

Description	Comment	Designator	MFG	MFG PN	Digi-Key PN	Q
<b>Resistors</b>						
RES SMD 0 OHM JUMPER 1/10W 0603	0Ω	R18	Yageo	RC0603JR-070RL	311-0.0GRCT-ND	1
RES SMD 100 OHM 5% 1/10W 0603	100Ω	R6, R7, R8, R15, R16, R17	Yageo	RC0603JR-07100RL	311-100GRCT-ND	6
RES SMD 1K OHM 5% 1/10W 0603	1kΩ	R9, R10, R11, R12, R13, R14	Yageo	RC0603JR-071KL	311-1.0KGRCT-ND	6
RES SMD 5.1K OHM 5% 1/10W 0603	5.1kΩ	R4, R5	Yageo	RC0603JR-075K1L	311-5.1KGRCT-ND	2
RES SMD 10K OHM 5% 1/10W 0603	10kΩ	R1, R19	Yageo	RC0603JR-0710KL	311-10KGRCT-ND	2
RES SMD 51K OHM 5% 1/10W 0603	51kΩ	R2, R3	Yageo	RC0603JR-0751KL	311-51KGRCT-ND	2
RES SMD 100K OHM 5% 1/10W 0603	100kΩ	R20	Yageo	RC0603JR-07100KL	311-100KGRCT-ND	1
<b>Capacitors</b>						
CAP CER 8.2PF 50V NPO 0603	8.2pF	C2	Yageo	CC0603CRNPO9BN8R2	311-3865-1-ND	1
CAP CER 33PF 50V C0G/NPO 0603	33pF	C1	Yageo	CC0603JRNPO9BN330	311-1064-1-ND	1
CAP CER 680PF 50V X7R 0603	680pF	C18	Yageo	CC0603KRX7R9BB681	311-1188-1-ND	1
CAP CER 10000PF 50V X7R 0603	10nF	C3, C22	Yageo	CC0603JRX7R9BB103	311-1778-1-ND	2
CAP CER 0.1UF 16V X7R 0603	100nF	C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C16, C17, C19, C20, C21, C23, C33, C34, C36	Yageo	CC0603KRX7R7BB104	311-1088-1-ND	19
CAP CER 4.7UF 10V X5R 0603	4.7μF	C14, C15	Yageo	CC0603MRX5R6BB475	311-1820-1-ND	2
<b>Ferrites</b>						
FERRITE BEAD 33 OHM 0603 1LN	BKP1608HS330	L1	Taiyo Yuden	BKP1608HS330-T	587-1926-1-ND	1
<b>Crystals</b>						
CRYSTAL 24.576MHZ SMD	24.576MHz	X1	Huijing	N/A	N/A	1
<b>Diodes</b>						
TVS DIODE 5V 25V SC70-5	RCLAMP0503F	D1	Semtech Corp	RCLAMP0503F.TCT	RCLAMP0503F.TCTCT-ND	1
DIODE SCHOTTKY 100V 150MA SOD323	BAT46JFILM	D2, D3, D4, D5, D6	ST	BAT46JFILM	497-6653-1-ND	5
<b>LEDs</b>						
LED RGB CLEAR 4SMD	RGB	LED1	Everlight Electronics	EAST1616RGBB4	1080-1552-1-ND	1
LED RED CLEAR CHIP SMD	Red	LED2	Lite-On Inc.	LTST-C190KRKT	160-1436-1-ND	1
LED GREEN CLEAR CHIP SMD	Green	LED3	Lite-On Inc.	LTST-C190KGKT	160-1435-1-ND	1
LED BLUE CLEAR CHIP SMD	Blue	LED4	Lite-On Inc.	LTST-C190TBKT	160-1646-1-ND	1
<b>Transistors</b>						
TRANS NPN 40V 0.2A SOT23	3904	Q1, Q2, Q3	Micro Commercial	MMBT3904-TP	MMBT3904TPMSCT-ND	3
<b>ICs</b>						
XInC2 Multi-Threaded μC LQFP	XC1201-R3003	U1	Eleven Engineering	XC1201-R3003	N/A	1
IC MCU 32BIT 16KB FLASH 20TSSOP	STM32F042F4P6	U2	ST	STM32F042F4P6	497-17343-ND	1
IC FLASH 2MBIT SPI 104MHZ 8SOIC	2 MBit Flash	U3	Winbond Electronics	W25Q20CLSNIG	W25Q20CLSNIG-ND	1
IC REG LINEAR 3.3V 1A SOT223	AP2114	U4	Diodes Inc	AP2114HA-3.3TRG1	AP2114HA-3.3TRG1DICT-ND	1
<b>Headers</b>						
CONN RCPT 36POS 0.1 TIN PCB	SSQ-118-03-T-D	H1, H2	Samtec	SSQ-118-03-T-D	SAM1204-18-ND	2
CONN HEADER SMD 8POS 1.27MM	XPD Header	H3	Samtec Inc.	FTS-104-01-L-DV	SAM1157-04-ND	1
CONN HEADER VERT 2POS 2.54MM	H - 100mil - M - TH - 1x2	H4	Samtec Inc.	TSW-150-07-T-S *	SAM1035-50-ND *	1
CONN HEADER VERT 3POS 2.54MM	H - 100mil - M - TH - 1x3	H5	Samtec Inc.	TSW-150-07-T-S *	SAM1035-50-ND *	1
<b>Jacks</b>						
CONN RCPT USB2.0 TYPEC 16POS	USB 2.0 Type C TH	J1	GCT	USB4085-GF-A	2073-USB4085-GF-ACT-ND	1
<b>Switches</b>						
SWITCH TACTILE SPST-NO 3VA 28V	Tact - NO	SW1, SW2, SW3	NKK Switches	HP0315AFKP2-R	360-2595-1-ND	3
<b>Fuses</b>						
FUSE 1.5A 63VAC/DC SLOW 1206	1.5A Slow	F1	Bel Fuse Inc.	0685T1500-01	507-1893-1-ND	1

\* Ordering one of these parts is enough to populate H4 and H5 on 10 PCBAs