

HANSON ELECTRONICS

**Catalogue of Christmas Light Dimmers, Pixel Controllers,
Components and other associated hardware**

**Prices and board designs subject to change without notice
All prices are in Australian dollars and include 10% GST.**

GST is not applicable outside Australia

See website for bulk discount pricing

Dimensions and user manuals are available on website where applicable.

Revision 12

19-March-2024

<http://www.hansonelectronics.com.au>

<https://www.facebook.com/HansonElectronicsAustralia/>

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Pixel, panel and dmx control boards

rPi-28D+

\$38.00 inc. GST

2811,2801 and DMX cape for Raspberry Pi

- 2 WS281x pixel outputs
- 1 WS2801 pixel output. Can be repurposed to 2 further WS281x outputs
- 1 non-isolated DMX outputs
- Runs under Falcon Player (FPP)
- Can power cape and Raspberry Pi from 5V or 12V input
- 3 uncommitted fused power inputs for the 3 pixel outputs. 5V and/or 12V pixels can be connected

<http://www.hansonelectronics.com.au/product/rpi-28dplus/>



rPi-MFC

\$44.00 inc. GST

2811, DMX and panel cape for Raspberry Pi

- Oled display for Falcon Player status
- 1 Panel output
- 1 WS2811 output
- 1 DMX output
- Real time clock
- 3 user inputs for triggering scripts

<http://www.hansonelectronics.com.au/product/rpi-mfc/>



Octoscrolla_MK2B

Same function as original Octoscrolla oanel controller but with power and run leds, fuse and power switch jumper.

The octoscrolla is a clone of the original Octoscroller design and is pin compatible (with the exception RTC)

The octoscrolla is designed to plug into a [Beaglebone Black](#) (BBB) or Beaglebone Green (BBG) running [Falcon Player](#) (FPP) to allow you to run up to 64 P10 led pixel panels. Each of the connectors can control up to 8 P10 panels.

Octoscrolla **with** Real Time Clock (RTC) fitted

The real time clock allows standalone scheduled shows without connection to an internet time server.

http://www.hansonelectronics.com.au/product/octoscrollamk2b_with-rtc/ \$33.00 inc. GST



Same as the RTC version but with shorter header pins and no clock module under the P10 connectors.

http://www.hansonelectronics.com.au/product/octoscrolla_mk2b/ \$29.00 inc. GST (also available as kit)

Octoscrolla_bare pcb

\$3.10 inc. GST

Blank octoscrolla pcb ready to be loaded. This is the original Octoscrolla design without the status leds, fuse and power switch input that the Mk2B has.

http://www.hansonelectronics.com.au/product/octoscrolla_bare_pcb/

rPi-P10

\$26.00 inc. GST

HUB75 PI cape for Raspberry Pi

- Supports up to three P10 (hub75) panel chains for Raspberry Pi 2, Pi3 and Pi Zero that have 40 GPIO pins.
- Has 75HC245 to level shift signals from Raspberry Pi 3.3V logic
- Connector to power the Pi with 5V
- 3x 16pin IDC (2×8) male shrouded headers to connect the panels.
- 1x 40pin female connector to connect to the Raspberry Pi running FPP

<http://www.hansonelectronics.com.au/product/rPi-P10/>



HC3-4 LED Matrix Card with wifi

\$25.00 inc. GST

Chinese made standalone panel controller for P5, P10 etc panels. USB or wifi (Android) display updates.

https://www.hansonelectronics.com.au/product/hc3-4_matrix_card/



HE123 Beaglebone Green/Black pixel controller

The HE123 is a pixel board based on the single board computer BeagleBone Green or Black (BBG or BBB).

HE123 Mk2 motherboard

\$120 inc GST

Beaglebone Green/Black 16/48 output WS281x pixel controller
-16 fused pixel outputs with 4 outputs per power input

-2 expansion headers of 16 each

-inbuilt real time clock

-connects to HE123RJ, HE123TX/TXI, HE123PX/PXI

<http://www.hansonelectronics.com.au/product/he123mk2/>



HE123D motherboard

\$140 inc GST

Beaglebone Green/Black 48 output differential WS281x pixel controller

-48 outputs in 12 groups of 4 RJ45

-Oled status display

-inbuilt real time clock

-connects to HE123RX2 (Can also be used with Falcon smart remotes)

