MCU

+BATT

PWR_FLAG

BT1
CR2030

C1
10uF

C2
100nF

GND   GND   GND

Vdrive

PWR_FLAG

I2C_SCL

FB1
FerriteBead

RST

C6
10uF

C3
100nF

SW1
Reset

GND   GND   GND

U1

LCD_RST	15	PB0/PB1/PB2/PA5		
IR_TX	20	PB3/PB4/PB5/PB6		
I2C_SCL	1	PB7/PB8		
I2C_SDA	2	PB9/PC14/OSC_IN		
V_EXT	3	PC15/OSC_OUT		
	6	NRST		

VDD 4

VSS 5

PA0 7   THUMB_X
PA1 8   THUMB_Y
PA2 9   BTN_A
PA3 10 BTN_B
PA4 11 LCD_A0
PA5 12 LCD_SCLK
PA6 13 LCD_BLK
PA7 14 LCD_SDA
PA11[PA9] 16 LCD_CS
PA12[PA10] 17 IR_RX
PA13 18
PA14/PA15/BOOT 19

STM32G0xxFx

+BATT

R1
10K

RST

J1
TagConnect

1   2
3   4
5   6

GND

GND

Input

+BATT

R9
10K

BTN_A

SW2
BTN_A

C5
100nF

GND   GND

+BATT

R10
10K

BTN_B

SW3
BTN_B

C4
100nF

GND   GND

Vdrive

Thumbstick

THUMB_X   RV1A   RV1B   THUMB_Y

GND

Infrared Transceiver

U2
TSSP58038

Vdrive   IR_RX   IR_TX

R8
190R

R7
1K

Vs 3
OUT 1
GND 2

DEMOD

D1
IRL81A

GND   GND

LCD Display

Vdrive

U3

LCD_CS	1	CS
LCD_RST	2	RST
LCD_A0	3	A0
LCD_SCLK	4	SCLK
LCD_SDA	5	SDA

VDD 6
LED_A 14
LED_K 13
VSS 7

R2
190R

LCD_BLK

LCD12864

GND   GND

Qwiic connector

+BATT

R4
190R

I2C_SCL

R6
4K7

J2
Qwiic

4
3
2
1

I2C_SDA

R3
190R

R5
4K7

VDD_EXT

FB2
FerriteBead

GND