











## Bill of Materials

Bill of Materials for Project [WackyRacesHat.PrjPcb] (No PCB Document Selected)

Source Data From:	_WackyRacesHat.PrjPcb	
Project:	WackyRacesHat.PrjPcb	
Variant:	None	

 Creation Date:
 22/06/2020
 10:42 PM

 Print Date:
 22-Jun-20
 10:42:10 PM

Footprint	Comment	LibRef	Designator	Description	Quantity
CAPC1608L	100nF	CC_100nF_0603	C1, C2, C5, C6, C7, C8, C13, C14, C15,	CAP CER 100nF X7R +-10% 50V 0603	14
CAPC3216L	22uF	CC_22uF_1206	C3, C4, C29	CAP CER 22uF Y5V -20% +80% 10V 1206	3
CAPC1608L	1uF	CC_1uF_0603	C9, C10, C11, C12	CAP CER 1uF Y5V -20% +80% 16V 0603	4
CAPC1608N	4.7uF	CC_4.7uF_0603	C18, C26	CAP CER 4.7uF X5R +-20% 10V 0603	2
CAPC1608L	10nF	CC_10nF_0603		CAP CER 10nF X7R +-10% 50V 0603	3
	10uF	CC_10uF_0603		CAP CER 10UF X5R +-20% 6V3 0603	1
	27pF	CC_27pF_0603		CAP CER 27pF NPO/COG +-5% 50V 0603	2
NICH-1	100uF/16V	CA_100uF_16V		CAP ALUM 100uF 16V SMD	1
SMC		DS_VS-30BQ01		DIODE, SCHOTTKY, 3A, 15V, DO-214AB /	1
WL-SMCW06		DL_150060VS75		LED Bright Green 40mcd 0603 SMD	1 1
WL-SMCW06		DL_150060RS75		LED Red 250mcd 0603 SMD	1
RESC3216N			F1	Fuse 5.0A Fast Acting 1206 SMD	1 1
	Header 5X2 Vert			IDC Header, 2,54mm, 10-Pin, Vert	1
	SMD Vert 1.25mi		H2, H4, H5, H6	Header_Vert_2Pos_1.25mm_125V@1A_SI	4
	Battery_HEADER			3Pin Header 2.54mm spacing	1
	JS_USB_MINI_E			USB 2.0, Right Angle, SMT, B Type, Recep	1 1
HEADER_3P			H8	3Pin Header 2.54mm spacing	]
	IND 5.2UH 6A	CDRH104RNP-5		FIXED IND 5.2UH 6A 22 MOHM SMD	1
	1A max, Idc 0.3F			Ferrite Bead, Rdc 0.3R, Z100MHZ 600R, Im-	
	PS1240P02BT BC817W	PS1240P02BT TB BC817W	LS1 Q1	Buzzers Transducer, Externally Driven Pieze NPN GP Bipolar Transistor 45V 500mA SC	
RESC1608L			R1, R5, R6, R11, R13, R17, R19, R20	RES 0.0 OHM 1/10W 5% 0603 SMD	8
	200K	RS 200K	R2	RES 200K OHM 1/10W 5% 0603 SMD	-
RESC1608L		RS_200K RS_100K	R3, R4	RES 100K OHM 1/10W 5% 0603 SMD	1 2
	1R	RT 1R	R7	RES 1R OHM 1/4W 5% 1206 SMD	1
	2K2	RS 2K2	R8. R9	RES 2.2K OHM 1/10W 5% 0603 SMD	2
	10R	RS 10R	R10. R16	RES 10 OHM 1/10W 5% 0603 SMD	2
	470R	RS 470R	R12	RES 470 OHM 1/10W 5% 0603 SMD	1
	680R	RS 680R	R14	RES 680 OHM 1/10W 5% 0603 SMD	'1
	1K	RS 1K	R15. R18	RES 1.0K OHM 1/10W 5% 0603 SMD	2
	27R	RS 27R	R21, R22	RES 27 OHM 1/10W 5% 0603 SMD	2
	EVQPNF05M	WS EVQPNF05		Panasonic 6 x 3.5mm SMD Light Touch Sw	
SOT 23 L	BSH105.215	TM BSH105	T1	MOSFET N-CH 20V 1.05A SOT-23	1
RD 8 1		ADP2302ARDZ		IC REG BUCK 5V 2A 8SOIC	'
Quad24	MPU-9250	MPU-9250	U2	9 axis IMU	l i
SOT95P280X	CAT 6219-330TD	SV CAT6219-33	U3. U8	IC REG LIN 3.3V 500MA TSOT23-5	2
LQFP64 L		SE_ATSAM4S16		IC MCU 32BIT 512KB FLASH 64LQFP	1
NRF24	nRF24 SMD		U6	nRF24 SMD Module	1
SOT23-6_N	SN74LVC1T45		U7	1.8V - 5V level converter	1
Joystick_Sw	Joystick 10k with	Joystick 10k with	VR1	JOYSTICK 10K OHM 2 AXIS TH	1
6.0X3.5-4	12MHz	XT_CRYSTAL_1	Y1	CRYSTAL 12MHZ 18PF 6X3.5mm SMD	1
					81
Approved Notes					