USA 2-PIN PLUG-IN POWER SUPPLY 5.1VDC 15.3WATT

T7731DV

Features:

- USA Fixed AC Head
- 1 Year Warranty
- Level VI Efficiency
- CE Approved

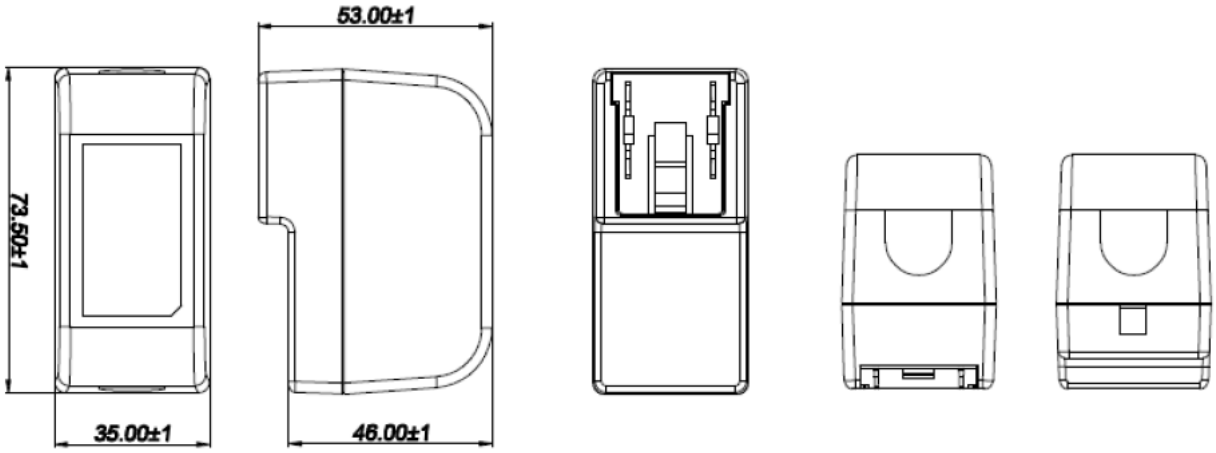
Description:

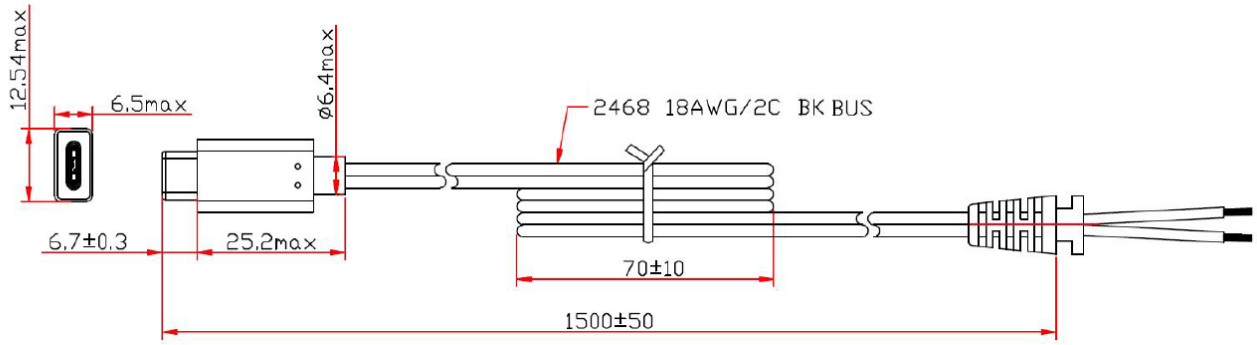
The Stontronics Range of Class II 15.3 Watt AC/DC USA plug-in power supplies provide 15.3 Watts of continuous power in a compact fixed wall plug enclosure suitable for use in many general power applications.