<http://www.hansonelectronics.com.au/product/he123mk2/>



Daughterboards

HE123-PX2 powered pixel expansion daughterboard

-16 outputs. 4 power inputs. 4 fuses per output

-plugs on top of HE-123 to give an additional 16 fused 2811 outputs

\$33 inc GST

<http://www.hansonelectronics.com.au/product/he123-px2/>

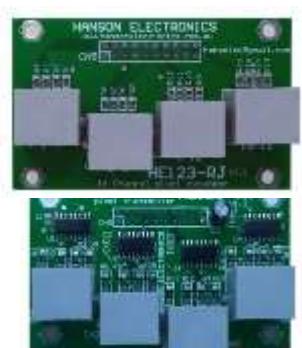


HE123-RJ pixel breakout daughterboard

-16 outputs. no electronics. pixel outputs match standard RJ45 pairs

-mates with 4 HE123EX

\$15 inc GST <http://www.hansonelectronics.com.au/product/he123-rj/>



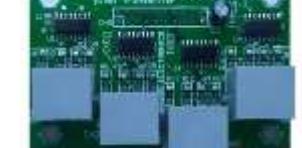
HE123-TX pixel differential expansion daughterboard \$22 inc GST

-16 RS422 balanced pair outputs for long range tx

-16 outputs. pixel outputs on standard RJ45 pairs

-mates with 4 HE123RX

<http://www.hansonelectronics.com.au/product/he123-tx/>



HE123-TXI pixel differential expansion daughterboard \$24 inc GST

Identical to the HE123-TX with the exception that it connects to the HE123 via ribbon cable rather than plugging directly on top.

<http://www.hansonelectronics.com.au/product/he123-txi/>

Receivers

HE123-EX2 4 channel pixel power breakout

\$16 inc GST

-RJ45 connector to 4 channels fused pixel outputs

-mates with HE123RJ

-can be used for as a breakout to power unfused pixel outputs on unfused pixel boards



<http://www.hansonelectronics.com.au/product/he123-ex2/>

HE123-RX2 4 channel differential RS422 to pixel receiver \$22 inc GST

- RJ45 connector to 4 channels powered, buffered pixel outputs
- mates with HE123-TX, HE123D, HE123-4T or Falcon F48 etc.



Standalone differential transmitter

HE123-4T 4 channel pixel to 4 RS422 differential

\$22 inc GST

- balanced pair outputs for long range transmission
- connects to any 2811 pixel board to allow long range transmission.
- mates with 1 HE123-RX, PSDIFF4, PSDIFF8



<http://www.hansonelectronics.com.au/product/he123-4t/>

See also the upcoming boards section for differential receivers.

DRAFT

DMX Dimmer boards

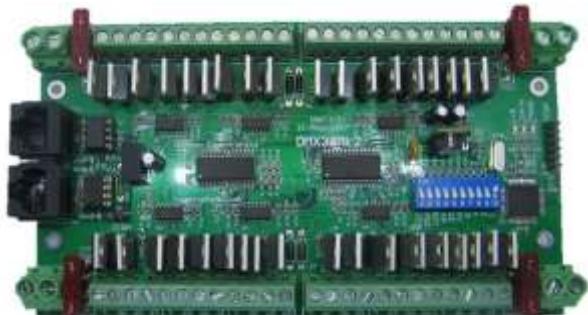
DMX36 Mk2

36 Channel DC dimmer

Same specifications as DMX36 but with dipswitch programmable start address

\$155.00 inc. GST

<http://www.hansonelectronics.com.au/product/dmx36mk2/>



DMX18

18 Channel DC dimmer

2 x RJ45 DMX connectors wired to ESTA standard configuration

2 fused power zones

5V-40V power input

30A per zone

5A maximum per output

Switchable test mode

Software programmable start address

\$90.00 inc. GST

<http://www.hansonelectronics.com.au/product/dmx18/>



DMX2-24

24 Channel DC dimmer for 2 wire/2 channel strings

2 x RJ45 DMX connectors wired to ESTA standard configuration

1 fused zone

20V-40V power input

15A maximum

2A maximum per output

Switchable test mode

Switchable 12 channel mode to allow both channels of a string to be dimmed at the same rate

Dipswitch programmable start address

\$125.00 inc. GST

<http://www.hansonelectronics.com.au/product/dmx2-24/>

(see also 2811DC2-30 for WS2811 input to 30 channel 2 wire 2 channel)



DMX2-24 ready to run

\$250.00 inc. GST

DMX2-24 and a 31V 200W power supply in a waterproof box with numbered pigtailed and waterproof DMX connectors.

<https://www.hansonelectronics.com.au/product/dmx2-24rtr/>



Pixel-DC Dimmer boards

Designed for connecting dumb DC elements into a pixel network

2811DC15 Dimmer

\$46.00 inc. GST

The 2811DC15 (and 2811DC30) controllers accept 2811 pixel data input and drives 15 DC channels. -Appears as 5 pixels in a pixel network when driven by a pixel controller. In lighting software can be configured as pixels, single colour or RGB elements.

<http://www.hansonelectronics.com.au/product/2811dc15/>



2811DC30 Dimmer

\$69.00 inc. GST

The 2811DC30 (and 2811DC15) controllers accept 2811 pixel data input and drives 30 DC channels. -Appears as 10 pixels in a pixel network when driven by a pixel controller. In lighting software can be configured as pixels, single colour or RGB elements.

