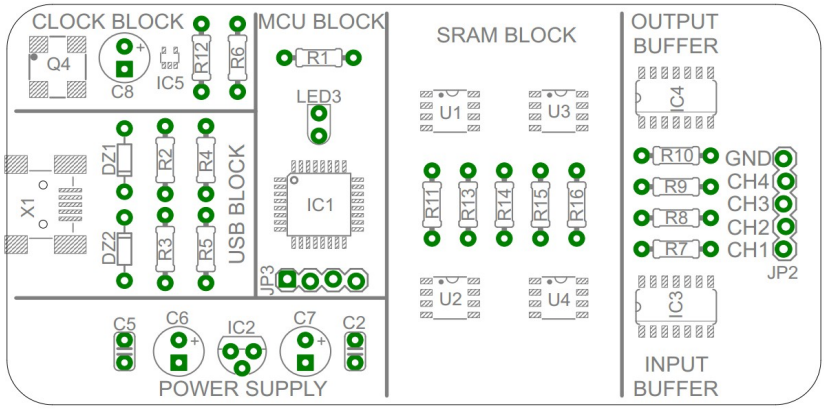
PCB Top Side



Components list

Part	Value		Device	Quantity	
IC1	ATMEGA168PA		MCU	1	Pre-Soldered Components
IC3;IC4	74LCX125M		BUFFER	2	
IC5	74LVC1G125DCK		PICOGATE	1	
Q4	20MHz OSCILLATOR		OSCILLATOR SMD	1	
U1;U2;U3;U4	23K256		MEMORY	4	
X1	USB CONNECTOR		USBOLD	1	
JP3	PROGRAMMATION PORT		M04 LOCK	1	NC
C2;C5	10nF		CAPACITOR	2	Components to be soldered
C6;C7;C8	10µF		CAPACITOR	3	
DZ1;DZ2	3V6 DIODE ZENER		DIODE ZENER	2	
IC2	LP2950Z		3V3 REGULATOR	1	
JP2	PROBES CONNECTOR		M05 LOCK	1	
LED3	RED LED		LED	1	
R1	100Ω		RESISTOR	1	
R2;R12	1,5KΩ		RESISTOR	2	
R3	1MΩ		RESISTOR	1	
R4;R5	56Ω		RESISTOR	2	
R6;R11;R13 R14;R15;R16	1KΩ		RESISTOR	6	
R7;R8;R9;R10	100KΩ		RESISTOR	4	

1st step: Resistors & Diodes

- Start by bending the leads of the resistors & diodes.
- Place the resistors R1 to R16.
- Place the diodes DZ1 & DZ2. Caution to the direction of the diodes.
- Solder the leads on the bottom side of the PCB.

2nd step: Regulator & Capacitors

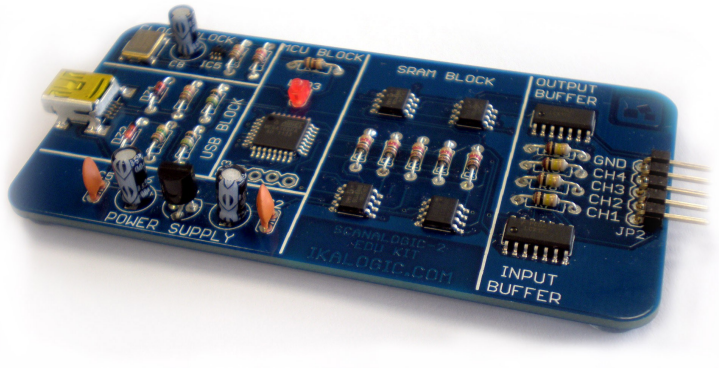
- Place the regulator IC2.
- Place the capacitors C2, C5, C6, C7 & C8.
- Solder the leads on the bottom side of the PCB.

3rd step: Red led & Probes connector

- Place the red led LED3 caution to the direction of the led.
- Place the probes connector JP2.
- Then solder the leads on the bottom side of the PCB.

4th step: Finishing & Test

- Fix the bumpers on the bottom side of the PCB as marked on the bottom silkscreen.
- Launch the FREE ScanaStudio software and plug your device to your PC via a USB cable.
- If you experience any problem with your Scanalogic-2 EDU KIT, please contact us at tech@ikalogic.com.



Good luck, and have fun building your Scanalogic-2 EDU KIT !