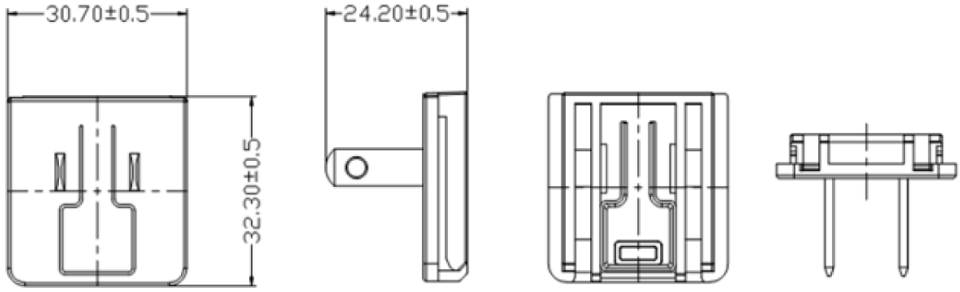
Specification	
Part Number	T7731DV
Input Voltage Range	90-264Vac
Input Frequency Range	47-63Hz
Input Current Rated	0.6A Max
Output Voltage Rating	+5.1V
Output Current Range	3A
Output Min Current	0A
Output Connector	USB Type C
Total Output Regulation	+/- 5%
Line and Load Regulation	+/- 2%
Ripple & Noise	240mVp-p
Efficiency	81.97% Min
Over Voltage Protection	10VDC maximum
Over Current Protection	5 A maximum with auto-recovery function
Short Circuit Protection	The adapter shall not be damaged by short the DC output to Ground
Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +60°C
Operating Humidity	20% to 85%
Storage Humidity	5% to 95%
Hi-Pot	3000Vac 10mA 1min
Safety Standard	UL/CUL(UL 62368-1)
EMI Standard	FCC(PART 15 CLASS B), CE(EN55032)
MTBF	50K Hours
Size mm max.	74.5(L) x 36(W) x 54(H)
Weight	115g± 15% US PIN: 7.5g± 1g
Regulator Type	Switched Mode Power Supply

TT Electronics | Stontronics Ltd
Chancerygate Business Centre, Cradock Road, Reading RG2 0AH, UK
t: +44 (0) 118 931 1199

Diagrams







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Micro HDMI Cable for Raspberry Pi

T7689AX; T7690AX

Features:

- Nickel Plated Plugs
- RoHS Compliant
- EMI level: 0
- Withstanding Voltage 300VDC 0.1 Sec.
- Insulation Resistance 3M ohm 300VDC

Description:

Micro HDMI cable for the Raspberry Pi has been engineered to maximise the performance and functionality of your Raspberry Pi 3. (Backward compatible with all previous generations of Raspberry Pi).

Triple layer shielding allows you to get the best performance from your Wi-Fi and Bluetooth connectivity with your Raspberry Pi 3.

Different cable options to suit your project - Choose between 1M & 2M cable lengths in White colour. Meets the very latest HDMI Version 2.0 standards.

Part Number	Colour	Length
T7689AX	White	1M
T7690AX	White	2M

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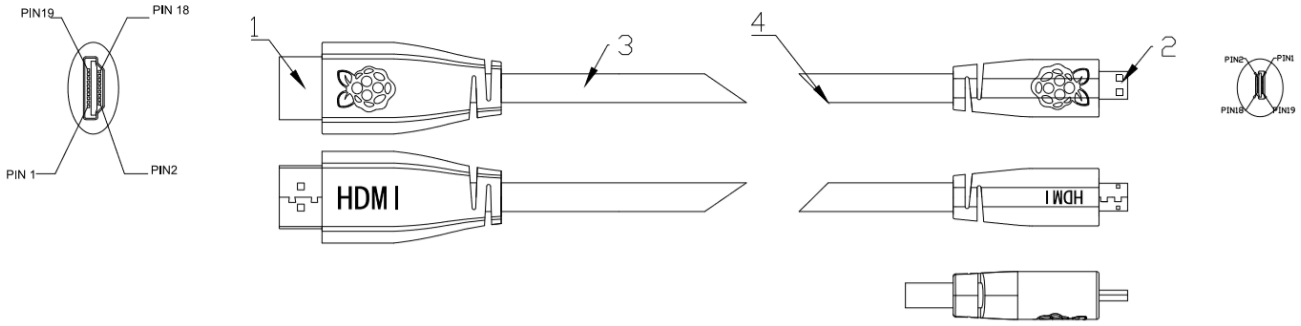
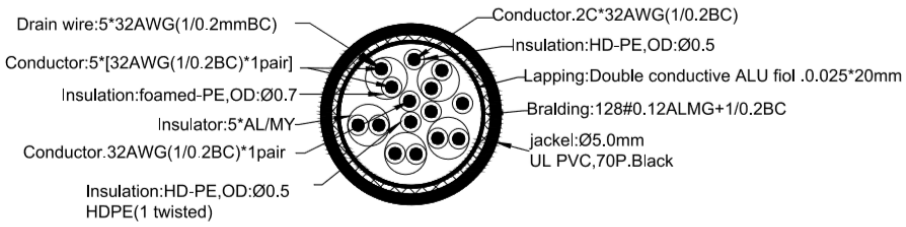
T7689AX; T7690AX

