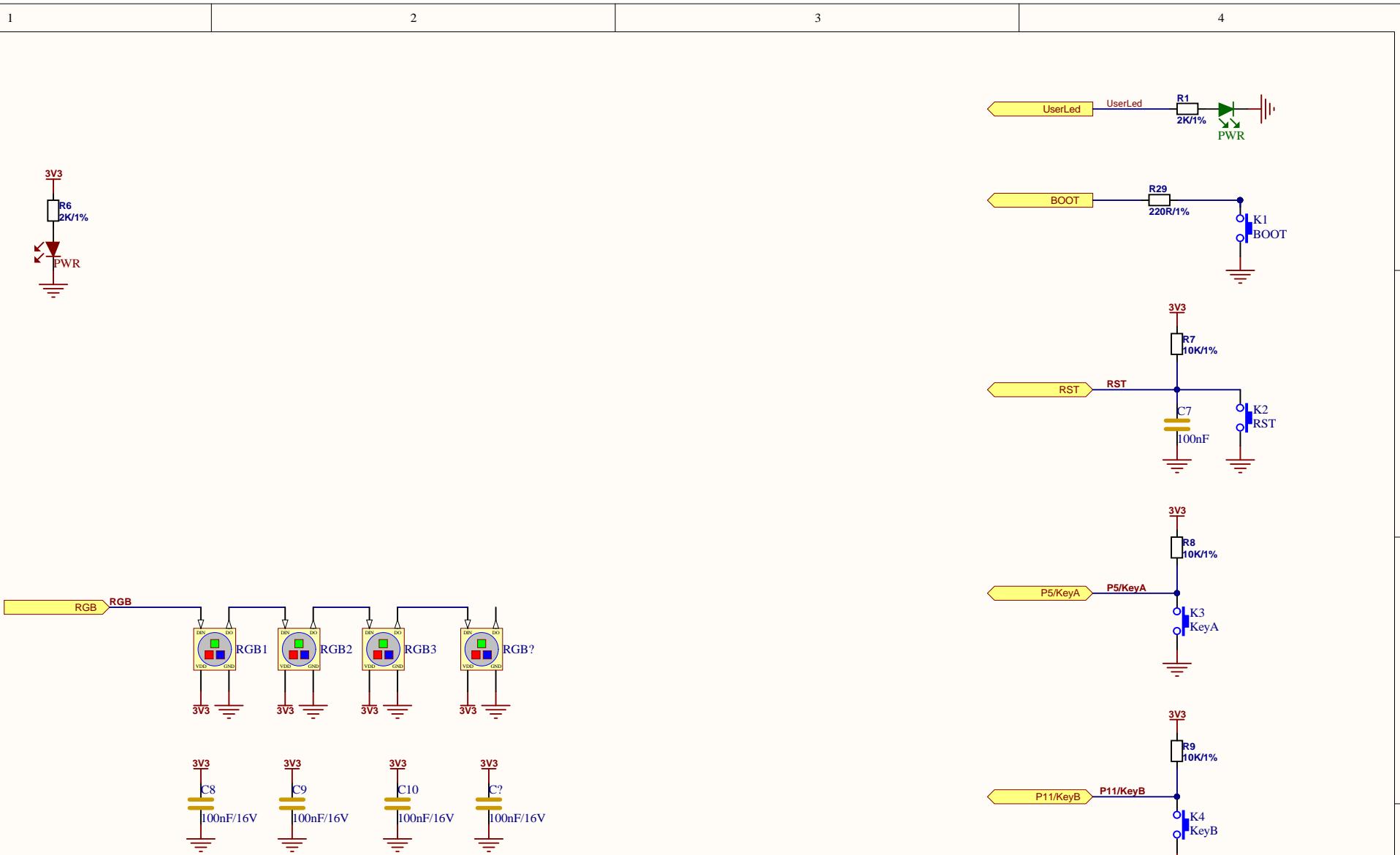
D



Addr = 0B 0100 (A2 A1 A0)  
Addr = 0x20



Title: IO Expansion		Code:	
Drawn: Ifwag-CD		Revision: V1.0	Size: A4
Page: 3 of 11		Date: 2024/11/8	Time: 11:19:06



Title: <u>Peripheral</u>	Code:
Drawn: <u>Ifwag-CD</u>	Revision: <u>VI.0</u>
Page: <u>4 of 11</u>	Date: <u>2024/11/8</u>

