

HANSON ELECTRONICS

Catalogue of Christmas Light Dimmers, 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 10
20-Sep-2021

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

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

Table of Contents

DMX Dimmer boards	4
DMX36 Mk2	4
DMX18 18 Channel DC dimmer	4
DMX2-18 18 Channel DC dimmer for 2 wire/2 channel strings.....	4
DMX2-24 24 Channel DC dimmer for 2 wire/2 channel strings.....	4
P10 panel/ pixel/ dmx control boards	5
Octoscrolla_MK2B.....	5
Octoscrolla_bare pcb	5
rPi-P10	5
rPi-MFC	5
rPi-28D	6
rPi-28D+	6
HC-1W LED Matrix Card with wifi	6
Accessory boards.....	6
Hexfuse2.....	6
Hexfuse kit	6
P10 fuse	6
Power8.....	6
Power4.....	7
Psdist1	7
Psdist6	7
Psdist2	7
Psdist3	7
RJ45-27ch.....	7
TinyRTC	7
Pixel-DC Dimmer boards.....	8
2811DC15 Dimmer.....	8
2811DC30 Dimmer	8
2801DC15 Dimmer	8
2801DC30 Dimmer	8
2811DC2-30 pixel to 2 wire Dimmer	8
Accessories.....	9
USB-DMX Dongle	9
LOR-ESTA_Adaptor	9
RJ45-Joiner.....	9
Plugs, sockets, connectors	9
3 pin 3.5mm connector (green).....	9
4 pin 3.5mm connector (green)	9
Pixjoiner.....	9
2 core 13.5mm Waterproof pigtails.....	10
3 core 13.5mm Waterproof pigtails.....	10
4 core 13.5mm Waterproof pigtails.....	10
O-ring to suit 13.5mm male pigtails	10
13.5mm Waterproof caps (pk 20).....	10
13.5mm Waterproof caps (pk 10).....	10
3 core Waterproof pigtails X-connect	10
3m fairy light extension cable	10
40cm fairy light female pigtails	10
IDC16_connector.....	10
IDC16_Ribbon	10

2x40 20mm long male header	11
5mm 2 way terminal (pk 5)	11
5mm 3 way terminal (pk 5)	11
6.35mm 2 way terminal (pk 5).....	11
Replacement parts	11
IRLIB4343 Mosfet (pk 5)	11
SSF7509 Mosfet (pk 5)	11
ATO fuse (pk10).....	11
Mini fuse (pk10)	11
Hardware	12
M2.5 Nylon nuts, screws, standoffs	12
M2.5 standoff kit.....	12
M3 Nylon nuts, screws, standoffs	12
290x190x140 box	12
290x190x140 box with glands	12
390x290x160 box	12
4 Hole cable gland \$2.80 inc GST	12
Shrink sleeves.....	12
Pixel /rgb strip anchor.....	13
Pixel node-strip relief (MSR)	13
Pixel node-strip mount	13
P10 panel mount	13
P10 BBB-PI mount	13
Power supplies	13
Tools	13
Pixel testers.....	13
Sidecutters	13
Pixel Meter.....	13
Leds.....	14
P10 indoor pixel panels	14
P5 indoor pixel panels.....	14
Dumb RGB strip	14
WS2811 Strip-30Led per metre	14
WS2811 5V pixel nodes-10cm.....	14
Pixel mounting strip (50m roll)	14
Pixel mounting pliers	14
Single board computers	15
BeagleBone Black.....	15
BeagleBone Green	15
Raspberry Pi 3 Model B+	15
Raspberry Pi Oled display for FPP	15
Oled blue 128x64 display	15
Data extenders	15
Null pixel buffer	15
Null pixel buffer RTG (ready to go).....	15
HE123-4T and HE123-RX.....	15
HE123 BeagleboneGreen/Black pixel controller	16
HE123 Mk2 motherboard	16
HE123-RJ pixel breakout daughterboard	16
HE123-TX pixel differential expansion daughterboard.....	16
HE123-EX2 4 channel pixel power breakout	16

DMX Dimmer boards

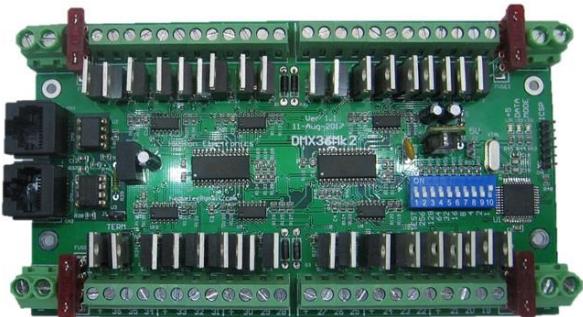
DMX36 Mk2

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/>



DMX2-18

18 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 9 channel mode to allow both channels of a string to be dimmed at the same rate

Software programmable start address

\$100.00 inc. GST

<http://www.hansonelectronics.com.au/product/dmx2-18/>

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

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)



Cables to suit the lights/controllers commonly used on the 2 wire 2 channel lights are in the plug/socket section of catalogue.

P10 panel/ pixel/ dmx control boards

Also see HE123 16/48 output pixel controller

Octoscrolle_MK2B

Same function as original Octoscrolle but with power and run leds, fuse and power switch jumper.

Octoscrolle with Real Time Clock (RTC) fitted

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

The octoscrolle is a cape that is designed to plug into a [Beaglebone Black](#) (BBB) 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.