Diagrams





5P+4C(32AWG)
2.0 Version

Type A PIN	Signal Assignment	Type A PIN
1 Blue		Blue 1
2 ground		ground 2
3 white		white 3
4 Blue		Blue 4
5 ground		ground 5
6 white		white 6
7 Blue		Blue 7
8 ground		ground 8
9 white		white 9
10 Blue		Blue 10
11 ground		ground 11
12 white		white 12
14 Blue		Blue 14
17 ground		ground 17
19 white		white 19
15 Yellow		Yellow 15
16 Oreger		Oreger 16
13 white		white 13
18 red		red 18
SHELL		SHELL

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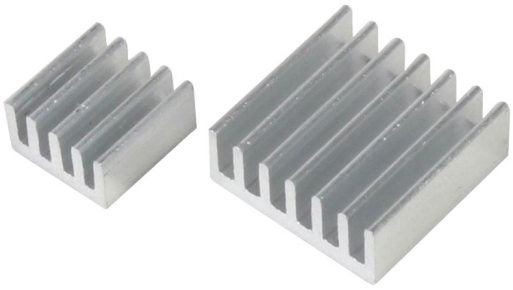
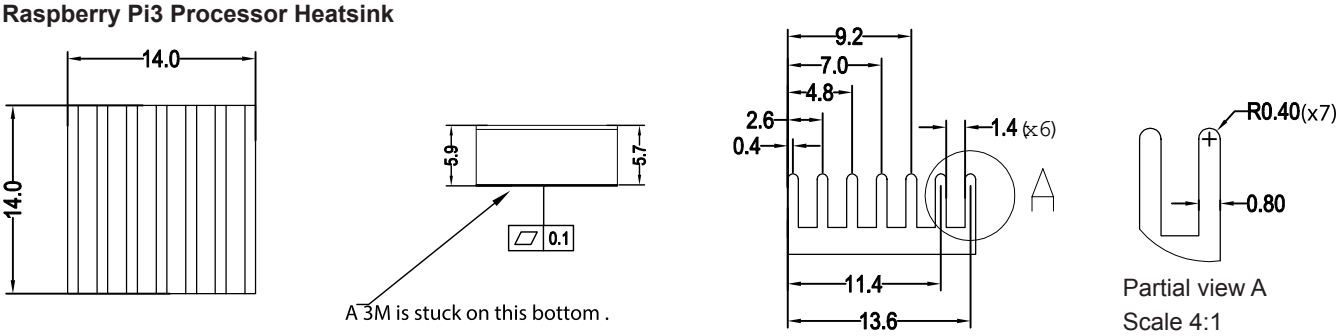
Raspberry 3 Heatsink Kit

