



BIG EASY MODELING SOLUTIONS PRESENTS:

THE BLINKY BOARD™

Thank you for your purchase of this Multi-purpose Blinky Board™ Lighting Effects Board!

The board has come prewired with wire leads. Simply connect the positive leg any LED's (with recommended resistor) to the wire lead for the effect you wish and the negative to the BLACK wire. (GND) Main power to the board must be connected to the RED wire. (RAW) *Main power in should be 5V - 9V to minimize heat. All output voltage from the board will be 5V due to the onboard voltage regulator. Choose the resistor that best works for 5V depending on the type of LED you're using. (in most cases, 360 - 470 ohms should be sufficient)

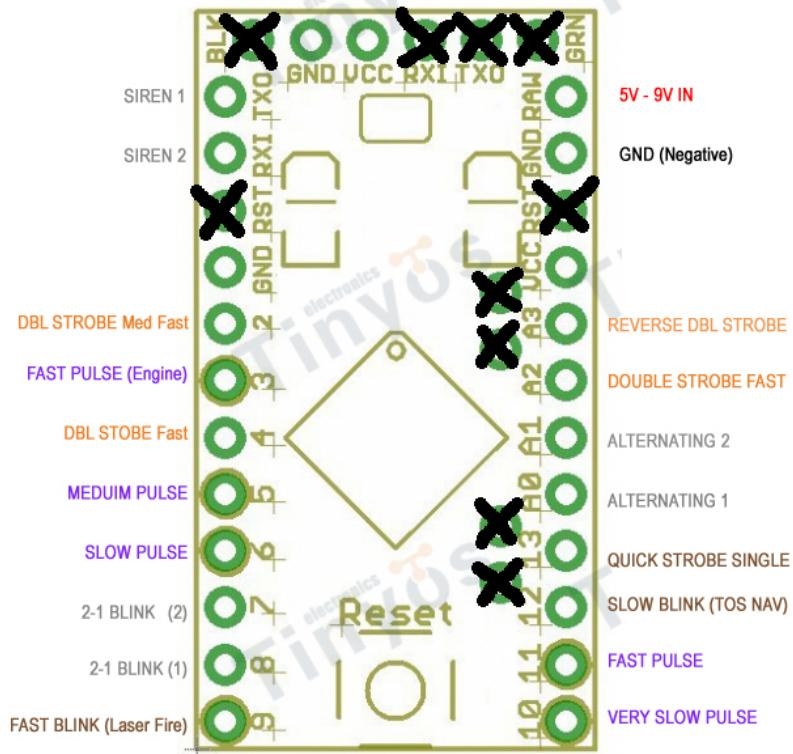
There are 18 different effects/blink rates available to you. Use as many or as few as you need for your project. More than one LED can be linked to any effect. We recommend using no more than 40 total LED's powered by the board. It may be possible to use more, but it has only been tested to 40 total and more may overtax the voltage regulator. To get multiple effects into tight spaces, it is recommended to use fiber optics.

To make things easier, the wires are color coded according to the type of effect they produce. Purple wires produce a pulsing effect. Orange wires produce a double strobe. Brown wires produce a general blink rate. Gray wires are designed to sync with the gray wire directly next to it in an alternating pattern, though they can also be used independently. The black wire is negative. (GND) The red wire is positive voltage in. (RAW) For details on specific effects, see the diagram on the next page.

*NOTE: There are some contact points not used (marked by the "X" in the diagram) and any GND point on the board may be used to add a ground (negative) wire. VCC points can be a constant 5V out wire, if needed)

For any questions, contact us anytime through our Facebook page or at:
www.bigeasymodelingsolutions.com
Thank you and happy modeling!!!

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PIN/WIRE LAYOUT:

- TXO [GRAY]: Siren 1 (alternates with adjacent pin in sync like a police siren or railroad crossing)
- RX1 [GRAY]: Siren 2 (alternates with adjacent pin in sync like a police siren or railroad crossing)
- 2 [ORANGE]: Double Strobe (Medium fast)
- 3 [PURPLE]: Very Fast Pulsing (Like an engine flicker)
- 4 [ORANGE]: Double Strobe (Fast)
- 5 [PURPLE]: Medium Pulse (Slow alien breathing/heart or UFO, etc.)
- 6 [PURPLE]: Slow Pulse (Fades in and out slowly)
- 7 [GRAY]: Two Blinks for every One of Pin 8
- 8 [GRAY]: One Blink for every Two of Pin 7
- 9 [BROWN]: Very Fast Blink Rate (like a laser on rapid fire)
- 10 [PURPLE]: Very Slow Pulse (fades in and out very slowly)
- 11 [PURPLE]: Fast Pulse (fades in and out quickly)
- 12 [BROWN]: Slow Blink (Like Classic TOS Enterprise Navigation Lights)
- 13 [BROWN]: Quick Single Strobe
- A0 [GRAY]: Alternating pattern with Pin 15 (Train Crossing, etc)
- A1 [GRAY]: Alternating pattern with Pin 14 (Train Crossing, etc)
- A2 [ORANGE]: Fast Double Strobe
- A3 [ORANGE]: Reverse Double Strobe (Two quick off blinks)

*Board includes a 5 year limited repair or replacement warranty for damage caused by manufacturer failure. Damage to board determined to be caused by customer miswiring may not be covered. All other LED's, resistors, wires, and external model kits or components not included with this lighting kit are not covered under warranty.