

RPi RGBW LED Controller HAT Rev 1.0

Reference	Quantity	Value	Part Number	Manufacturer	Vendor	Vendor Part Number	Tolerance	Voltage
C1 C2 C14	3	0.1uF	GCJ188R71E104KA2D	Murata	Mouser	81-GCJ188R71E104KA2D	10%	25V
C3 C4	2	330uF	EEE-FT1H331GP	Panasonic	Mouser	667-EEE-FT1H331GP	20%	50V
C5 C6 C8 C10 C12	5	1uF	GCJ188R71E105KA01D	Murata	Mouser	81-GCJ188R71E105KA1D	10%	25V
C7 C9 C11 C13	4	2.2uF	GCJ32DR72A225KA01L	Murata	Mouser	81-GCJ32DR72A225KA1L	10%	100V
D1	1		DF206ST-G	Comchip Tech	Mouser	750-DF206ST-G		
D2 D3 D4 D5	4		DFLS2100-7	Diodes Inc	Mouser	621-DFLS2100-7		
J1	1		2222	Adafruit	Mouser	485-2222		
L1 L2 L3 L4	4	100uH	7447714101	Würth	Mouser	710-7447714101		
Q1	1		DMG2305UX-7	Diodes Inc	Mouser	621-DMG2305UX-7		
Q2	1		BCM857BS-7-F	Diodes Inc	Mouser	621-BCM857BS-7-F		
R1	1	1k	ERJ-3EKF1001V	Panasonic	Mouser	667-ERJ-3EKF1001V	1%	
R14	1	4.7k	ERJ-3EKF4701V	Panasonic	Mouser	667-ERJ-3EKF4701V	1%	
R2 R3	2	3.9k	ERJ-3EKF3901V	Panasonic	Mouser	667-ERJ-3EKF3901V	1%	
R4	1	10k	ERJ-3EKF1002V	Panasonic	Mouser	667-ERJ-3EKF1002V	1%	
R5	1	47k	ERJ-3EKF4702V	Panasonic	Mouser	667-ERJ-3EKF4702V	1%	
R6 R8 R10 R12	4	40.2k	ERJ-3EKF4022V	Panasonic	Mouser	667-ERJ-3EKF4022V	1%	
R7 R9 R11 R13	4	5.76k	ERJ-3EKF5761V	Panasonic	Mouser	667-ERJ-3EKF5761V	1%	
SW1	1		B3U-1000P	Omron	Mouser	653-B3U-1000P		
U1	1		AT24CS32-SSHM	Atmel	Mouser	556-AT24CS32-SSHM-T		
U2	1		PCA9685PW	NXP	Mouser	771-PCA9685PW,112		
U3	1		OKI-78SR-5/1.5-W36H-C	Murata	Mouser	580-OKI78SR51.5W36HC		
U4 U5 U6 U7	4		LM3414MRX/NOPB	TI	Mouser	926-LM3414MRX/NOPB		
U8	1		DS18B20U+	Maxim	Mouser	700-DS18B20U		