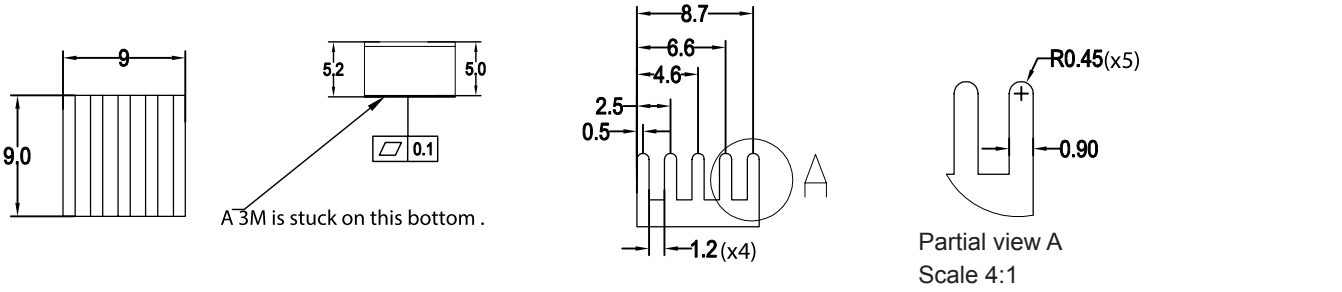


Diagram

Raspberry Pi3 Processor Heatsink



Raspberry Pi3 Ethernet Controller Heatsink

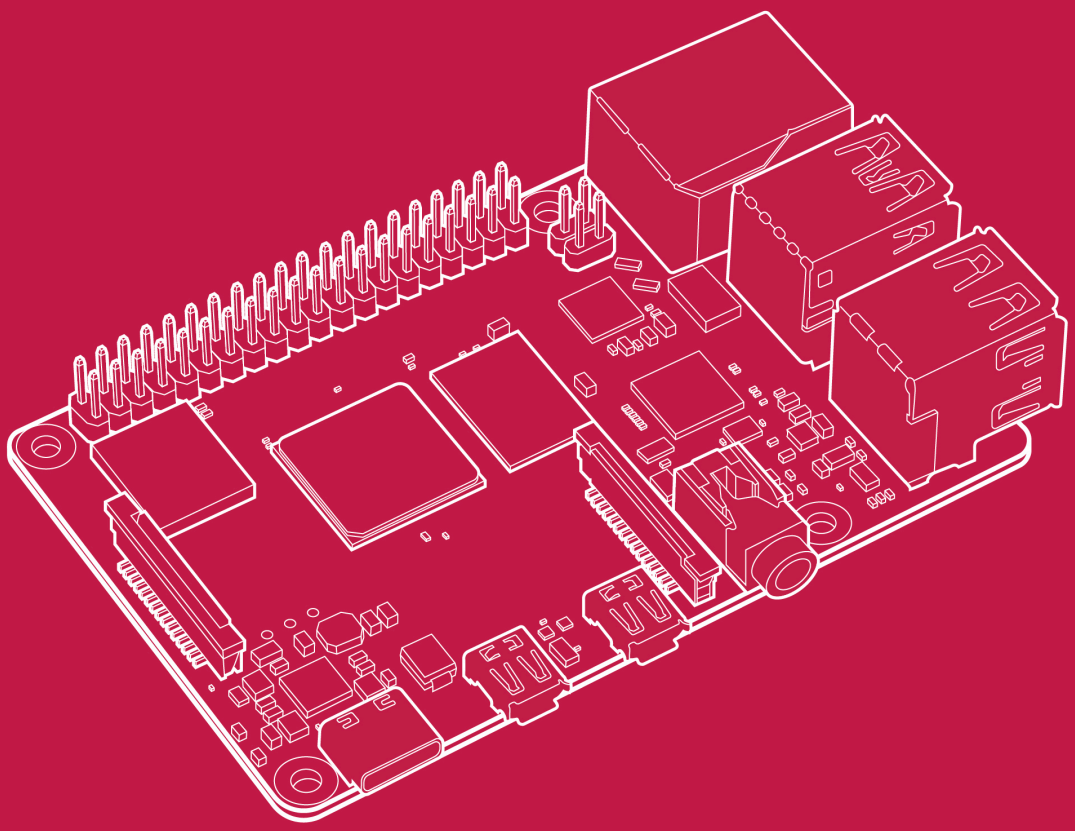


Dimensions : Millimetres
Tolerance is ±0.2mm

Part Number Table

Description	Part Number
Raspberry Pi 3 Heatsink Kit	83-17617

Raspberry Pi 4 Computer
Model B



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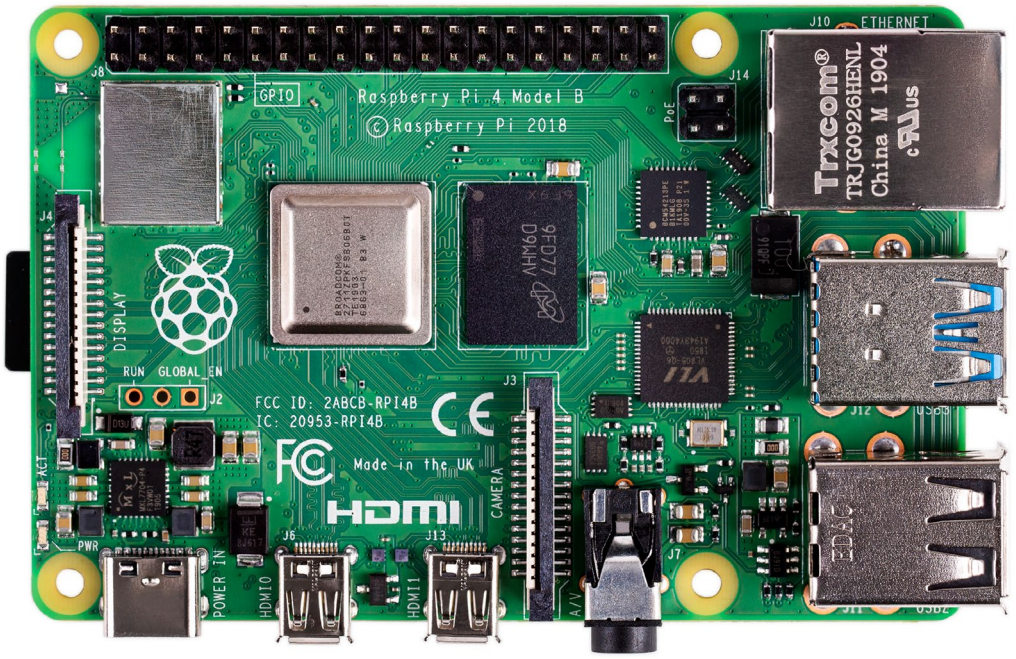
www.raspberrypi.org

Raspberry Pi

Overview



Raspberry Pi 4 Model B is the latest product in the popular Raspberry Pi range of computers. It offers ground-breaking increases in processor speed, multimedia performance, memory, and