A

A

B

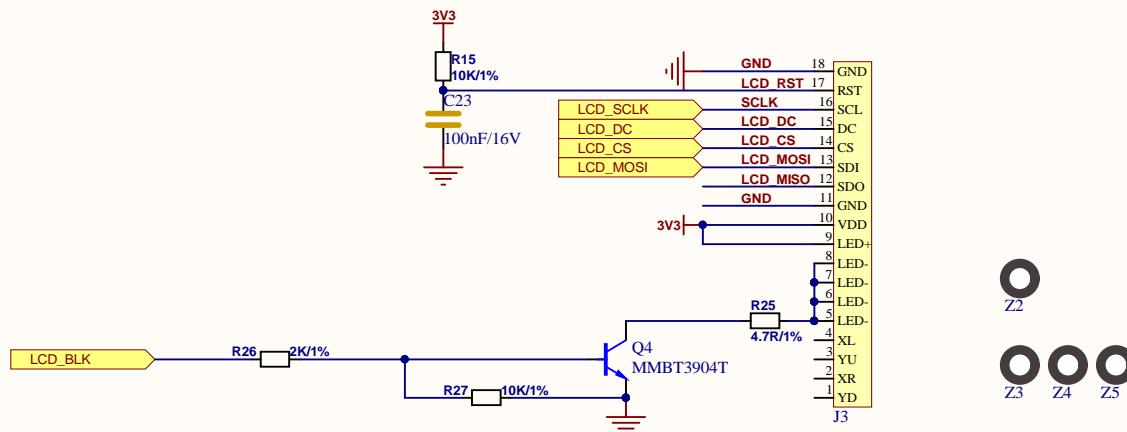
B

C

C

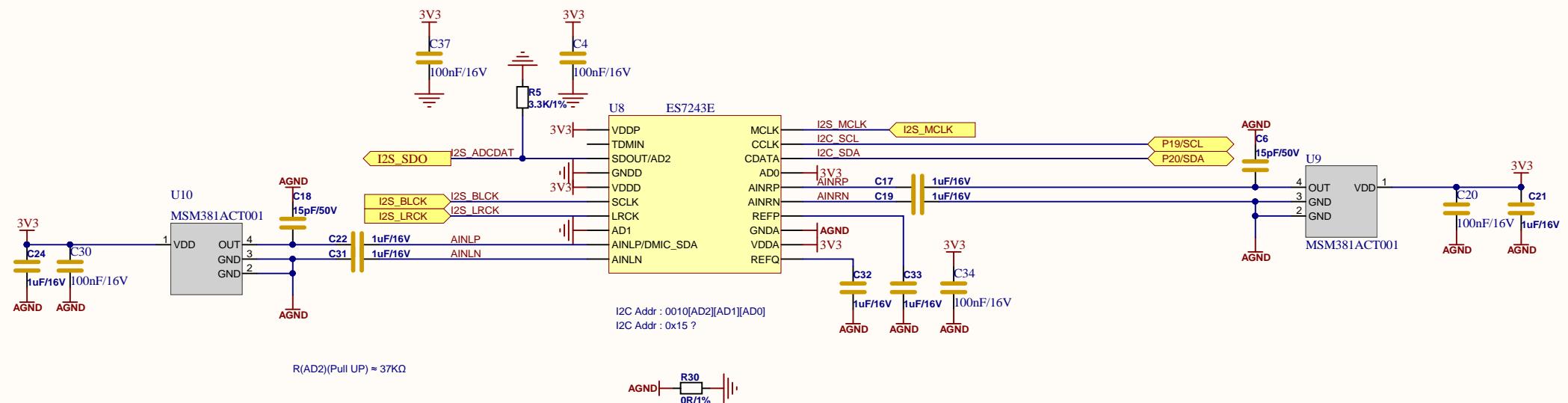
D

D



Title: <u>LCD</u>	Code:
Drawn: <u>Ifwag-CD</u>	Revision: <u>V1.0</u>
Page: <u>5 of 11</u>	Date: <u>2024/11/8</u>

A

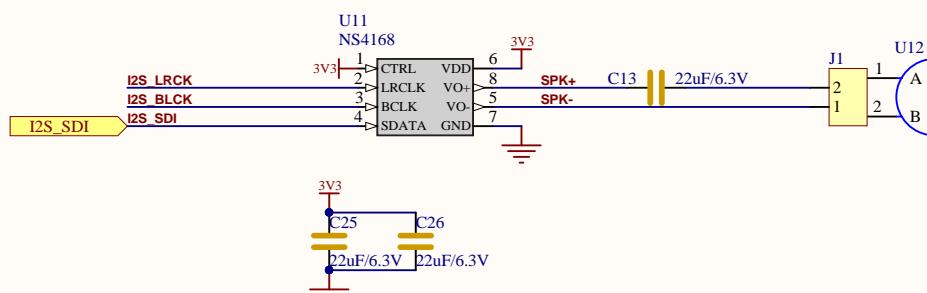


B

C

D

CTRL	Channel
1.5V-VDD	Right
0.9 - 1.15 V	Left
0 - 0.4 V	Shut Down



Title: MIC+Amplifier  
 Drawn: Ifwag-CD Revision: VI.0 Size: A4  
 Page: 6 of 11 Date: 2024/11/8 Time: 11:19:06