<http://www.hansonelectronics.com.au/product/2811dc30/>

Note: pluggable connectors for pixels not shown in photo but are supplied

2801DC15 Dimmer

\$49.00 inc. GST

2801DC30 Dimmer

\$73.00 inc. GST

The 2801DC15 (and 2801DC30) controllers accept 2801 pixel data input and drives 15 (30) DC channels. -Appears as 5 (10) pixels in a pixel network when driven by a pixel controller. In lighting software can be configured as pixels, single colour or RGB elements.

<http://www.hansonelectronics.com.au/product/2801dc15/>

<http://www.hansonelectronics.com.au/product/2801dc30/>

Note:- 2811DC board shown. 2801DC has 4 wire pixel data connectors

2811DC2-30 pixel to 2 wire Dimmer

\$120.00 inc GST

The 2811DC2-30 controller accepts 2811 pixel data input and drives 30 DC channels/15 2 wire 2 channel strings. Appears as 10 pixels in a pixel network when driven by a pixel controller. Can control 2 wire 2 channel icicles or fairy lights or similar

<http://www.hansonelectronics.com.au/product/2811dc2-30/>



Power distribution

Power8

\$35.00 inc. GST

8 way power distribution with inbuilt null pixel buffer

2 30A inputs with power indication LEDs

8 15A outputs with fuse blown LEDs

Up to 1000 pixels powered at 100% brightness

<http://www.hansonelectronics.com.au/product/power8/>



Power4

\$20.00 inc. GST

4 way power distribution

30A inputs with power indication LED

4 15A outputs with fuse blown LEDs

Up to 500 pixels powered at 100% brightness

<http://www.hansonelectronics.com.au/product/power4/>



Hexfuse2

\$23.00 inc. GST

6 way fused power breakout pcb. 3 isolated inputs to 3 pairs of 2 fused outputs.
3 x 30A inputs. 6 x 15A outputs
Automotive mini fuseholder for each output
Fuse blown/missing LED for each output
<http://www.hansonelectronics.com.au/product/hexfuse2/>



Hexfuse kit

\$12.00 inc. GST

Kit of components to assemble Hexfuse2 as above.
http://www.hansonelectronics.com.au/product/hexfuse_kit/

P10 fuse

\$22.00 inc. GST

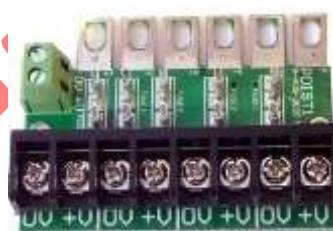
4 way fused power breakout for P10 panels. Designed to mount across rear of a P10 panel
<http://www.hansonelectronics.com.au/product/p10-fuse/>



Psdist1

\$20.00 inc. GST

Power supply direct connect fuse board
4 15A fused outputs
1 10A fuse output
<http://www.hansonelectronics.com.au/product/psdist1/>



Psdist6

\$20.00 inc. GST

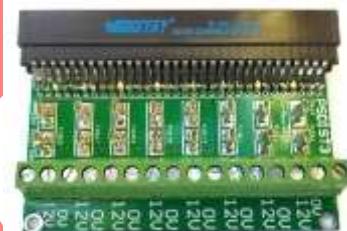
Power supply direct connect fuse board
4 15A fused outputs
1 10A fuse output
<http://www.hansonelectronics.com.au/product/psdist6/>



Psdist2

\$24.00 inc. GST

12V server Power supply edge connect fuse board
8 15A fused outputs. Maximum 100A total
<http://www.hansonelectronics.com.au/product/psdist2/>
Right angled version
<https://www.hansonelectronics.com.au/product/psdist2r/>



Psdist3

\$20.00 inc. GST

12V server power supply edge connect distribution board
5 30A unfused outputs. Maximum 100A total
<http://www.hansonelectronics.com.au/product/psdist3/>
Right angled version
<https://www.hansonelectronics.com.au/product/psdist3r/>



Accessory boards

RJ45-27ch

\$6.00 inc. GST

An adaptor to add 2RJ45 connectors and a termination jumper to the 27 channel HD712 boards commonly known as Ray Wu 27 channel boards.

Shown connected to HD712. It's not supplied.

<http://www.hansonelectronics.com.au/product/rj45-27ch/>



TinyRTC Real time clock module

\$3.00 inc. GST

Tiny RTC using DS1307

It uses a Lithium cell battery (LIR2032). Arduino, Raspberry Pi, Beaglebone Black or other microprocessor environments.

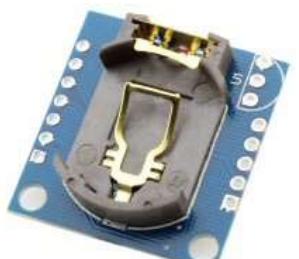
Please note that this module does not include a battery

When connecting to a Pi or BBB R2 and R3 should be removed.