connectivity compared to the prior-generation Raspberry Pi 3 Model B+, while retaining backwards compatibility and similar power consumption. For the end user, Raspberry Pi 4 Model B provides desktop performance comparable to entry-level x86 PC systems.

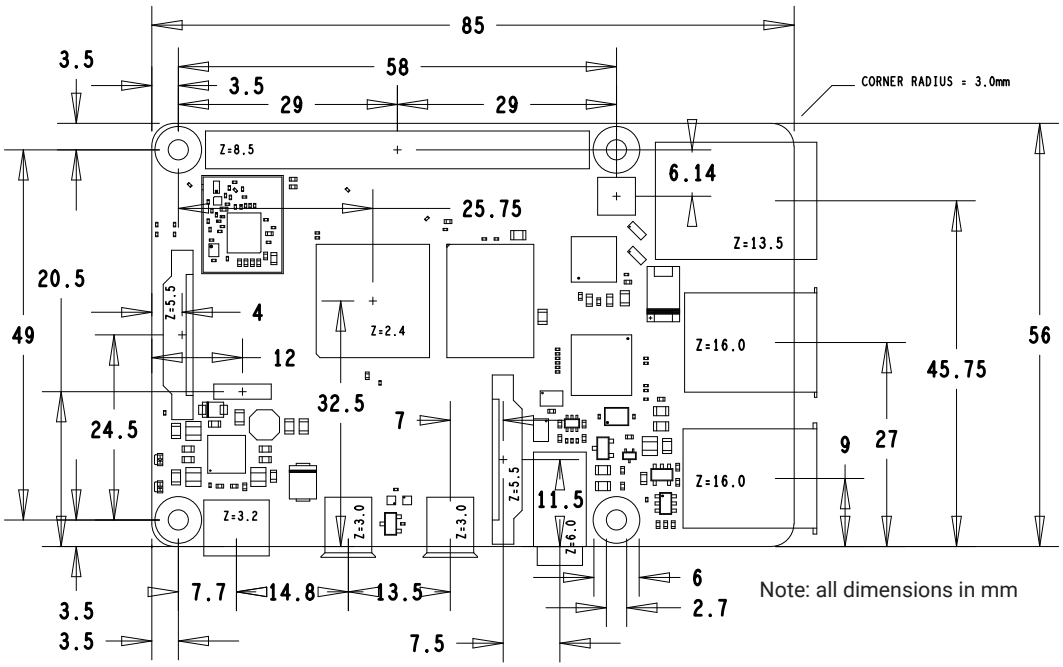
This product's key features include a high-performance 64-bit quad-core processor, dual-display support at resolutions up to 4K via a pair of micro-HDMI ports, hardware video decode at up to 4Kp60, up to 4GB of RAM, dual-band 2.4/5.0 GHz wireless LAN, Bluetooth 5.0, Gigabit Ethernet, USB 3.0, and PoE capability (via a separate PoE HAT add-on).