A

A

B

B

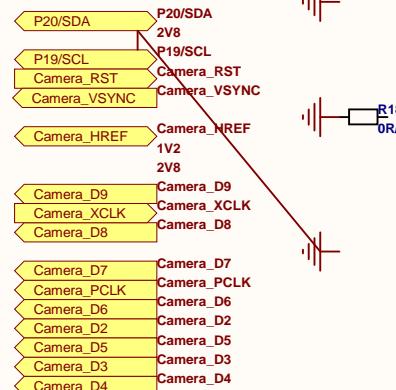
C

C

D

D

## Camera



M1	OV2640
1	NC
2	AGND
3	SDA
4	AVDD
5	SCL
6	RESET
7	VSYNC
8	PWDN
9	HSYNC/HREF
10	DVDD
11	DOVDD
12	D9
13	XCLK
14	D8
15	DGND
16	D7
17	PCLK
18	D6
19	D2
20	D5
21	D3
22	D4
23	NC
24	NC

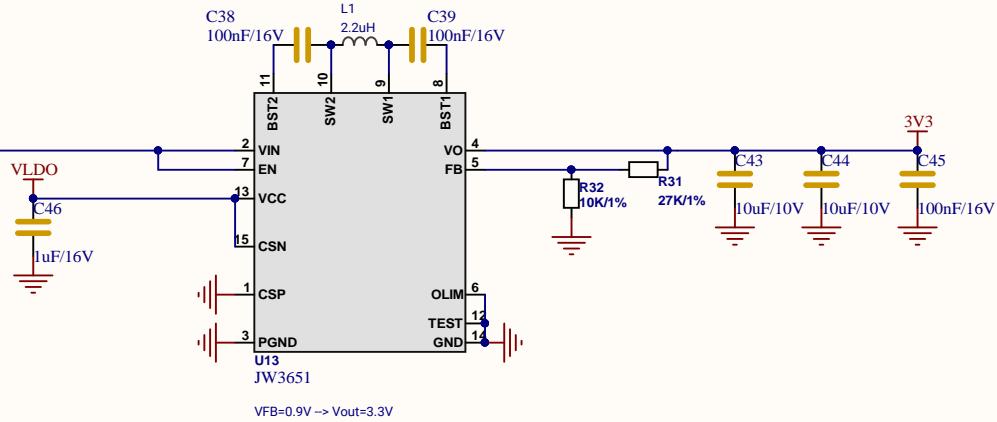
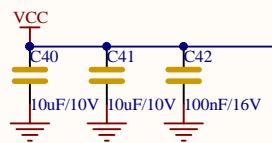
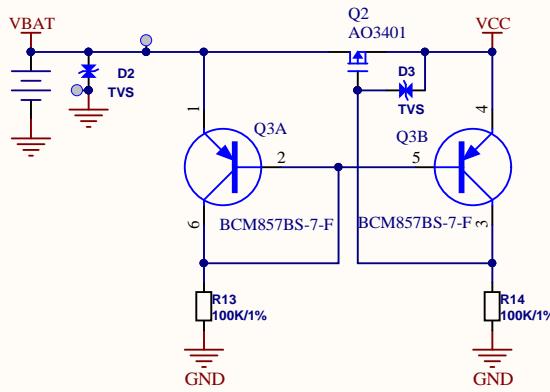


Title: OV2640	Code:
Drawn: Ifwag-CD	Revision: V1.0
Page: 7 of 11	Date: 2024/11/8

A



B



C

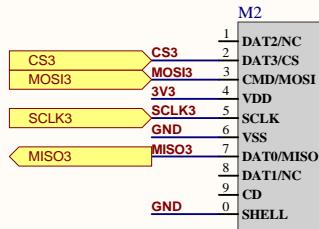
D



Title: Power	Code:
Drawn: Ifwag-CD	Revision: V1.0
Page: 8 of 11	Date: 2024/11/8
	Time: 11:19:06

