



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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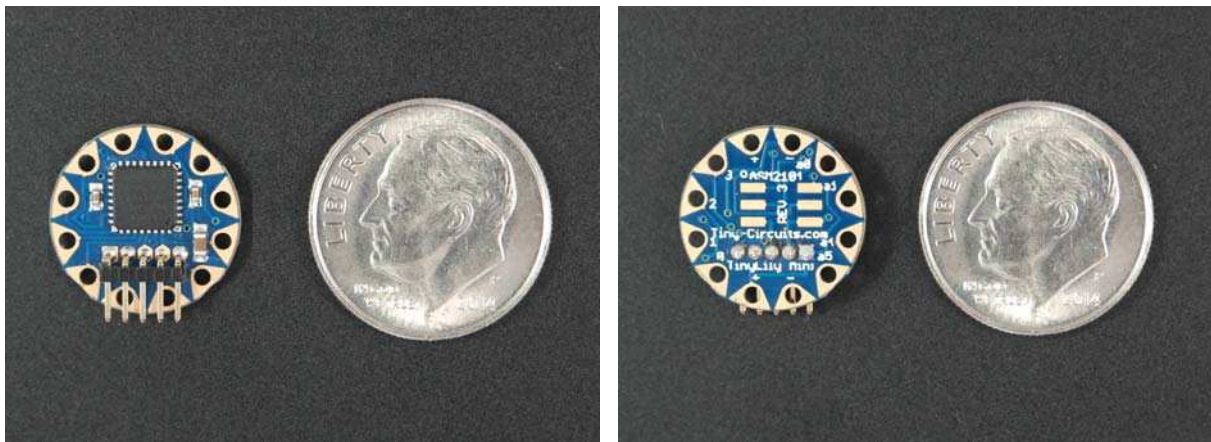
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TINYLILY MINI PROCESSOR

ASM2101



DESCRIPTION

The TinyCircuits TinyLily Mini is an Arduino compatible module in an ultra compact package. Designed to be used in e-textile and wearable applications, the TinyLily Mini is very similar to the Arduino LilyPad with the same processing power and Arduino software compatibility – but at 1/12th the size!

- **Arduino and LilyPad Compatible**
- **Atmel Atmega328P processor (same as is used on the Arduino Uno and LilyPad)**
- **Washable**
- **Sewtabs for 8 I/O (4 Digital, 4 Analog / Digital) and 4 Power Sewtabs (2 for power, 2 for ground)**

Note: To program this board, you need to use the **TinyLily Mini USB Board**, which is sold separately.

TECHNICAL DETAILS

- Arduino and LilyPad Compatible
- Washable
- Robust Gold Finish – makes soldering easy and is non-corrosive
- Sewtabs for 8 I/O (4 Digital, 4 Analog / Digital) and 4 Power Sewtabs (2 for power, 2 for ground)
- Sewtabs are 1.2mm in diameter, easy to use with standard conductive thread and needles
- Arduino Bootloader preprogrammed (uses approx 0.5 KBytes of Flash Memory)
- USB expansion header (for use with the **TinyLily Mini USB Board**)
- Ultra compact size and weight (smaller than a US Dime!)
 - 14.0mm (0.55 inch) diameter
 - Max Height: 2.8mm (0.11 inches)
 - Ultra-thin 0.61mm (0.024 inches) PCB
 - Weight: .39 grams (.01 ounces)
- Atmel ATmega328P Microcontroller
 - 32KB Flash, 2KB RAM, 1KB EEPROM
 - 1.2mA (typical) @ 3V, 4MHz
 - Clock speed: 8MHz
- 2.7V – 5.5V operating voltage

NOTES

- If you are brand new to the TinyLily, buying a kit is the best way to go since it will have all the parts needed. Check out the kits.
- This board does not include a voltage regulator – do not supply more than +5.5V or you will permanently damage the board and ruin your day.