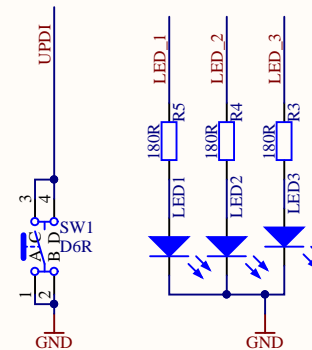
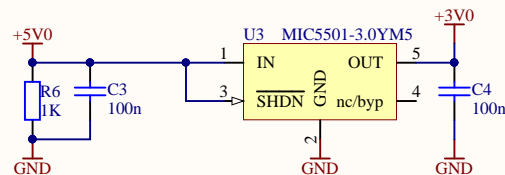


▲ Meaning of the LEDs will be defined by software

▲ R6 will set minimum loading of the powerbank



Title		
Tiny FIR		
Size	Number	Revision
A4		V1.0
Date:	21/03/2020	Sheet 1 of 1
File:	C:\Users\...\TinyFIR.SchDoc	Drawn By: Max Vandenbussche

Designator	Quantity	Comment	Description	Footprint
C1, C3	2	100n	CAPACITOR Ceramic Multi-Layer X7R; 100nF; 50V; 0603; Tolerance, +/-10%; Temp. op.	CAPC1608(0603)N
LED1	1	KP-2012SRC	LED SMD 0805 super bright red clear	DIO2012(0805)
LED2	1	KP-2012SYC	LED SMD 0805 super bright yellow clear	DIO2012(0805)
LED3	1	KP-2012MGC	LED SMD 0805 mega green clear	DIO2012(0805)
R1, R2	2	1K	Resistor Thick Film; 1K; 0603; 0.1W; 1%; 50V; 100ppm/DegC	RESC1608(0603)N
R3, R4, R5	3	180R	Resistor Thick Film; 180R; 0603; 0.1W; 1%; 50V; 100ppm/DegC	RESC1608(0603)N
SW1	1	D6R	SPST Momentary Key Switches	SW_SPST_PB_CK
U1	1	MLX90614	MLX90614 Infra Red Thermometer in TO-39	MLX90614_11C
U2	1	Attinyxx2	AVR® Microcontroller with Core Independent Peripherals	S/D IC127P600-8_straight
U3	1	MIC5501-3.0YM5	Voltage Regulator, Fixed LDO, Vo=+3V, Io=300mA, SOT23-5	SOT23-5