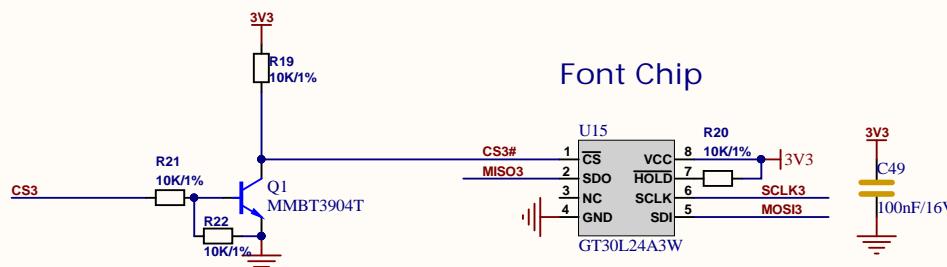
A

SD



B

Font Chip



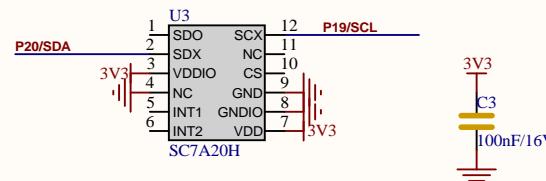
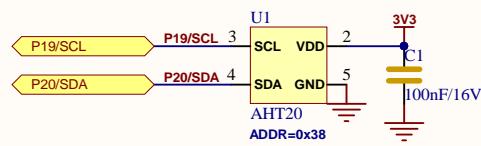
C

D



Title: TF Card & Font Chip		Code:
Drawn: Ifwag-CD	Revision: V1.0	Size: A4
Page: 9 of 11	Date: 2024/11/8	Time: 11:19:06

A



Addr = 0B 001100(SDO)

Addr = 0x19

SDO(Default) =HIGH

B

A

C

B

D

C

D



Title: I <sub>2</sub> C slave	Code:
Drawn: Ifwag-CD	Revision: V1.0
Page: 10 of 11	Date: 2024/11/8

