

Parts	Qty	Value	Device	Package
K1, K2, K3	3		5-XX	B3F-5XX
JP4	1		HEADER-1X7ROUND	1X07_ROUND
IC1	1		IC_TPS6120XQFN10	QFN-10
LED1, LED2, LED3	3		LED_LEDSML0603	LED_SML0603
F1	1		PTCFUSE-1812	1812
SJ1	1		SOLDERJUMPERREFLOW	SOLDERJUMPER_REFLOW
S1	1		SWITCH-SPDT-SMD-A	SWITCH-SPST-SMD-A
R66	1	1.5K	RESISTOR0603	RLC_0603
R9, R10, R12	3	100K	RESISTOR0603	RLC_0603
R52, R54, R319	3	100Ohm	RESISTOR0603	RLC_0603
C9, C10, C45, C48, C49, C50, C51, C56, C57, C58, C60, C63, C65, C66, C67, C71, C72, C209, C210, C211, C212	21	100nF	CAPACITOR0603	RLC_0603
C37, C38	2	100uF	CPOL-USD/7343-31R	D/7343-31R
R4, R5, R13, R14, R15, R17, R18, R19, R34, R40, R45, R46, R47, R50, R61, R62, R63, R64, R69, R70, R71, R102	22	10K	RESISTOR0603	RLC_0603
R30, R41	2	10M	RESISTOR0603	RLC_0603
R2	1	10Ohm	RESISTOR0603	RLC_0603
C74, C75	2	10nF	CAPACITOR0603	RLC_0603
C62, C64	2	10uF	CAPACITOR0603	RLC_0603
C15	1	130pF	CAPACITOR0603	RLC_0603
Y1	1	16Mhz	CRYSTALTXC-7A	CRYSTAL-TXC-7A
R23, R24, R25, R39, R44	5	1K	RESISTOR0603	RLC_0603
R1, R42	2	1M	RESISTOR0603	RLC_0603
C11, C12, C16, C39, C42, C43, C79	7	1nF	CAPACITOR0603	RLC_0603
C4, C5, C59, C61	4	1uF	CAPACITOR0603	RLC_0603
C78	1	2.2uF	CAPACITOR0603	RLC_0603
R33, R49, R51	3	2.4K	RESISTOR0603	RLC_0603
R26	1	215.9K	RESISTOR0603	RLC_0603
C2, C3, C14, C53, C54	5	22pF	CAPACITOR0603	RLC_0603
R20, R31	2	240K	RESISTOR0603	RLC_0603
R21	1	24K	RESISTOR0603	RLC_0603
R7, R8	2	27Ohm	RESISTOR0603	RLC_0603
C77	1	2nF	CAPACITOR0603	RLC_0603
R59	1	3.3K	RESISTOR0603	RLC_0603
R53, R65, R72	3	330Ohm	RESISTOR0603	RLC_0603
R22, R27, R28, R29	4	33Ohm	RESISTOR0603	RLC_0603
C1, C18, C19, C21, C22, C23, C24, C25, C26, C28, C29, C30, C31, C32, C44, C46, C47, C76	18	33nF	CAPACITOR0603	RLC_0603
C6, C7, C8, C206	4	4.7uF	CAPACITOR0603	RLC_0603
C27, C33, C34	3	4.7uF	CAPACITOR1210	RLC_1210
C68, C69, C70, C73	4	4.7uF	CAP_TANTALUMA/3216_REFLOW	EIA3216-18/A-R
C35	1	47pF	CAPACITOR0603	RLC_0603
R11	1	510K	RESISTOR0603	RLC_0603
FB1, FB2, FB3	3	600 OHM	FERRITERLC_0603	RLC_0603
R43	1	74.74K	RESISTOR0603	RLC_0603
IC9, IC10	2	74XX244	74XX244-OCTAL-TRISTATE-BUFFE	TSSOP-20
R3	1	820K	RESISTOR0603	RLC_0603
R60	1	95.3K 1%	RESISTOR0603	RLC_0603
R55	1	953K 1%	RESISTOR0603	RLC_0603
IC14	1	AD8052	OPAMP-AD8052	MSOP8
IC12	1	AT91SAM7S512EAT91SAM7S64		LQFP-64
U\$9	1	BATT	BATT	BATT
U40	1	BITFURY	BITFURY	QNF48
BUZ1	1	BUZZER	BUZZER	BUZZER
IC11	1	CD4066	CD4066	TSSOP-14
L2	1	H2D18/HPNP-2RCDRH2D18		CDRH2D18
D1, D2, D3, D7, D10, D11	6	DIODE-SMD-SOT2	DIODE-SMD-SOT23	SOT23-3LEAD
U1	1	FERRITE0805	FERRITE0805	RLC_0805
RLY1	1	G6S-2H	G6S-2H	G6S-2F
IC4	1	HCU-INVERTERHCU-INVERTER		SMV-5
SV5	1	HEADER-MALE-6X	HEADER-MALE-6X1	HEADER-MALE-6X1-0.100-UNKEYED
SV2	1	HIROSE-MQ172-4P	HIROSE-MQ172-4POS	HIROSE-MQ172-4POS
JP2	1	JUMPER-3SMD	JUMPER-3SMD	SJ_3
U\$7	1	MC34674	MC34674	UDFN-EP
IC7	1	MCP100	MCP100	SOT23-3LEAD
IC106	1	MCP1824T-120	TPS79912	SOT-23-5
IC105	1	MCP1824T-250	TPS79925	SOT-23-5
IC6	1	MCP6294	OPAMP-TLC2274	TSSOP-14
Q3	1	MMBT2222	TRANSISTOR_NPNSOT23	SOT-23-3
Q1	1	PN-SOT23-2N39(NPN-SOT23-2N3904		SOT23-3LEAD
IC3, IC13	2	M2ZP-3V3-LDO-PQ1X331M2ZP-3V3-LDO-SOT-23-5		SOT-23-5
U4	1	SDCARD	USD-SOCKETNEW	MICRO-SD-SOCKET-PP

