

# Arduino Uno Shield for Large TFT integration

## IES-SHIELD-UART

### Product Overview

Arduino is the popular open-source electronics prototyping platform based on easy-to-use hardware and software. It's intended for artists, designers, hobbyists, and anyone interested in creating interactive objects or environments and is designed to be as flexible as possible to fit your project's needs.

IES have introduced the IES-SHIELD-UART to interface to their popular range of UART TFT displays.

The UART display kits, utilise on-board processing and memory (128 MB) to store and recall Fonts & Images, as well as execute Basic Character/Draw functions. Commands can be sent from a low power micro; to drive up to a 10.4" - 16 bit, SVGA Display, (65,000 Colour). Resistive touch control is also built into the UART command set.



### Applications :

- Picture Frame
- Control Interface
- Machine Interface
- Weather Station
- Anywhere you want to show information!

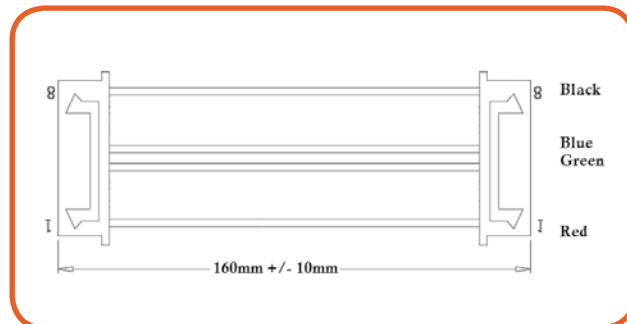
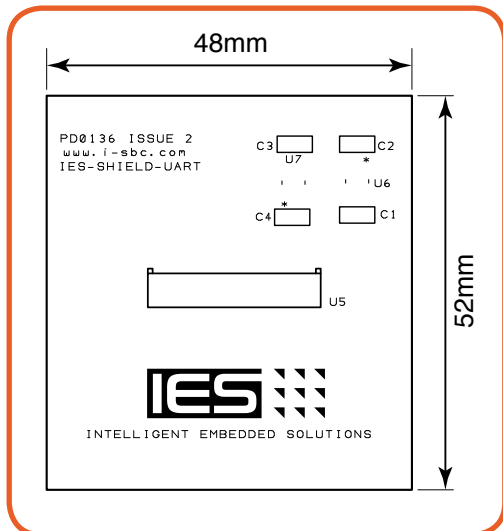
### Features :

- Arduino Uno Shield standard form factor for simple integration into any Arduino project
- Interfaces directly to our family of large UART TFT displays
- RS232 interface for simple connection to Arduino or Raspberry-Pi
- Full software library
- Example code
- Sample project to get started quickly

**Products**

IES PART NUMBER	Size	Resolution	Touch
AM-320240L4TMQW-U0H	3.5"	320x240	N
AM-320240L4TMQW-TU0H-A	3.5"	320x240	Y
AM-480272H3TMQW-U0H	4.3"	480x272	N
AM-480272H3TMQW-TU0H	4.3"	480x272	Y
AM-480272H3TMQW-TU5H	4.3"	480x272	Y
AM-640480G2TNQW-U0H	5.7"	640x480	N
AM-640480G2TNQW-TU0H-A	5.7"	640x480	Y
AM-800480R2TMQW-U0H	7"	800x480	N
AM-800480R2TMQW-TU0H	7"	800x480	Y
AM-800600C4TMQW-U0H	8"	800x600	N
AM-800600C4TMQW-TU0H	8"	800x600	Y
AM-800600LTNQW-TU0H	10.4"	800x600	Y
AM-800600LTNQW-U0H	10.4"	800x600	N

**Technical Drawing**



**WEEE Consumer Notice**

This product is subject to Directive 2002/96/EC of the European Parliament and the Council of the European Union on Waste of Electrical and Electronic Equipment (WEEE) and, in jurisdictions adopting that Directive, is marked as being put on the market after August 13, 2005, and should not be disposed of as unsorted municipal/public waste. Please utilise your local WEEE collection facilities in the disposition and otherwise observe all applicable requirements. For further information on the requirements regarding the disposition of this product in other languages please visit [www.i-sbc.com](http://www.i-sbc.com)

**RoHS Compliance**

This product complies with Directive 2002/95/EC of the European Parliament and the Council of the European Union on the Restriction of Hazardous Substances (RoHS) which prohibits the use of various heavy metals (lead, mercury, cadmium, and hexavalent chromium), polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE).

**For further information please contact IES**

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.