A

A

B

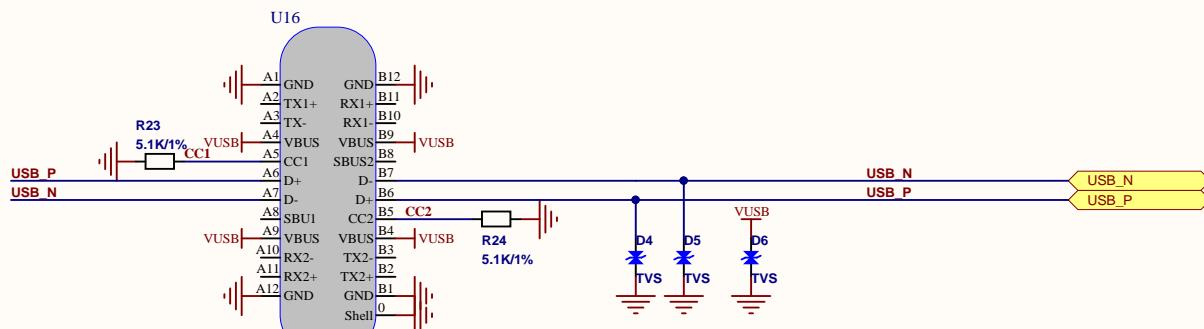
B

C

C

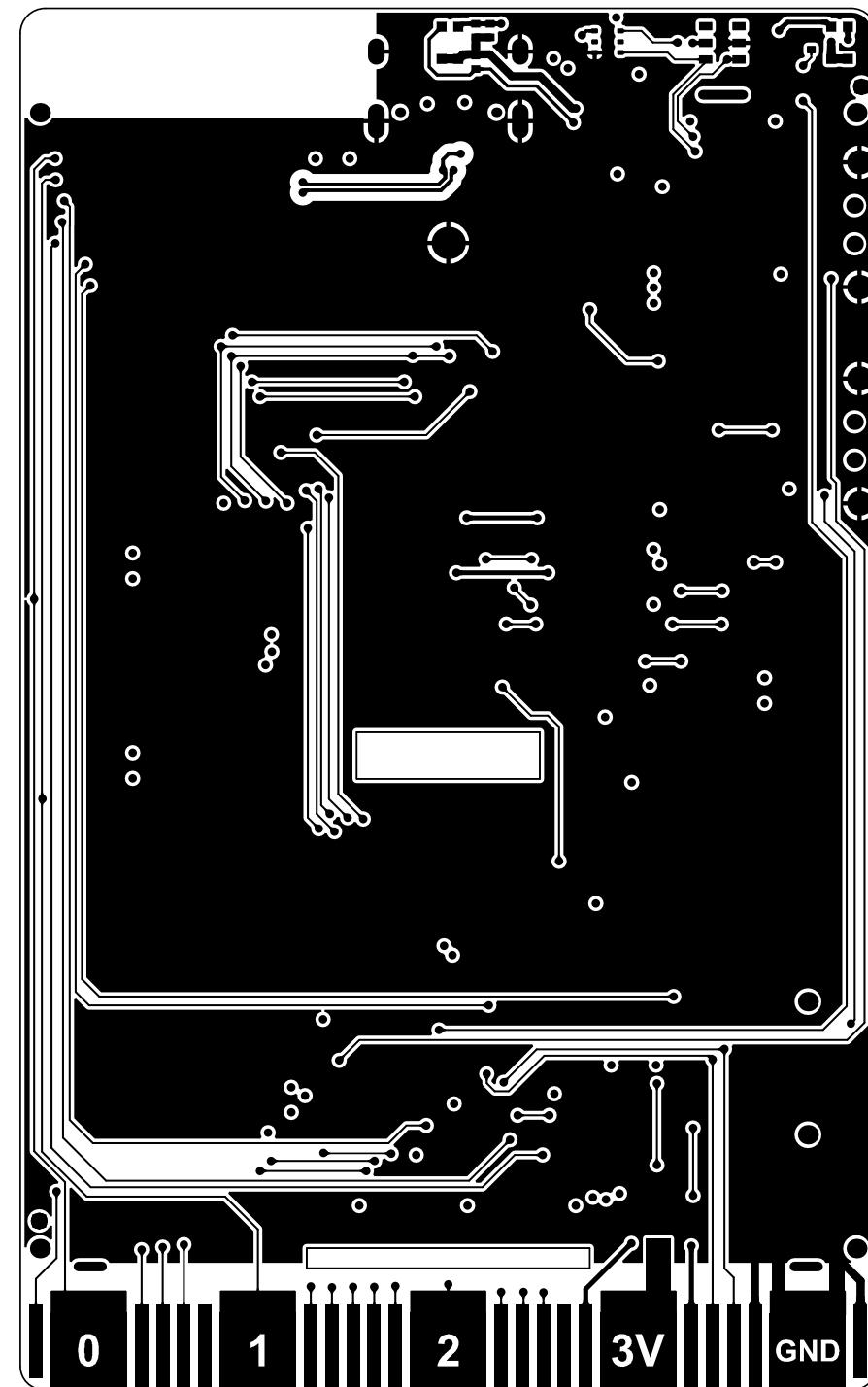
D

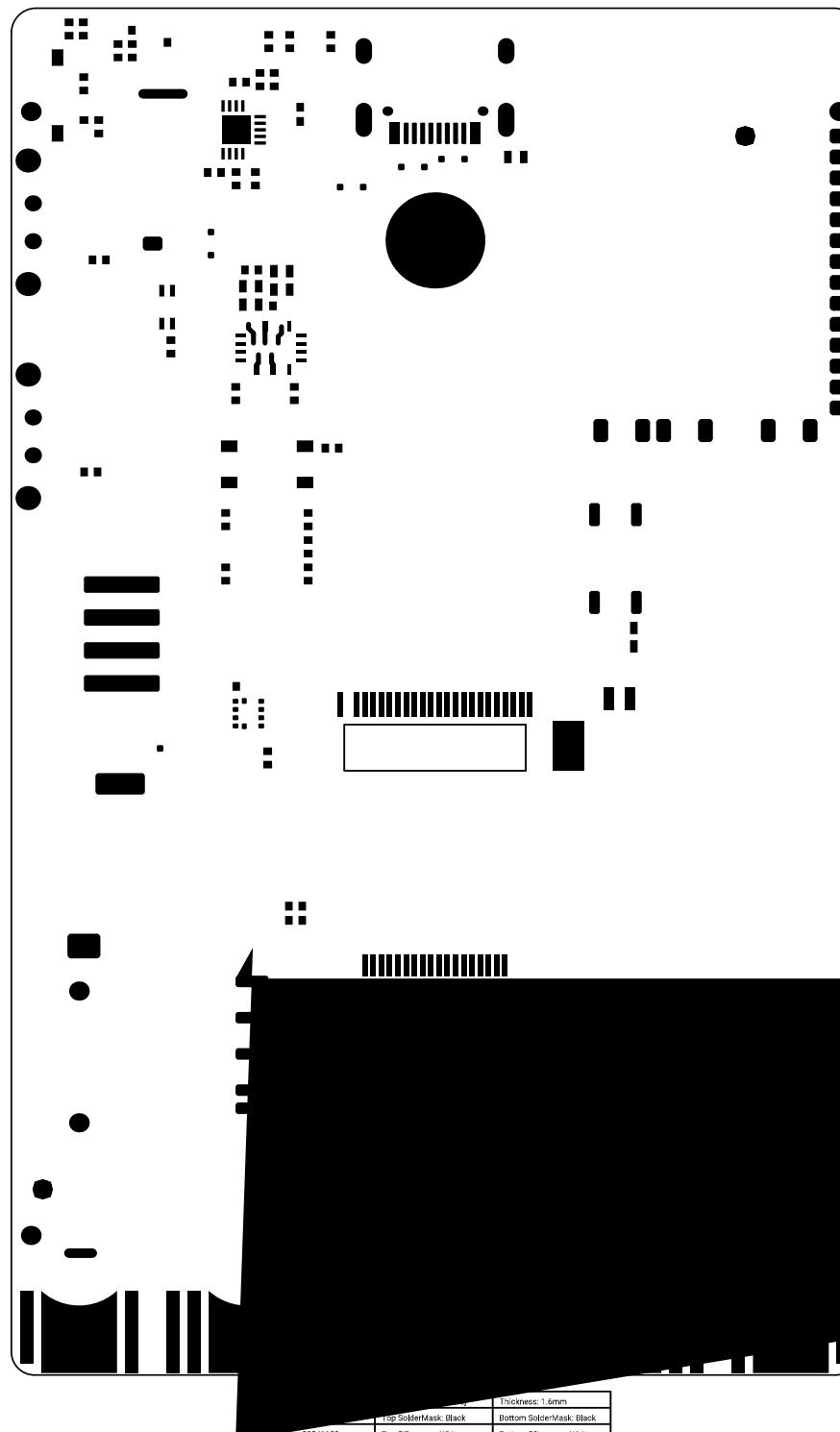
