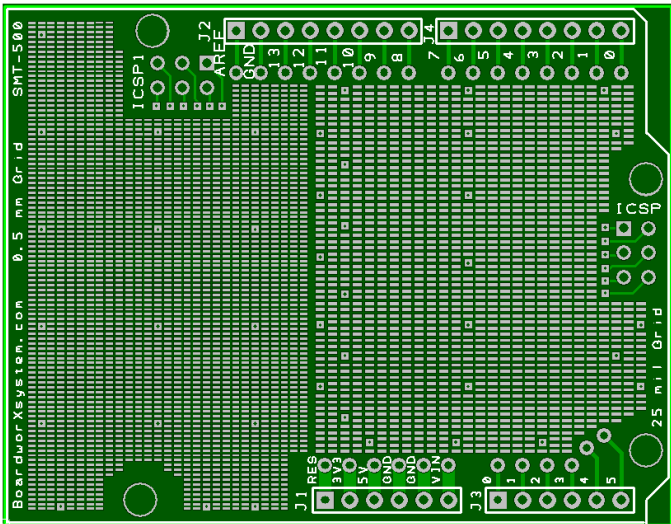## Information

Features:

- Shield mates to:
- Uno
- Duemilanove
- Ethernet
- BT
- Pro
- Fine pitches accommodated down to 0.5 mm
- Two grid spacing's to accommodate a larger number of parts more easily. (2 grid areas on both sides of the board (0.5 mm and 25 mils)
- Convenience features like additional through holes for easy routing.
- Prototyping on top or bottom of board

Item Number:
SMT-500

SMT-500 Uno Series Shield for Arduino

Description:

The SMT-500 Arduino Uno Series shield board extends the BoardworX prototyping concept into he Arduino world! Now you can prototype using your favorite Arduino board and add any components you like, SMT or through hole, to create powerful designs quickly and easily. The SMT-500 mates to all of the standard size Arduino boards by simply populating the appropriately sized headers in the mating through holes for the Arduino board you are using. Each header pin has a through hole pad for convenient access to the header pin when populated, from either side of the board. The Programming headers are replicated as well for more flexibility. The SMT-500 boards can be easily stacked by using connectors with long tails in place of headers so that the connection passes through the board, and a second shield can be mated on top of the SMT-500 board. Through holes have also been sprinkled around the prototyping areas to allow more convenient routing of denser circuits. The 500 provides an SMT grid with both standard BoardworX pitches on each side of the board creating more flexibility and ease of part placement. Additional connections to off board circuits are easily created by using standard surface mount headers or connectors on the 500 board. The board is standard FR-4 with lead free or leaded solder capability. It accommodates all of the components that all BoardworX products support.

Summary and Specs

Product Summary:

The SMT-500 is designed to mate to the Uno series of Arduino boards for fast prototype development.

Specifications:

Dimensions:
2.7" X 2.1"

Grid Top:
0.5 mm / 25 mil

Grid Bottom:
0.5mm / 25 mil

Material:
FR-4

Finish:
Lead Free Solder / Solder Mask

Pad Shape:
Rectangular

Certification:
IPC Class 2