OE1, OE2, OE3, OE4, OE5, OE6, OE7, OE8,
 OE9, OE10, OE11, TP1, TP6, TP7, TP11,
 TP12, TP13, TP14, TP15, TP16, TP18, TP19,
 TP20, TP22, TP23, TP24, TP25, TP26, TP28,
 TP29, TP30, TP31, TP32, TP33, TP34, TP35,
 TP36, TP37, TP38, TP39, TP40, TP42, TP43,
 TP44, TP45, TP46, TP47, TP48, TP49, TP50,
 TP51, TP52, TP53, TP54, TP55, TP56,
 TP_ADC_NOE
 TP8
 TP9, TP10
 TP2, TP3, TP4, TP5
 IC8
 IC5
 UG-2864HSWEG01 OLED display
 USB-MICRO
 SV1
 D6
 U2
 XT1
 C13, C17, C20, C36, C40, C41
 R36, R37, R38, R48
 R16, R32, R35

57	TESTPAD	TESTPAD	SMD-TESTPOINT
1	PADKEYSTONE	TESTPADKEYSTONE-PTH	KEYSTONE-PTH-TESTPOINT-5011
2	PADKEYSTONE--MERGED_TESTPADKEYSTONE-	5--MERGED_KEYSTONE-SMD-TESTPOINT-5015	
4	PADKEYSTONE	TESTPADKEYSTONE-SMD	KEYSTONE-SMD-TESTPOINT-5015
1	TLC5540	TLC5540	TSSOP-24
1	TLV3502	COMP-TLV3502SOT-23-8-OR-MSO	ISOT-23-8-OR-MSOP-8
1	G-2864HSWEG0	MICROBUILDER_DISP_OLED_UG-;U3	
1	USB-MICROB	USB-MICROB	USB-MICROB
1	USB-MINIB	USB-MINIB	USB-MINIB-SMD
1	BUG_PRTR5V0	USBUG_PRTR5V0U2X	USBUG_SOT143B
1	XC3S50	XC3S50	VQ100
1	-SMD-CITIZEN-	XTAL-SMD-CITIZEN-CS10	XTAL-SMD-CITIZEN-CS10
6	dnf	CAPACITOR0603	RLC_0603
4	dnf	RESISTOR0603	RLC_0603
3	zerohm	RESISTOR0603	RLC_0603