DATASHEET

4D SYSTEMS

TURNING TECHNOLOGY INTO ART

4D Raspberry Pi Serial Adaptor

4D-Serial-Pi-Adaptor

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1. Description

The 4D Raspberry Pi Serial Adaptor (4D-Serial-Pi-Adaptor) is a simple Raspberry Pi adaptor designed to provide a convenient interface to attach 4D Systems display modules to the Raspberry Pi platform, without having to use jumper wires on the Raspberry Pi headers.

The 4D Raspberry Pi Serial Adaptor is included in various Raspberry Pi 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 Raspberry Pi's 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 Raspberry Pi Module Packs) can be attached between the adaptor and the Display Module.

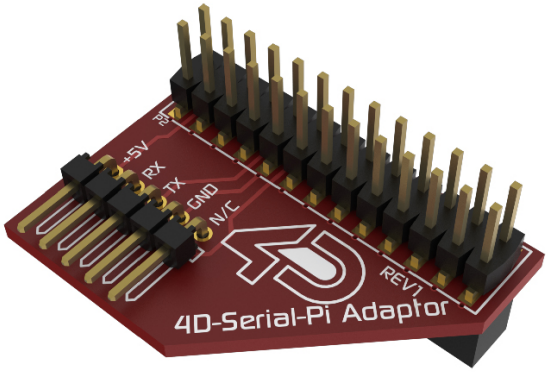
Power for the display is supplied from the Raspberry Pi's 5V bus. No external power is required for the Display Module as all power is supplied from the Raspberry Pi, via the Adaptor.

The 4D Raspberry Pi Serial Adaptor is compatible with the following 4D Systems display modules:

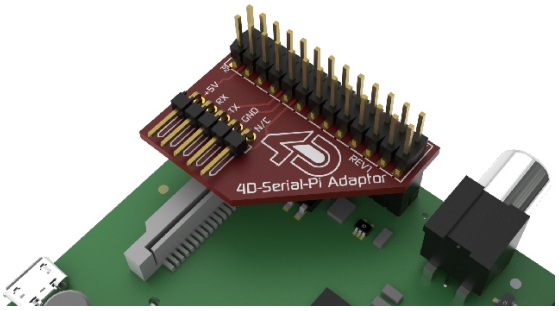
- uLCD-24PT
- uLCD-28PT
- uLCD-32PT
- uOLED-96-G1/G2
- uOLED-128-G1/G2
- uOLED-160-G1/G2
- uLCD-144-G1/G2
- uLCD-43 (All versions)
- uLCD-24-PTU
- uLCD-28-PTU
- uLCD-32-PTU
- uLCD-32W-PTU

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

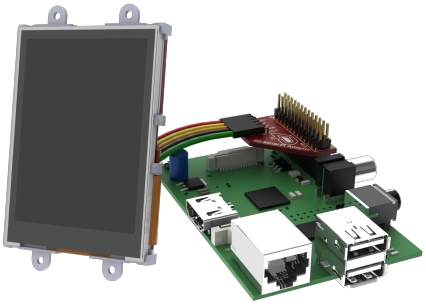
The 4D Raspberry Pi Library is available to download from the 4D Systems website, www.4dsystems.com.au



4D Raspberry Pi Serial Adaptor



4D Raspberry Pi Serial Adaptor attached to a Raspberry Pi



4D Raspberry Pi Display Module Pack
(4D Raspberry Pi Serial Adaptor 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
UART Voltage	Raspberry Pi is 3.3V only 4D System modules are 5V tolerant		3.3		V

ORDERING INFORMATION
Order Code: 4D-Serial-Pi-Adaptor
Package: 65mm x 50mm x 30mm
Packaging: Module sealed in antistatic foam padded 4D Systems Box

4D Raspberry Pi Serial Adaptor

3. Legal Notice

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4. Contact Information

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