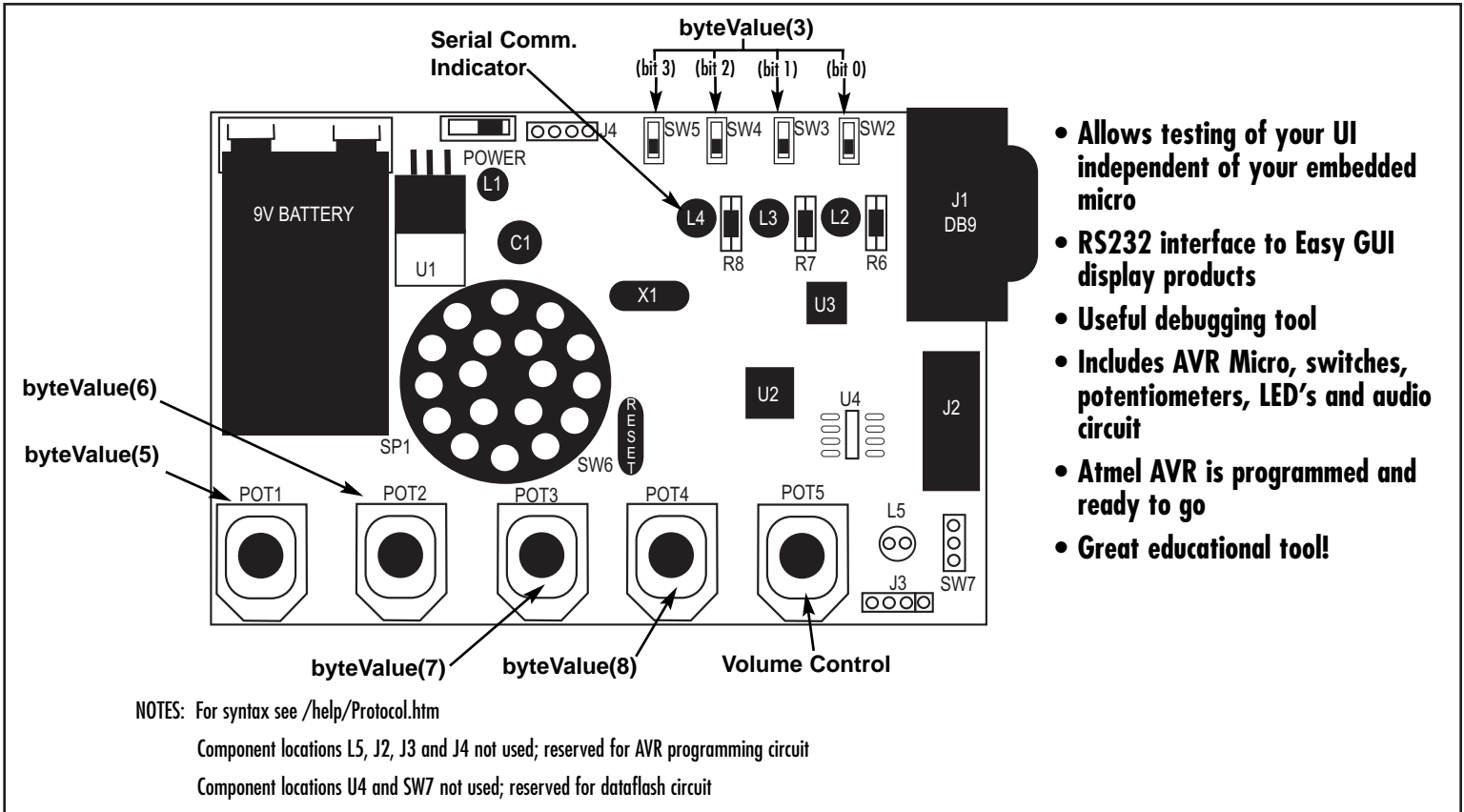


Amulet Easy GUI™ I/O Simulator Board (part number IO3001)

For Rapidly Evaluating and Testing Your Easy GUI™ Graphical User Interface (GUI) Designs



- Allows testing of your UI independent of your embedded micro
- RS232 interface to Easy GUI display products
- Useful debugging tool
- Includes AVR Micro, switches, potentiometers, LED's and audio circuit
- Atmel AVR is programmed and ready to go
- Great educational tool!

The I/O Simulator Board can be used to simulate the interaction between your Amulet GUI and your embedded microprocessor. The potentiometers and slide switches on the board can interact with the following Amulet View Widgets:

- Bargraph
- Image Bar
- Image Sequence
- Line Plot
- Numeric Field
- String Field

The LED's and the speaker on the board can respond to the following Amulet Control Widgets:

- Function Button
- Checkbox
- Radio Button
- List

| Amulet Function Definitions (numbers are decimal) | | | |
|--|-----------------------|------------------|-----------------------|
| funcTable | InvokeRPC (xx) | funcTable | InvokeRPC (xx) |
| led20ff | 00 | PlayD | 13 |
| led20n | 01 | PlayDSharp | 14 |
| led30ff | 02 | PlayE | 15 |
| led30n | 03 | PlayF | 16 |
| playAllNotes | 06 | PlayFSharp | 17 |
| PlayPot | 07 (note 1) | PlayG | 18 |
| setTone | 08 | PlayGSharp | 19 |
| setDuration | 09 (note 2) | PlayA | 20 |
| PlayTone | 10 | PlayASharp | 21 |
| PlayLoC | 11 | PlayB | 22 |
| PlayCSharp | 12 | PlayHiC | 23 |

NOTES: 1 = Reads pot 1 to play a note.
 2 = Pot 2 read for duration; adjustable from 0 - 2.55 seconds
 See line drawing above for component byte values.



Amulet Technologies
 GUI Engines For Embedded Systems
www.AmuletTechnologies.com
 (408) 244-0363