The dual-band wireless LAN and Bluetooth have modular compliance certification, allowing the board to be designed into end products with significantly reduced compliance testing, improving both cost and time to market.

Specification

Processor:	Broadcom BCM2711, quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
Memory:	1GB, 2GB or 4GB LPDDR4-2400 SDRAM (depending on model)
Connectivity:	2.4 GHz and 5.0 GHz IEEE 802.11b/g/n/ac wireless LAN, Bluetooth 5.0, BLE Gigabit Ethernet 2 × USB 3.0 ports 2 × USB 2.0 ports.
GPIO:	Standard 40-pin GPIO header (fully backwards-compatible with previous boards)
Video & sound:	2 × micro HDMI ports (up to 4Kp60 supported) 2-lane MIPI DSI display port 2-lane MIPI CSI camera port 4-pole stereo audio and composite video port
Multimedia:	H.265 (4Kp60 decode); H.264 (1080p60 decode, 1080p30 encode); OpenGL ES, 3.0 graphics
SD card support:	Micro SD card slot for loading operating system and data storage
Input power:	5V DC via USB-C connector (minimum 3A[1]) 5V DC via GPIO header (minimum 3A[1]) Power over Ethernet (PoE)–enabled (requires separate PoE HAT)
Environment:	Operating temperature 0–50°C
Compliance:	For a full list of local and regional product approvals, please visit https://www.raspberrypi.org/documentation/hardware/raspberrypi/conformity.md
Production lifetime:	The Raspberry Pi 4 Model B will remain in production until at least January 2026.

