

K3NG_ATU_VK3PE OLED-CONTROL BOARD BILL OF MATERIAL				
DRAFTED 300418				
Part Type	Designator	Footprint	Description	NOTES
100nF	C19	0805	Capacitor X7R	
100nF	C17	0805	Capacitor X7R	
100nF	C24	0805	Capacitor X7R	
100nF	C18	0805	Capacitor X7R	
100nF	C12	0805	Capacitor X7R	
100nF	C56	0805	Capacitor X7R	
100nF	C46	0805	Capacitor X7R	
100nF	C11	0805	Capacitor X7R	
100nF	CLCD1	0805	Capacitor X7R	
100nF	Cx	0805	Capacitor X7R	
100nF NOT USED	C999	0805	Capacitor X7R	
10K	R17	1206-0805	RESISTOR SMD	
10K	R110	1206-0805	RESISTOR SMD	
10K	R111	1206-0805	RESISTOR SMD	
10K	R14	1206-0805	RESISTOR SMD	
10K	R16	1206-0805	RESISTOR SMD	
10K	R15	1206-0805	RESISTOR SMD	
10K	R3	1206-0805	RESISTOR SMD	
10K	R4	1206-0805	RESISTOR SMD	
10nF	C21	0805	Capacitor X7R	
10nF	C13	0805	Capacitor X7R	
10nF	C32	0805	Capacitor X7R	
10uF/10V	C25	CCASE	polarized cap SMD	
10uF/16V	C20D	1812	polarized cap SMD	
10uF/16V	C20C	1812	polarized cap SMD	
10uF/16V	C20A	1812	polarized cap SMD	
10uF/16V	C20B	1812	polarized cap SMD	
1K	R18	1206-0805	RESISTOR SMD	
1K	R19	1206-0805	RESISTOR SMD	
1N4148	D11	AXIAL0.4	DIODE AXIAL BENT TO 0.4" PITCH	

1N4148	D10	AXIAL0.4	DIODE AXIAL BENT TO 0.4" PITCH	
1N4148	D13	AXIAL0.4	DIODE AXIAL BENT TO 0.4" PITCH	
1N4148	D12	AXIAL0.4	DIODE AXIAL BENT TO 0.4" PITCH	
2 PIN HEADER LOCKING	JPWR1	SIP2	2 PIN HEADER 0.1" PITCH	
2K2	R8	1206-0805	RESISTOR SMD	
2K2	R7	1206-0805	RESISTOR SMD	
2T on bead	L22	1206	Inductor	2T ON FERRITE BEAD OR SMD BEAD
74HC74	U4	SOIC-14		
78M05 (SMD)	U5	DPAK-3	CHECK PINOUT > 1. IN, 2. GND, 3. OUT	
Arduino "NANO"	NANO1	DIP30	STANDARD ARDUINO NANO BOARD HEADERS ON BOTTOM	
HEADER 2X5	J3A		HEADER 2 ROW 0.1" PITCH	
HEADER 2X5	J1A		HEADER 2 ROW 0.1" PITCH	
HEADER 4	OLED1	OLED	4 PIN HEADER STRIP FOR OLED DISPLAY	
HEADER 5	J1	5pin	5 PIN HEADER 0.1" PITCH	
HEADER LOCKING 4 PIN	JSW1	SIP4	2 PIN HEADER 0.1" PITCH	
LM358	U3	SOIC 14		
MCP23008-E/SO	U1	SOIC 18W		
MCP23008-ESO	U6	SOIC 18W		
MMBT3904 (SMD)	Q4	SOT23	TRANSISTOR SMD	
MMBT3904 (SMD)	Q5	SOT23	TRANSISTOR SMD	
NOT USED	D9	AXIAL0.5		
NOTE 1	R2	1206-0805	SEE SCH	
NOTE 1	R1	1206-0805	SEE SCH	
ULN2803ADWG4	U2	SOIC-18	HIGH-VOLTAGE,HIGH-CURRENT DARLINTON ARRAYS	
ULN2803ADWG4	U7	SOIC-18	HIGH-VOLTAGE,HIGH-CURRENT DARLINTON ARRAYS	
PCB				BY VK3PE