D

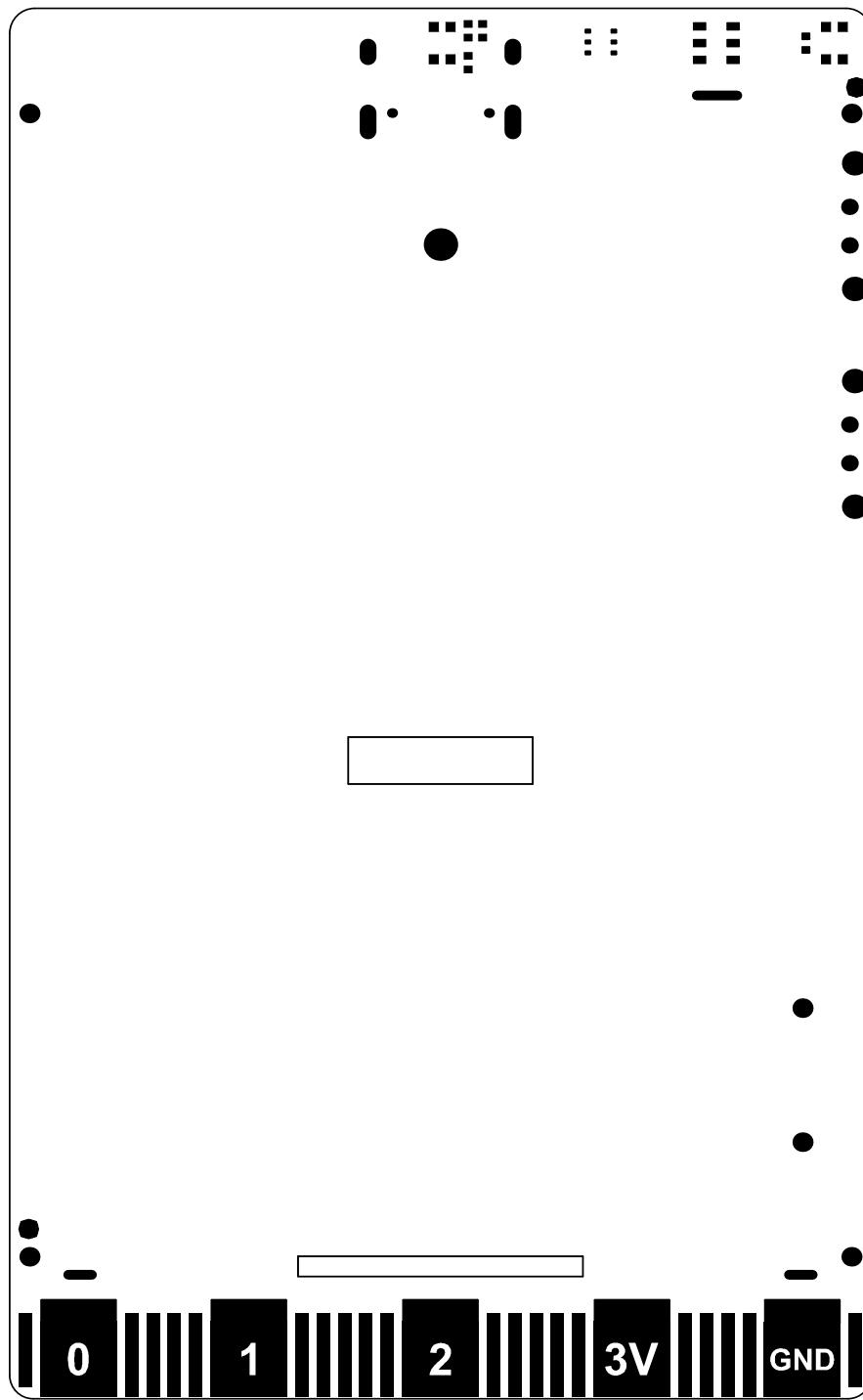


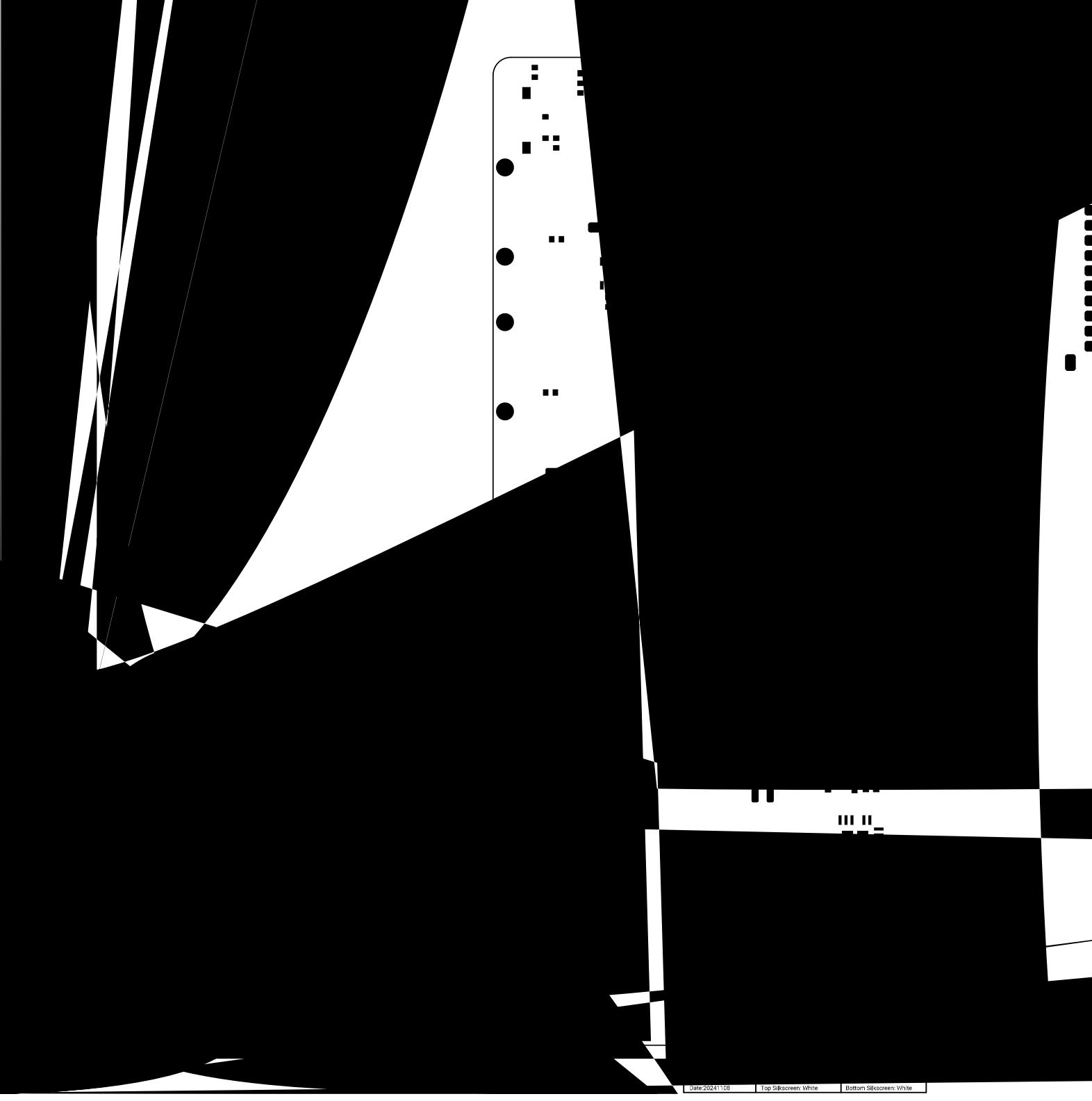
Title: <a href="#">USB</a>	Code:
Drawn: <a href="#">Jfwag-CD</a>	Revision: <a href="#">V1.0</a>
Page: <a href="#">11 of 11</a>	Date: <a href="#">2024/11/8</a>