Remove diode as well if using CR2032 battery

Module as used on Octoscrolla with RTC, rPi-MFC, HE123 and rPi-28D.

<http://www.hansonelectronics.com.au/product/tinyrtc/>



Oled-blue

A 128x64 Blue Oled display for Raspberry Pi, Arduino, Pic etc

0.96" I2C display 128x64

<https://www.hansonelectronics.com.au/product/oled-128x64blue/>

\$8.80 inc. GST

DRAFT

Accessories

USB-DMX Dongle

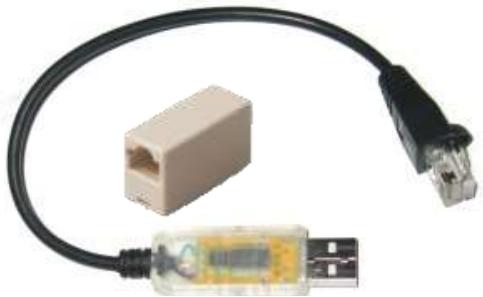
\$28.00 inc. GST

A USB dongle used for controlling 1 universe (512 channels) of DMX. The dongle uses the FTDI chipset and is Open DMX compatible. Non isolated and with ESTA RJ45 pinout.

Dongle ships with an RJ45 joiner.

To use as a LOR dongle a LOR-ESTA adaptor (or crossover) is required.

<http://www.hansonelectronics.com.au/product/usb-dmx-dongle/>



LOR-ESTA_Adaptor

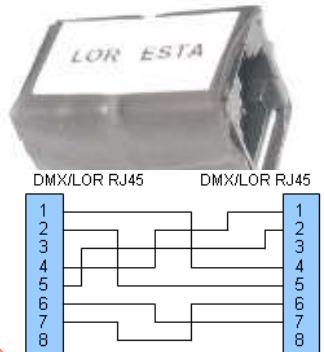
\$6.60 inc. GST

An RJ45 female-female adaptor to allow Light-O-Rama (LOR) lighting controllers to be added into an ESTA wired DMX network. Wired as per the diagram.

The adaptor is used between any ESTA wired device (dongle, dimmer, laser, pan tilt head etc) and a LOR controller. The adaptor is bi-directional.

Black heatshrinked version pictured. Clear heatshrinked version may be supplied.

http://www.hansonelectronics.com.au/product/lor-esta_adaptor/



RJ45-Joiner

\$3.00 inc. GST

RJ45 joiner for extending Cat5 or Cat6.

Straight through. Pin1 to Pin1 through Pin8 to Pin8.

<http://www.hansonelectronics.com.au/product/rj45-joiner/>

USB adaptors

USB U adaptor

\$6.60 inc. GST

<https://www.hansonelectronics.com.au/product/usb-u-adaptor/>



USB right angle (plus cable) adaptor

\$8.80 inc. GST

<https://www.hansonelectronics.com.au/product/usb-extension/>

Plugs, sockets, connectors

3 pin 3.5mm connector (green)

\$0.60 inc. GST

3 pin 3.5mm connector used on 2811DC30, HE123 etc . Pcb mount socket included

<http://www.hansonelectronics.com.au/product/3-pin-3-5mm-greenie-connector/>



4 pin 3.5mm connector (green)

\$0.60 inc. GST

4 pin 3.5mm connector used on 2801DC15, 2801DC30 and rPi-28D. Pcb mount socket included

<http://www.hansonelectronics.com.au/product/4-pin-3-5mm-connector-green/>



5mm 2 way terminal (pk 5)

\$1.10 inc. GST

Cable size: 0.5-2mm²

5mm spacing 2 way pcb mount terminal blocks with high quality moving cage rather than the “bendy flap” type terminals.

<http://www.hansonelectronics.com.au/product/5mm-2-way-terminal-pk-5/>



5mm 3 way terminal (pk 5)

\$1.50 inc. GST

5mm Pitch

Cable size: 0.5-2mm²

<http://www.hansonelectronics.com.au/product/5mm-3-way-terminal-pk-5/>



6.35mm 2 way terminal (pk 5)

\$2.00 inc. GST

6.35mm Pitch

Cable size: 0.5-3.6mm²

6.35mm spacing 2 way pcb mount terminal blocks with high quality moving cage rather than the “bendy flap” type terminals.

