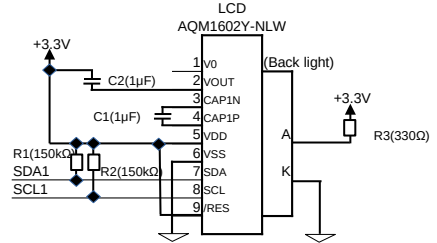
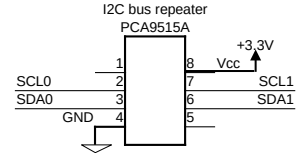
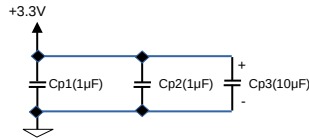
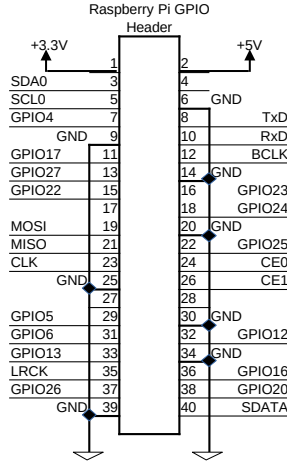
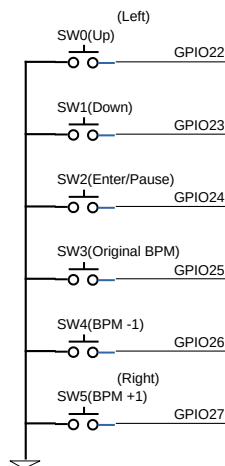
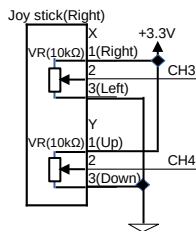
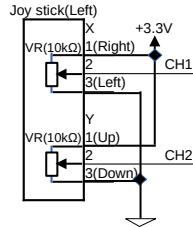
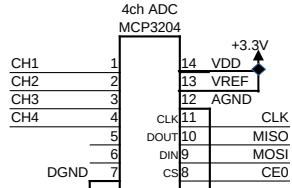
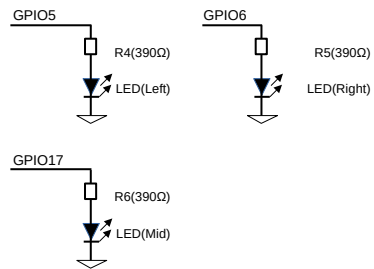


Circuit

Pocket Miku controller HAT for Raspberry Pi



*R1&R2 are calculated with Data sheet.
(10k to 15k or 100k to 150k Ω etc.)



Parts No.	Parts name	#	Note
Raspberry Pi GPIO Header	pin socket female 2x20	1	
4ch ADC	MCP3204	1	
Joy stick(Left), Joy stick(Right)	Analog Joy stick (VR10kΩ×2(X,Y))	2	Auto-return center type
SW0, SW1, SW2, SW3, SW4, SW5	Tact switch	6	
I2C bus repeater	PCA9515AD	1	
LCD	AQM1602Y-NLW	1	
R1, R2	150kΩ 1/6W	2	I2C bus pull up
R3	330Ω 1/6W	1	for Back light supply
C1, C2	1μF 25V	2	
LED(Left)	LED Green	1	
LED(Right)	LED Yellow	1	
LED(Mid)	LED Red	1	
R4, R5, R6	390Ω 1/6W	3	for LED supply
Cp1, Cp2	1μF 25V	2	bypass capacitor
Cp3	10μF 25V (chemical)	1	bypass capacitor