

Bill of Materials			Bill of Materials for PCB Document [WackyRacerPCB.PcbDoc]		
Source Data From:			WackyRacerPCB.PcbDoc		
Project:			WackyRacerDesign.PrjPcb		
Variant:			None		
Creation Date:			18/06/2020 4:25 PM		
Print Date:			18-Jun-20 4:25:29 PM		
Footprint	Comment	LibRef	Designator	Description	Quantity
SOT95P280X145-5N	CAT6219-330TDGT3	SV_CAT6219-330TDGT3	3V3_REG, 3V3RF_REG	IC REG LIN 3.3V 500MA TSOT23-5	2
RD_8_1	ADP2302ARDZ-5.0 BUCK	ADP2302ARDZ-5.0-R7	BUCK	IC REG BUCK 5V 2A 8SOIC	1
MOLEX_KK_2_HDR	2 Pin Molex KK HDR	JA_MOLEX_KK_2POS	Bumper, CH1, CH2, CH3, CH4, M_1, M_2, M_3	CONN HEADER 2POS 2.54mm VERT_Thru Hole	8
CAPC1608L	10uF	CC_10uF_0603	C1, C4, C10, C25	CAP CER 10UF X5R +-20% 6V3 0603	4
CAPC1608L	27nF	CC_27nF_0603	C2, C3	CAP CER 27nF X7R +-10% 50V 0603	2
CAPC1608L	100nF	CC_100nF_0603	C5, C12, C13, C14, C15, C16, C17, C18, C19, C22, C24, C26, C30, C31	CAP CER 100nF X7R +-10% 50V 0603	14
CAPC3216L	22uF	CC_22uF_1206	C6, C7	CAP CER 22uF Y5V -20% +80% 10V 1206	2
CAPAE6666X77M	100uF/25V	CA_100uF_25V	C8	CAP ALUM 100UF 25V 20% SMD	1
CAPC1608L	10nF	CC_10nF_0603	C9	CAP CER 10nF X7R +-10% 50V 0603	1
CAPC1608L	2.2uF	CC_2.2uF_0603	C11, C27	CAP CER 2.2uF X5R +-20% 10V 0603	2
CAPC1608L	1uF	CC_1uF_0603	C20, C21, C28, C29	CAP CER 1uF Y5V -20% +80% 16V 0603	4
CAPC1608N	4.7uF	CC_4.7uF_0603	C23, C32	CAP CER 4.7uF X5R +-20% 10V 0603	2
SMC	SCHOTTKY 30V 4A	MBRS330T3G	D1	DIODE SCHOTTKY 30V 4A SMC	1
WL-SMCW0603	Dark Green	DL_150060GS75000	DL1	LED Dk Green 430mcd 0603 SMD	1
WL-SMCW0603	Red	DL_150060RS75000	DL2	LED Red 250mcd 0603 SMD	1
RESC3216N	5A	FS_Fuse_5.0A	F1	Fuse 5.0A Fast Acting 1206 SMD	1
IDC2.54-V10D	Header 5X2 Vert	JA_HDR_IDC_5X2_VERT	H1	IDC Header, 2.54mm, 10-Pin, Vert	1
BATT_HEADER_3POS	Battery_HEADER_3pin	Battery_HEADER_3pin	H3	3Pin Header 2.54mm spacing	1
HEADER_3POS	HEADER_3	HEADER_3	H4	3Pin Header 2.54mm spacing	1
HTSOP16	DRV8833	DRV8833	H-Bridge_1, H-Bridge_2	Dual H-Bridge Motor Driver 1.5A	2
INDC3216L	1A max, Idc 0.3R,	IN_Ferrite-Bead	L1, L3	Ferrite Bead, Rdc 0.3R, Z100MHZ 600R, Imax 1A, SMD 1206	2
INDUCTOR5u2	IND 5.2UH 6A	CDRH104RNP-5R2NC	L2	FIXED IND 5.2UH 6A 22 MOHM SMD	1
TP_0603	=Value	TP_0603	LED_IN1, MOSI, SCK	Test Point 1.65X0.9X1.2mm SMD	3
MOLEX_KK_3_HDR	3 Pin Molex KK Hdr	JA_MOLEX_KK_3POS	LED_TAPE	CONN HEADER 3POS 2.54mm VERT_Thru Hole	1
SOT23-6_N	SN74LVC1T45	SN74LVC1T45	LVL_CON	1.8V - 5V level converter	1
TP_0603	TP_0603	TP_0603	MISO	Test Point 1.65X0.9X1.2mm SMD	1
NRF24	nRF24 SMD	NRF24	nRF24	nRF24 SMD Module	1
SOT23_L	SSM3J328R,LF	TM_SSM3J328R	Q1	MOSFET P-CH 20V 6A SOT23-3	1
RESC1608L	10R	RS_10R	R1	RES 10 OHM 1/10W 5% 0603 SMD	1
RESC1608L	27R	RS_27R	R2, R3	RES 27 OHM 1/10W 5% 0603 SMD	2
RESC1608L	100R	RS_100R	R4, R6	RES 100 OHM 1/10W 5% 0603 SMD	2
RESC1608L	1K3	RS_1K3	R7	RES 1.3K OHM 1/10W 5% 0603 SMD	1
RESC1608L	100K	RS_100K	R8, R9	RES 100K OHM 1/10W 5% 0603 SMD	2
RESC1608L	0R	RS_0R0	R10, R11, R13, R14	RES 0.0 OHM 1/10W 5% 0603 SMD	4
RESC3216L	1R	RT_1R	R12	RES 1R OHM 1/4W 5% 1206 SMD	1
RESC1608L	470K	RS_27R, RS_47R	R15, R19	RES 27 OHM 1/10W 5% 0603 SMD, RES 47 OHM 1/10W 5% 0603 SMD	2
RESC1608L	270K	RS_27R, RS_47R	R16, R18	RES 27 OHM 1/10W 5% 0603 SMD, RES 47 OHM 1/10W 5% 0603 SMD	2
RESC1608L	10K	RS_10K	R17, R20	RES 10.0K OHM 1/10W 5% 0603 SMD	2
EVQPNF05M	EVQPNF05M	WS_EVQPNF05M	S1, S2	Panasonic 6 x 3.5mm SMD Light Touch Switch Type SMD	2
LQFP64_L	ATSAM4S8BA-ANR	SE_ATSAM4S16BA-MU	U1	IC MCU 32BIT 512KB FLASH 64LQFP	1
MOLEX_KK_4_HDR	Ultrasonic Sensor Connector	JA_MOLEX_KK_4POS	US	CONN HEADER 4POS 2.54mm VERT_Thru Hole	1
FCL_USB_10118194-0001LF	JS_USB_MICRO_B	JS_USB_MICRO_B_SMT	USB	CONN USB MICRO B RECPT SMT R/A	1
6.0X3.5-4	12MHz	XT_CRYSTAL_12MHz_18pF	Y1	CRYSTAL 12MHZ 18PF 6X3.5mm SMD	1
					88
Approved		Notes			