<http://www.hansonelectronics.com.au/product/6-35mm-2-way-terminal-pk-5/>



Pixjoiner

\$0.15 inc. GST

Pcb for inline joining of 2 or 3 conductor pixel cables

<http://www.hansonelectronics.com.au/product/pixjoiner/>



Bulkhead RJ45 with cable

\$8.80 inc. GST

Waterproof bulkhead mount RJ45 connector and cable

https://www.hansonelectronics.com.au/product/bulkhead_rj45/



DRAFT

Waterproof pigtails

2 core 13.5mm Waterproof pigtails \$31.00 inc. GST

Pk 25 Black with 20cm wire length

<http://www.hansonelectronics.com.au/product/2-core-waterproof-pigtails-pk-25/>



3 core 13.5mm Waterproof pigtails \$36.00 inc. GST

Pk 25 Black with 20cm wire length

<http://www.hansonelectronics.com.au/product/3-core-waterproof-pigtails-pk-25/>



3 core 13.5mm Waterproof pigtails (flat wire) \$ 1.30 inc. GST

Pair with approx 15cm wire length (black)

<https://www.hansonelectronics.com.au/product/xconnect-flat-wire-pigtail/>



3 core Waterproof pigtails X-connect \$33.00 inc. GST

Pk 25 Black with 20cm wire length

<http://www.hansonelectronics.com.au/product/3-core-waterproof-xconnect-pigtails-pk-25/>



3 core 13.5mm Waterproof X-connect pigtails (flat wire) \$ 1.30 inc. GST

Pair with approx 15cm wire length (black)

<https://www.hansonelectronics.com.au/product/xconnect-flat-wire-pigtail/>



4 core 13.5mm Waterproof pigtails \$42.00 inc. GST

Pk 25 Black with 20cm wire length

<https://www.hansonelectronics.com.au/product/13-5-flat-wire-pigtail-copy/>



O-rings to suit 13.5mm male pigtails

Pk20

<http://www.hansonelectronics.com.au/product/13-5mm-pigtail-oring-pk-20/>



Pigtail caps

Pk 20 13.5mm caps to suit female pigtail

\$3.00 inc. GST

Pk 10 13.5mm caps to suit pigtail

\$2.00 inc. GST

Pk 10 Xconnect caps to suit pigtail

\$3.00 inc. GST

https://www.hansonelectronics.com.au/?s=caps&post_type=product

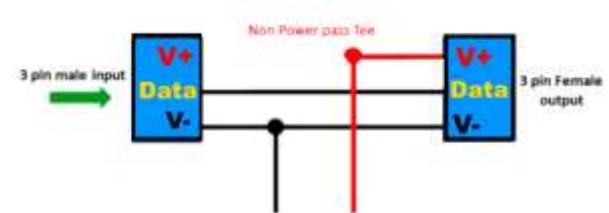
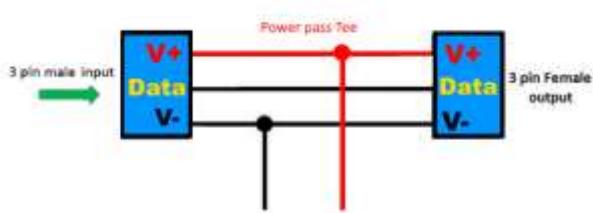


Tees

Power "injection" tees

Xconnect and 13.5mm flat wire pigtails with red and black fly lead

Power pass and power injection varieties



<https://www.hansonelectronics.com.au/product/xconnect-flat-wire-power-pass-tee/>

\$4.40 inc GST

<https://www.hansonelectronics.com.au/product/xconnect-flat-wire-power-injection-tee/>

\$4.40 inc GST

<https://www.hansonelectronics.com.au/product/13-5mm-flat-wire-power-injection-tee/>

\$4.40 inc GST

<https://www.hansonelectronics.com.au/product/13-5mm-flat-tee/>

\$4.40 inc GST

3m fairy light extension cable \$5.50 inc GST

Suits 2 wire 2 channel lights

<http://www.hansonelectronics.com.au/product/3m-fairy-light-extension/>



10m fairy light extension cable \$10.00 inc GST

Suits 2 wire 2 channel lights

<http://www.hansonelectronics.com.au/product/3m-fairy-light-extension/>



40cm fairy light female pigtails \$1.50 inc GST

Suits 2 wire 2 channel lights

<http://www.hansonelectronics.com.au/product/fairy-light-pigtails/>



IDC16 Crimp connector

Crimp on IDC16 connector for making 16 way cables up. Specifically for joining P10 panels to an octoscrollea/octoscroller.

2 connectors and a length of IDC16 ribbon required to make up a cable.

http://www.hansonelectronics.com.au/product/idc16_connector/



IDC16_Ribbon

16 way IDC ribbon cable for making up connection cables. In particular for interconnecting P10 panel and to rPi-P10 or octoscrollea/octoscroller.

Sold by the metre

http://www.hansonelectronics.com.au/product/idc16_ribbon/



2x40 20mm long male header

Suitable for making capes for Beaglebone Black, Beaglebone Green and Arduino.2x40 20mm Male Header

Used on Octoscrollea BBB cape for P10 panels.

http://www.hansonelectronics.com.au/product/2x40_20mm_header/



Replacement parts

IRLIB4343 Mosfet (pk 5) \$7.00 inc. GST

55V 19A N Channel Mosfet

<http://www.hansonelectronics.com.au/product/irlib4343/>

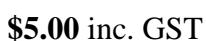


SSF7509 Mosfet (pk 5)

\$5.00 inc. GST

80V 80A N Channel Mosfet Pk 5.