Physical Specifications



Note: all dimensions in mm

WARNINGS

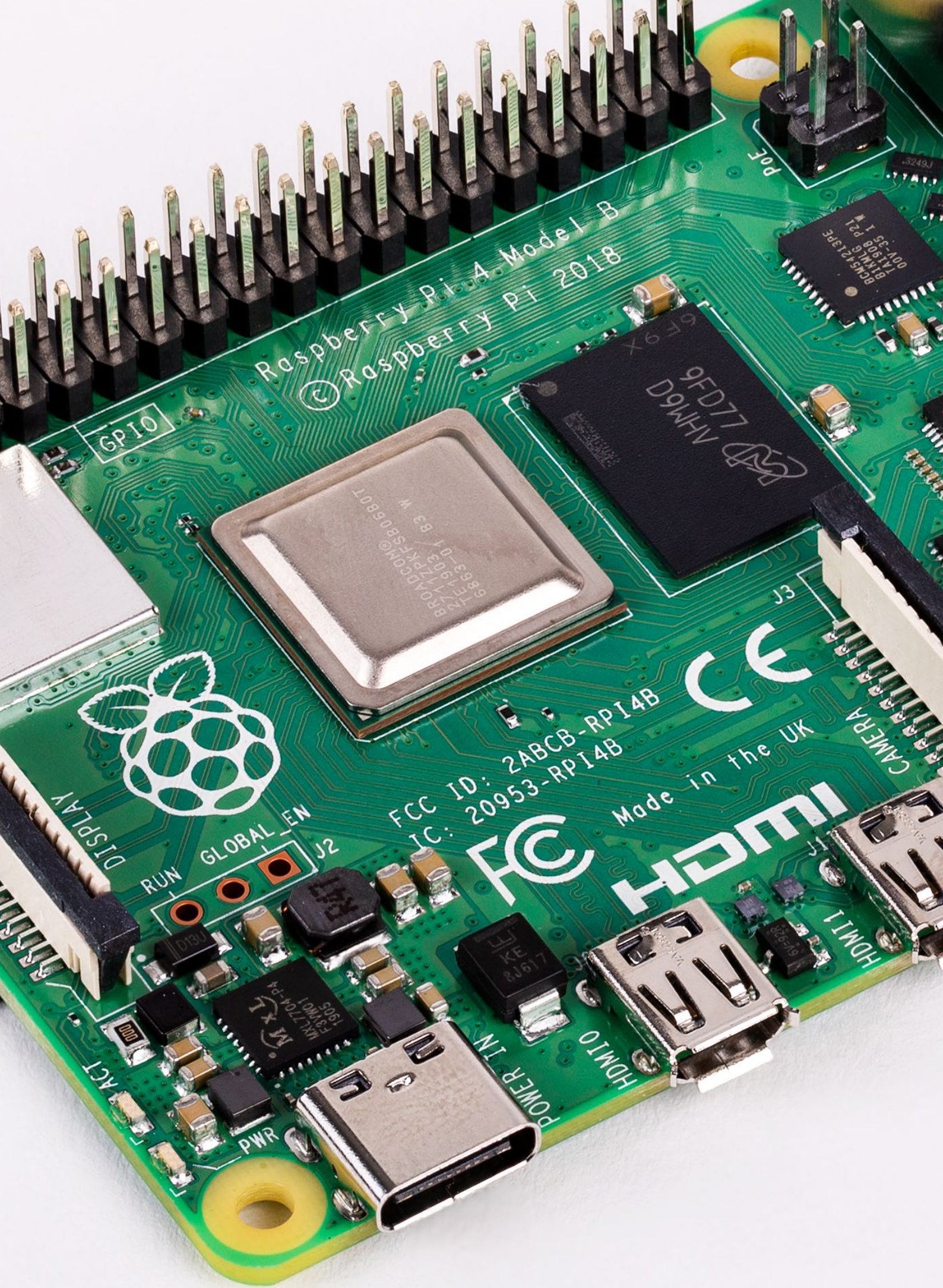
- This product should only be connected to an external power supply rated at 5V/3A DC or 5.1V/ 3A DC minimum[1]. Any external power supply used with the Raspberry Pi 4 Model B shall comply with relevant regulations and standards applicable in the country of intended use.
- This product should be operated in a well-ventilated environment and, if used inside a case, the case should not be covered.
- This product should be placed on a stable, flat, non-conductive surface in use and should not be contacted by conductive items.
- The connection of incompatible devices to the GPIO connection may affect compliance and result in damage to the unit and invalidate the warranty.
- All peripherals used with this product should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met. These articles include but are not limited to keyboards, monitors and mice when used in conjunction with the Raspberry Pi.
- Where peripherals are connected that do not include the cable or connector, the cable or connector must offer adequate insulation and operation in order that the relevant performance and safety requirements are met.

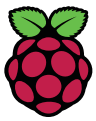
SAFETY INSTRUCTIONS

To avoid malfunction or damage to this product please observe the following:

- Do not expose to water, moisture or place on a conductive surface whilst in operation.
- Do not expose it to heat from any source; Raspberry Pi 4 Model B is designed for reliable operation at normal ambient room temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- Avoid handling the printed circuit board whilst it is powered and only handle by the edges to minimise the risk of electrostatic discharge damage.

[1] A good quality 2.5A power supply can be used if downstream USB peripherals consume less than 500mA in total.


Raspberry Pi 4 Model B
©Raspberry Pi 2018
GPIO
PoE
9FD77
D9WHV
FCC ID: 2ABCB-RPI4B
IC: 20953-RPI4B
Made in the UK
DISPLAY
CAMERA
RUN
GLOBAL_EN
J2
J3
J1
HDMI1
HDMI0
POWER IN
ACT
PWR



Raspberry Pi