



**4D SYSTEMS**  
*TURNING TECHNOLOGY INTO ART*

## **4D Arduino Adaptor Shield**

### **4Display-Adaptor-Shield**

**DATASHEET**

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## 1. Description

The 4D Arduino Adaptor Shield (4Display-Adaptor-Shield) is a simple Arduino Shield designed to provide a convenient interface to attach 4D Systems display modules to the Arduino platform, without having to use jumper wires on the arduino headers.

The Arduino Adaptor Shield is included in various Arduino Module Packs, but can be purchased separately if a 4D Display Module is not required or is owned already.

Communication to the 4D Systems Display Modules is performed via the Arduinos serial port (RX and TX), and is provided to the user in a simple 5-pin interface, where a 5 way cable (included in the Arduino Module Packs) can be attached between the Shield and the Display Module.

A single digital on the Arduino (D2) is utilised for an external reset for the display.

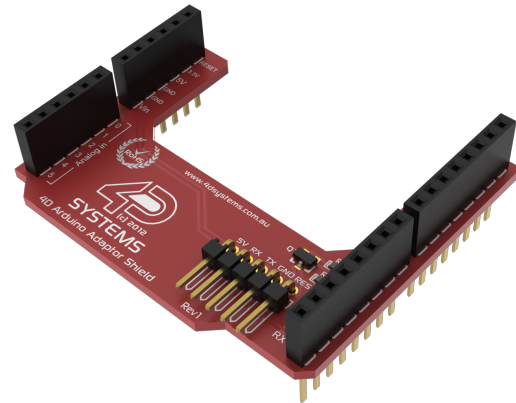
Power for the display is supplied from the Arduino's 5V bus. No external power is required for the Display Module as all power is supplied from the Arduino, via the Adaptor Shield.

The 4D Arduino Adaptor Shield is compatible with the following 4D Systems display modules:

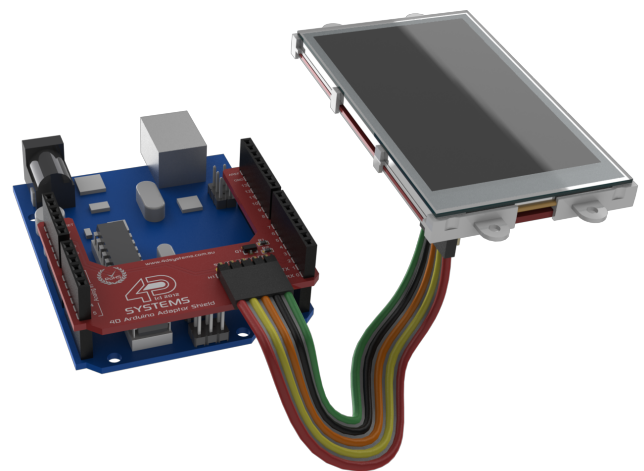
- uLCD-24PT
- uLCD-28PT
- uLCD-32PT
- uOLED-96-G1/G2
- uOLED-128-G1/G2
- uOLED-160-G1/G2
- uLCD-144-G1/G2
- uLCD-43 (All versions)
- uLCD-24-PTU
- uLCD-28-PTU
- uLCD-32-PTU
- uLCD-32W-PTU

While older modules from 4D Systems may be pin compatible, the 4D Arduino Library may not specifically support them.

The 4D Arduino Library is available to download from the 4D Systems website, [www.4dsystems.com.au](http://www.4dsystems.com.au)



**4D Arduino Adaptor Shield**



**Arduino Display Module Pack  
(4D Arduino Adaptor Shield is 1 part of this pack)**

## 2. Specifications and Ratings

### RECOMMENDED OPERATING CONDITIONS

Parameter	Conditions	Min	Typ	Max	Units
Supply Voltage (VCC)		4.5	--	5.5	V
Operating Temperature		-10	--	+70	°C

### ORDERING INFORMATION

**Order Code:** 4Display-Adaptor-Shield

**Package:** 105mm x 65mm x 30mm

**Packaging:** Module sealed in antistatic foam padded 4D Systems Box

### 3. Legal Notice

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### 4. Contact Information

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