<http://www.hansonelectronics.com.au/product/ssf7509/>



ATO fuse (pk10)

<http://www.hansonelectronics.com.au/?s=ato+fuse>

Available in 5, 7.5, 10, 15, 20 and 30A

\$2.50 inc GST



Mini fuse (pk10)

<http://www.hansonelectronics.com.au/?s=mini+fuse>

Available in 3, 5, 7.5, 10 and 15A

\$4.00 inc GST

Hardware

M2.5 Nylon nuts, screws, standoffs

M2.5 nylon nut (pack 10) \$0.20 inc. GST

http://www.hansonelectronics.com.au/product/m2-5_nut_pk10/

M2.5×8 nylon screw (pack 10) \$1.00 inc. GST

http://www.hansonelectronics.com.au/product/m2-5x8_screw_pk10/

M2.5x12_Standoff_(Pk10) \$4.00 inc. GST

http://www.hansonelectronics.com.au/product/m2-5_12mm_standoff_pk10/

M2.5x18_Standoff_(Pk10) \$4.50 inc. GST

http://www.hansonelectronics.com.au/product/m2-5_18mm_standoff_pk10/

M2.5 standoff kit

4 x (M2.5 nut, screw + standoff)

\$2.20 inc. GST

M2.5 x 12

\$2.30 inc GST

M2.5x 18

M3 Nylon nuts, screws, standoffs

M3 nylon nut (pack 10) \$0.30 inc. GST

http://www.hansonelectronics.com.au/product/m3_nut_pk10/

M3x8 nylon screw_(Pk10) \$1.00 inc. GST

http://www.hansonelectronics.com.au/product/m3x8_screw_pk10/

M3x25 nylon standoff_(Pk10) \$5.00 inc. GST

http://www.hansonelectronics.com.au/product/m3_25mm_standoff_pk10/

M3 L Brackets

Pk 4 M3 L bracket for mounting PCBs

\$2.40 inc GST

https://www.hansonelectronics.com.au/product/m3_l_bracket/



Vent - 80mm

\$13.50 inc GST

<https://www.hansonelectronics.com.au/product/vent80mm/>



290x190x140 box

\$28.00 inc GST

ABS box/enclosure with mounting pan

<http://www.hansonelectronics.com.au/product/box-290x190x140/>



390x290x160 box

\$45.00 inc GST

ABS box/enclosure with mounting pan

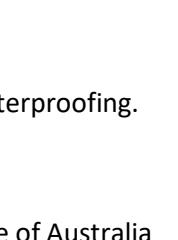
<http://www.hansonelectronics.com.au/product/box-390x290x160/>



4 Hole cable gland

\$2.80 inc GST

<http://www.hansonelectronics.com.au/product/4holegland/>



Box Mounting Feet

\$5.00 inc GST

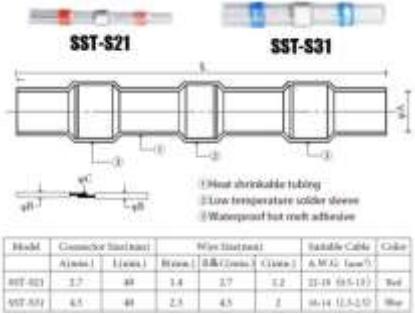
Mounting feet for above boxes. Screw into rear of box and maintain waterproofing.

<https://www.hansonelectronics.com.au/product/mounting-feet/>



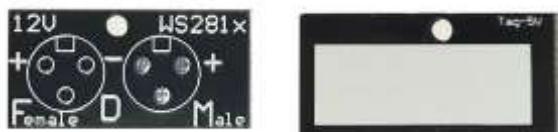
Shrink sleeves

Pk10 Red	\$2.60 inc GST
Pk10 Blue	\$2.80 inc GST
http://www.hansonelectronics.com.au/product/shrink-sleeve-red/	
http://www.hansonelectronics.com.au/product/shrink-sleeve-blue/	



Pixel label tags 5V and 12V \$0.20 inc. GST

Labelling tags for 5V and 12V WS2811 pixels
<https://www.hansonelectronics.com.au/product/tag-5v/>
<https://www.hansonelectronics.com.au/product/tag-12v/>



Pixel /rgb strip anchor \$0.60 inc. GST

<http://www.hansonelectronics.com.au/product/mount02/>

Pixel node-strip relief (MSR) \$0.30 inc. GST

<http://www.hansonelectronics.com.au/product/mount01/>

Pixel node-strip mount \$1.00 inc. GST

<http://www.hansonelectronics.com.au/product/mount03/>



P10 BBB-PI mount \$2.20 inc. GST

<http://www.hansonelectronics.com.au/product/mount05/>

Power supplies

400W supplies \$55.00 inc. GST

5V 80A, 12V 33A, 24V 16.5A, 31V 12.9A
http://www.hansonelectronics.com.au/?s=s-400&post_type=product