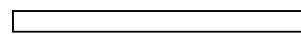
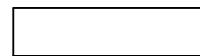


Date 20241108

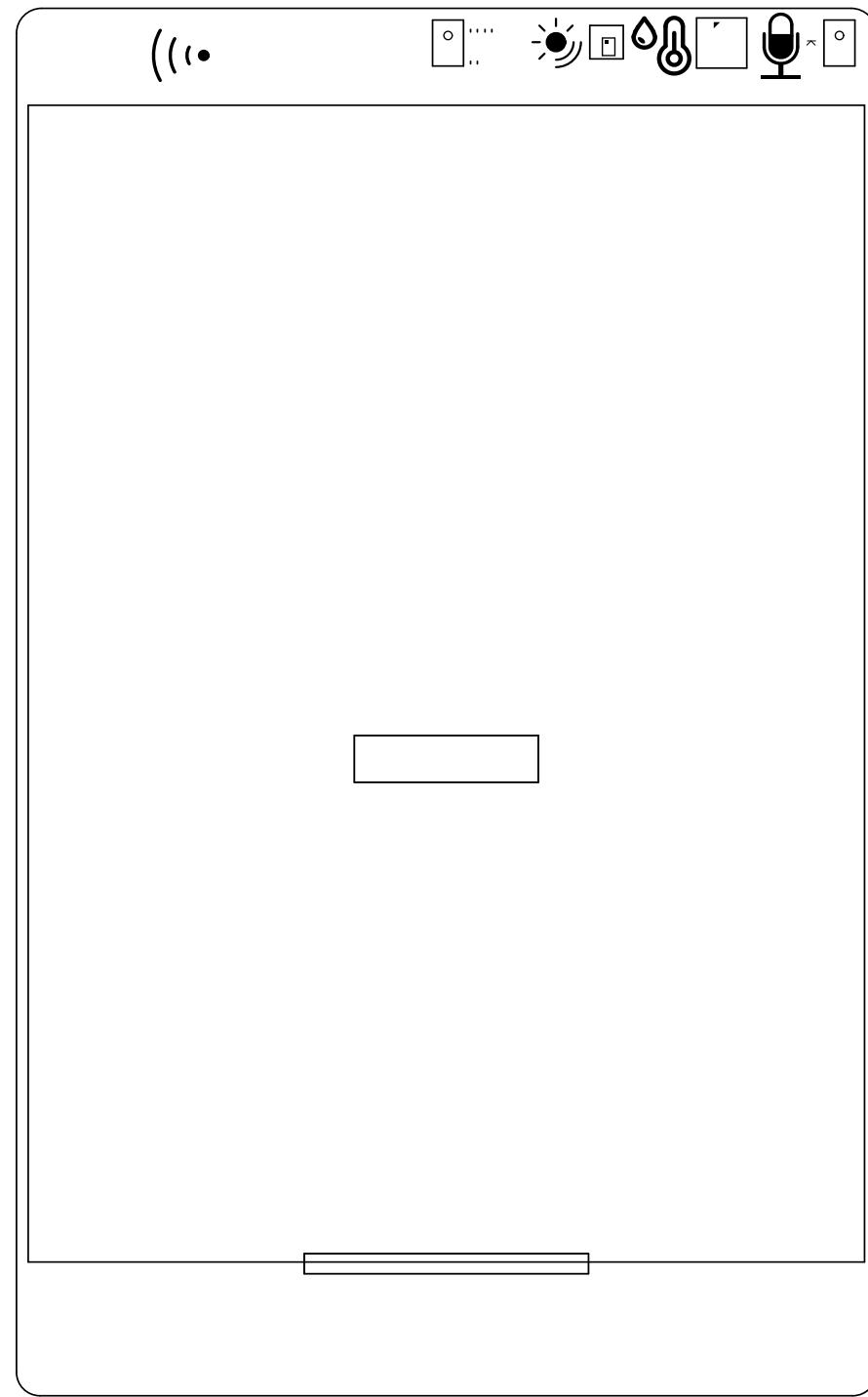
Top Silkscreen: White

Bottom Silkscreen: White

33 00 33 00



		Thickness: 1.6mm
Engineer:Hwang_CD	Top SolderMask: Black	Bottom SolderMask: Black
Date:2024110		



		Thickness: 1.6mm
Engineer:Hwang_CD	Top SolderMask: Black	Bottom SolderMask: Black
Date:2024110		

