

Bill of Materials

Bill of Materials for PCB Document [hat.PcbDoc]

Source Data From: hat.PcbDoc  
Project: Hat.PjnPcb  
Variant: None

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Footprint	Comment	LibRef	Designator	Description	Quantity
CAPC2012L	10uF	CC_10uF_0603	C1, C21, C42	CAP CER 10uF XSR 16V 0603	3
CAPC1608L	22uF	CC_22uF_0603	C2, C25	CAP CER 22uF NP0C0G +-5% 50V 0603	2
CAPC1608L	1uF	CC_1uF_0603	C3, C16, C26, C30	CAP CER 1uF Y5V +-20% +80% 16V 0603	4
CAPC1608N	4.7uF	CC_4.7uF_0603	C4, C15, C17	CAP CER 4.7uF XSR +-20% 10V 0603	3
CAPC1608L	100nF	CC_100nF_0603	C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C18, C20, C22, C23, C24, C28, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41	CAP CER 100nF X7R +-10% 50V 0603	27
CAPC1608L	10nF	CC_10nF_0603	C19	CAP CER 10nF X7R +-10% 50V 0603	1
CAPC3216L	22uF	CC_22uF_1206	C26, C27	CAP CER 22uF Y5V -20% +80% 10V 1206	2
DIOM4227X2	VS-30BQ015-M	DS_VS-30BQ01	D1	DIODE, SCHOTTKY, 3A, 15V, DO-214AB	1
DIOM4227X2	SS14-E3/5AT	DS_SS14E3	D2, D3	DIODE, SCHOTTKY, 1A, 40V, DO-214AC	2
WL-SMCM08	Red	DL_150060RST	DL1	LED Red 250mcd 0603 SMD	1
WL-SMCM08	Green	DL_150060GST	DL2	LED Green 430mcd 0603 SMD	1
RESC3216N	2A	FS_Fuse_2.0A	F1	Fuse 2.0A Very Fast Acting 1206 SMD	1
RESC3216N	0.25A	FS_Fuse_0.25A	F2	Fuse 0.25A Very Fast Acting 1206 SMD	1
FCU_USB_10	JS_USB_MICR	JS_USB_MICR	H1	CONN USB MICRO B RECPY SMT R/A	1
IDC22-54-V10	Header 5X2 Vert	JA_HDR_IDC_5	H2	IDC Header, 2.54mm, 10-Pin, Vert	1
BATT_HEAD3	Battery_HEAD3	Battery_HEAD3	H3	3Pin Header 2.54mm spacing Digkey #WMZ2663-ND	1
MOLEX_KK3	LED_Strip_Head	LED_Strip_Head	H4	CONN HEADER 3POS 2.54mm VERT_Th	1
INDC3216L	1A max, 1dc:0.3	IN_Ferrite-Bead	L1, L3	Ferrite Bead, Rdc: 0.3R, Z100MHZ 600R, 1A	2
INDUCTORS	IND 5.2UH 6A	CDRH104RNP4	L2	FIXED IND 5.2UH 6A 22 MOHM SMD	1
HDR1X2	CH1	JA_PIN_Header	P2	Header, 2-Pin	1
HDR1X2	CH2	JA_PIN_Header	P3	Header, 2-Pin	1
HDR1X2	CH3	JA_PIN_Header	P4	Header, 2-Pin	1
HDR1X6	GPRO_Header	JA_PIN_Header	P5	Header, 6-Pin	1
HDR1X2	CH4	JA_PIN_Header	P6	Header, 2-Pin	1
HDR1X2	Joy_sel	JA_PIN_Header	P7	Header, 2-Pin	1
HDR1X3	Servo	JA_PIN_Header	P8	Header, 3-Pin	1
BUZZER	Piezo Buzzer	Piezo Buzzer	P9	TDK - PS1240P02BT - BUZZER, PIEZO, 70dB	1
HDR1X3	LS1	JA_PIN_Header	P11	Header, 3-Pin	1
HDR1X3	LS2	JA_PIN_Header	P12	Header, 3-Pin	1
HDR1X2	Spare	JA_PIN_Header	P13	Header, 2-Pin	1
SOT323_M	BC817W	TB_BC817W	Q1	NPN GP Bipolar Transistor 45V 500mA SOT323	1
SOT23_L	SSM3J328R-LF	TM_SSM3J328R	Q2	MOSFET P-CH 20V 6A SOT23-3	1
RESC1608L	27K	RS_27K	R1	RES 27K OHM 1/10W 5% 0603 SMD	1
RESC1608N	47K	RS_47K	R2	RES 47.0K OHM 1/10W 5% 0603 SMD	1
RESC1608L	150K	RS_150K	R3	RES 150K OHM 1/10W 5% 0603 SMD	1
RESC1608L	100K	RS_100K	R4, R81	RES 100K OHM 1/10W 5% 0603 SMD	2
RESC1608L	3K	RS_3K	R5	RES 3K OHM 1/10W 5% 0603 SMD	1
RESC1608L	2K	RS_2K	R6	RES 2K OHM 1/10W 5% 0603 SMD	1
RESC1608L	27R	RS_27R	R8, R24	RES 27 OHM 1/10W 5% 0603 SMD	2
RESC1608L	2K2	RS_2K2	R16, R19	RES 2.2K OHM 1/10W 5% 0603 SMD	2
RESC1608L	1K	RS_1K	R21, R22	RES 1.0K OHM 1/10W 5% 0603 SMD	2
RESC3216L	1R	RT_1R	R23	RES 1R OHM 1/4W 5% 1206 SMD	1
RESC1608L	10K	RS_10K	R27, R34	RES 10.0K OHM 1/10W 5% 0603 SMD	2
RESC1608L	24K	RS_24K	R29	RES 24K OHM 1/10W 5% 0603 SMD	1
EVQPNF05M	nRST	WS_EVQPNF05	S1	Panasonic 6 x 3.5mm SMD Light Touch Switch	1
EVQPNF05M	SLEEP	WS_EVQPNF05	S2	Panasonic 6 x 3.5mm SMD Light Touch Switch	1
LQFP64_L	ATSAM58BBA-1	SE_ATSAM58B	U1	IC MCU 32BIT 512KB FLASH 64LQFP	1
SOT96P280X	CAT6219-330TD	SV_CAT6219-33	U2, U4	IC REG LIN 3.3V 500MA TSOT23-5	2
RD_6_1	ADP2302ARDZ	ADP2302ARDZ	U3	IC REG BUCK 5V 2A 8SOIC	1
QUAD24	MPU-9250	MPU-9250	U5	9 axis IMU	1
SOT23-6_N	SN74LVC1T45	SN74LVC1T45	U7, U8, U9	1.8V - 5V level converter	3
NRF24	nRF24 SMD	NRF24	U10	nRF24 SMD Module	1
Joystick_Sw	Joystick 10k w/l	Joystick 10k w/l	VR1	JOYSTICK 10K OHM 2 AXIS TH	1
6.DG.5-4	12MHz	XT_CRYSTAL	Y1	CRYSTAL 12MHZ 18PF 6X3.5mm SMD	1
99					99

Approved	Notes