200W supplies \$40.00 inc. GST

5V 40A, 31V 6.4A
http://www.hansonelectronics.com.au/?s=s-200&post_type=product



12V 5A 60W power supply \$16.00 inc. GST

<https://www.hansonelectronics.com.au/product/power-supply-s60-12/>

\$16.00 inc. GST

Waterproof 12V 500W \$80.00 inc GST

12V 500W Waterproof power supply
<https://www.hansonelectronics.com.au/product/power-supply-s60-12/>



Tools

WS2811 Pixel testers

\$5.50 inc. GST

3 button mini tester with 76 kinds of patterns/speed
DC5V-24V WS2811 LED smart pixel controller

<http://www.hansonelectronics.com.au/product/pixel-tester-2811/>

USB powered WS2811 LED smart pixel controller \$6.60 inc. GST

<http://www.hansonelectronics.com.au/product/usb-pixel-tester-2811/>

Inline WS2811 LED smart pixel controller \$11.00 inc GST

<http://www.hansonelectronics.com.au/product/inline-pixel-testerr/>

<http://www.hansonelectronics.com.au/product/inline-pixel-testerx/>

13.5mm (Ray Wu) or X-connect pigtails fitted

Sidecutters

\$10.00 inc GST

Flush cut sidecutters

<http://www.hansonelectronics.com.au/product/flush-cut-sidecutters/>

Pixel Meter

\$25.00 inc GST

Ray Wu 13.5mm or X-connect pigtails fitted

<http://www.hansonelectronics.com.au/product/pixelmeterr/>

<http://www.hansonelectronics.com.au/product/pixelmeterx/>

Pixel mounting pliers

\$11.00 inc GST

For mounting pixel nodes into mounting strip

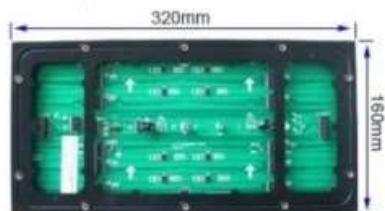
<http://www.hansonelectronics.com.au/product/pixel-pliers/>

Leds

P10 indoor pixel panels \$26.50 inc. GST

P10 RGB pixel panel

<http://www.hansonelectronics.com.au/product/p10-panel/>



P5 indoor pixel panels

\$33.00 inc. GST

P5 RGB pixel panel

<http://www.hansonelectronics.com.au/product/p5-panel/>



Dumb RGB strip

\$36.00 inc. GST

12V dumb RGB strip 5m (the whole strip lights up the same colour)

LED Light Source: SMD5050

Input Voltage(V): DC12V

Power: 7.2W/M

<http://www.hansonelectronics.com.au/product/rgb-strip-12v/>

WS2811 Strip-30Led per metre

\$38.00 inc GST

12V 10 pixel per metre, 30 led per metre 2811 pixel strip

3 leds per pixel

<http://www.hansonelectronics.com.au/product/ws2811-strip-30led-per-metre/>



DRAFT

WS2811 5V pixel nodes

\$24.00 inc GST

10cm wire length, 50 count. Gives approx. 70-80mm max separation.

JST connectors.

<http://www.hansonelectronics.com.au/product/ws2811-5v-nodes-10cm/>



WS2811 5V pixel nodes with Xconnect pigtailed

\$33.00 inc GST

10cm wire length, 50 count . Gives approx. 70-80mm max separation.

<http://www.hansonelectronics.com.au/product/ws2811-5v-nodes-10cm/>

Seed pixels 5cm and 10cm

12V WS2811 seed pixel 10m at 10cm spacing (100 pixels) \$22.00 inc. GST

https://www.hansonelectronics.com.au/product/12v_seed_10_10/

12V WS2811 seed pixel 10m at 5cm spacing (200 pixels) \$33.00 inc. GST

<https://www.hansonelectronics.com.au/product/12v-seed-10m-5cm/>



Wifi /infrared pixel controller and leds

\$33.00 inc GST

100 seed pixels and a controller with wifi and/or IR control

<https://www.hansonelectronics.com.au/product/wifi-controller-and-leds/>



Pixel mounting strip (50m roll)

\$125.00 inc GST

Extra heavy duty pixel or rgb node mounting strip

Ideal for megatree construction

25mm mounting spacing with intermediate cable tie holes

(Nodes and pliers not included)

http://www.hansonelectronics.com.au/product/mounting_strip-50m/



Single board computers (and extras)

Other versions of Pi and Beaglebone may be available. See website

Prices change regularly due to supplier/Australian dollar changes.

BeagleBone Black (BBB)

\$90.00 inc. GST

BeagleBone Black for running Falcon Player and running Octoscroller for P10 boards, He123 pixel controller and other lighting gear

<http://www.hansonelectronics.com.au/product/beaglebone-black/>



BeagleBone Green (BBG)

\$80.00 inc. GST

Same specs as BBB but with no HDMI output.

<http://www.hansonelectronics.com.au/product/beaglebone-green/>



Raspberry Pi 3 Model B+

\$70.00 inc. GST

Raspberry Pi 3B+ single computer board for running Falcon Player

<http://www.hansonelectronics.com.au/product/raspberry-pi-3b-plus/>



Raspberry Pi Zero WH

\$33.00 inc. GST

Raspberry Pi Zero WH (with soldered on header)

<https://www.hansonelectronics.com.au/product/raspberry-pizerowh/>



rPi-Led Raspberry Pi Oled display for FPP

\$15.00 inc. GST

A 128x64 Blue Oled display for Raspberry. Mounts to expansion header of Pi2,3,4, Zero and wireless versions.

<http://www.hansonelectronics.com.au/product/rpi-led/>



The 10% GST is not payable outside of Australia

rPi-LedClock Raspberry Pi Oled display with RTC \$18.00 inc GST

Same footprint and mount as rPi-Led but with RTC underneath

<http://www.hansonelectronics.com.au/product/rpi-ledclock/>

Insert picture

rPi-Clock Raspberry Pi real time clock/ RTC \$6.60 inc GST

Same footprint and mount as rPi-Led but with RTC underneath

<http://www.hansonelectronics.com.au/product/rpi-clock/>



Oled blue 128x64 display \$8.80 inc. GST

A 128x64 0.96" I2C Blue Oled display for Raspberry Pi, Arduino, PIC etc

<http://www.hansonelectronics.com.au/product/oled-128x64blue/>



Data extenders

Null pixel buffer

A simple data buffer that extends WS2811 or similar data.

Mounts inline with usual Gnd,Pwr,Data. 5V-24V operation.

<http://www.hansonelectronics.com.au/product/null/>

\$2.50 inc GST



Null pixel buffer RTG (ready to go) \$6.60 inc GST (Xconnect \$6.80)

A null pixel buffer mounted inline with 3 core 13.5mm pigtails

Available in several wiring pinouts and can be custom made

<http://www.hansonelectronics.com.au/product/null-buffer-rtg1/>

<http://www.hansonelectronics.com.au/product/null-buffer-rtg2/>

<http://www.hansonelectronics.com.au/product/null-buffer-rtg-xconnect/>



Differential output receivers

For the HE123-4T and HE123-RX 4 channel WS2811 differential data transmitter and receiver see HE123 section

Server power supply style

PSDIFF4

\$28.00 inc. GST

4 pixel outputs and 4 power injection outputs

<https://www.hansonelectronics.com.au/product/psdiff4/>

Right angle mount

<https://www.hansonelectronics.com.au/product/psdiff4r/>



PSDIFF8

\$32.00 inc. GST

8 pixel outputs

<https://www.hansonelectronics.com.au/product/psdiff8/>

Right angle mount

<https://www.hansonelectronics.com.au/product/psdiff8r/>

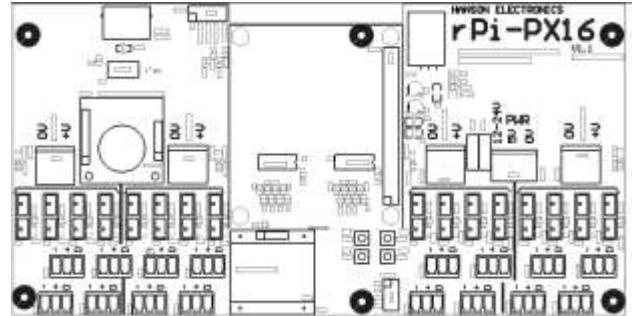


Upcoming boards

Pixel controllers

Rpi-PX16

16 output pixel board using a Raspberry Pi running Falcon Player
Oled display, DMX output, FPP navigation keys, user inputs, RTC
<https://www.hansonelectronics.com.au/product/rpix16/>



Differential output receivers

Enclosed/brick power supply style

4 pixel outputs and 4 power injection outputs

Power supply style with V- to the left of V+

<https://www.hansonelectronics.com.au/product/psbdiff4l/>

Power supply style with V- to the right of V+

<https://www.hansonelectronics.com.au/product/psbdiff4r/>

8 pixel outputs

Power supply style with V- to the left of V+

<https://www.hansonelectronics.com.au/product/psbdiff8l/>

Power supply style with V- to the right of V+

<https://www.hansonelectronics.com.au/product/psbdiff8r/>



Ready to go controllers

HE123D ready to go

48 output differential output pixel controller using a Beaglebone Green running Falcon Player.

Rpi-PX16 ready to go

16 output pixel board using a Raspberry Pi running Falcon Player and a 12V server power supply