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



http://www.hansonelectronics.com.au/product/octoscrolle_mk2b/ \$29.00 inc. GST

http://www.hansonelectronics.com.au/product/octoscrolle_mk2b_with rtc/ \$33.00 inc. GST

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

\$24.00 inc. GST (also available as kit)

Octoscrolle_with-RTC

Note: CR2032 battery not supplied

\$28.00 inc. GST (also available as kit)

Octoscrolle_bare pcb

\$3.10 inc. GST

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

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

rPi-P10

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

\$26.00 inc. GST

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



rPi-MFC

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

\$44.00 inc. GST

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



rPi-28D

2811,2801 and DMX cape for Raspberry Pi

Supports 2 2811 pixel outputs

- Supports 1 2801 pixel output
- Supports 1 non-isolated DMX outputs
- Runs under Falcon Player (FPP)
- Can power cape and Raspberry Pi from 5V or 12V input
- 3 uncommitted power inputs for the 3 pixel outputs. Can be fused prior to rPi-28D. 5V and/or 12V pixels can be connected

\$35.00 inc. GST

<http://www.hansonelectronics.com.au/product/rPi-28D/>



rPi-28D+

2811,2801 and DMX cape for Raspberry Pi

- Identical function to rPi-28D but with fuses for the 3 pixel outputs

\$38.00 inc. GST

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



HC-1W LED Matrix Card with wifi

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

\$27.50 inc. GST

<http://www.hansonelectronics.com.au/product/hc1w/>



Accessory boards

Hexfuse2

6 way fused power breakout pcb. 3 isolated inputs to 3 pairs of 2 fused outputs.

3 x 30A inputs. 6 x 15A outputs

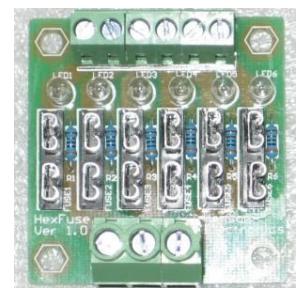
Automotive mini fuseholder for each output

Fuse blown/missing LED for each output

Board dimensions are 50mm x 50mm

\$23.00 inc. GST

<http://www.hansonelectronics.com.au/product/hexfuse2/>



Hexfuse kit

Kit of components to assemble Hexfuse as above.

\$12.00 inc. GST

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

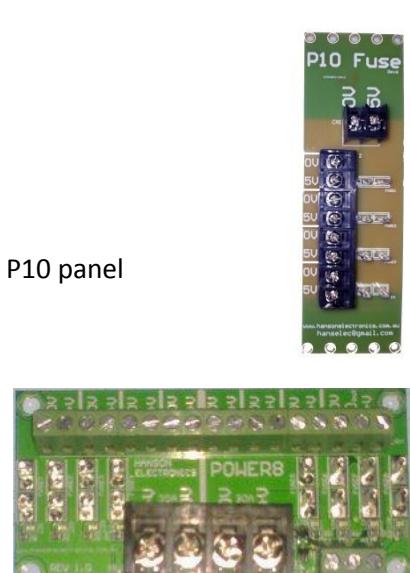


P10 fuse

4 way fused power breakout for P10 panels. Designed to mount across rear of P10 panel

\$22.00 inc. GST

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



Power8

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

\$35.00 inc. GST <http://www.hansonelectronics.com.au/product/power8/>

Power4

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
\$20.00 inc. GST <http://www.hansonelectronics.com.au/product/power4/>



Psdist1

Power supply direct connect fuse board
4 15A fused outputs
1 10A fuse output
\$20.00 inc. GST
<http://www.hansonelectronics.com.au/product/psdist1/>



Psdist6

Power supply direct connect fuse board
4 15A fused outputs
1 10A fuse output
\$20.00 inc. GST
<http://www.hansonelectronics.com.au/product/psdist6/>



Psdist2

12V server Power supply edge connect fuse board
8 15A fused outputs. Maximum 100A total
\$24.00 inc. GST
<http://www.hansonelectronics.com.au/product/psdist2/>



Psdist3

12V server power supply edge connectdistribution board
5 30A unfused outputs. Maximum 100A total
\$20.00 inc. GST
<http://www.hansonelectronics.com.au/product/psdist3/>



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/>



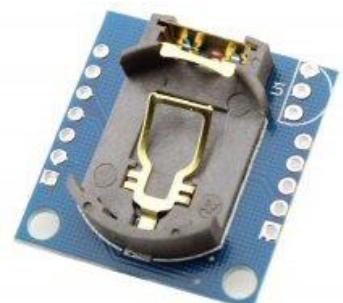
TinyRTC

TINYRTC Real time clock board
Tiny RTC using DS1307
It uses a Lithium cell battery (CR2032). Arduino, Raspberry Pi, Beaglebone Black or other microprocessor environments.

**Please note that this module does not include the CR2032 battery
When connecting to a Pi or BBB R2 and R3 should be removed**

Module as used on Octoscrollea with RTC, rPi-MFC, HE123 and rPi-28D.
\$3.00 inc. GST

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



Pixel-DC Dimmer boards

Designed for connecting dumb DC elements into a pixel network

2811DC15 Dimmer

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.

\$46.00 inc. GST

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



2811DC30 Dimmer

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.

\$69.00 inc. GST

<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

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

\$120.00 inc GST

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



Accessories

USB-DMX Dongle

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

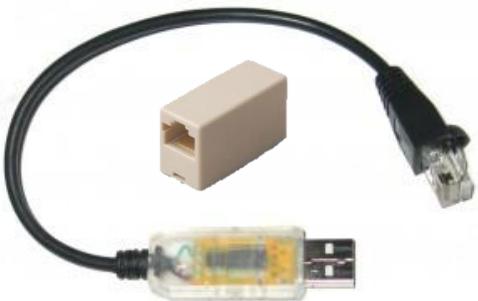
Non isolated and with ESTA RJ45 pinout.

Dongle ships with an RJ45 joiner.

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

\$28.00 inc. GST

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



LOR-ESTA_Adaptor

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.

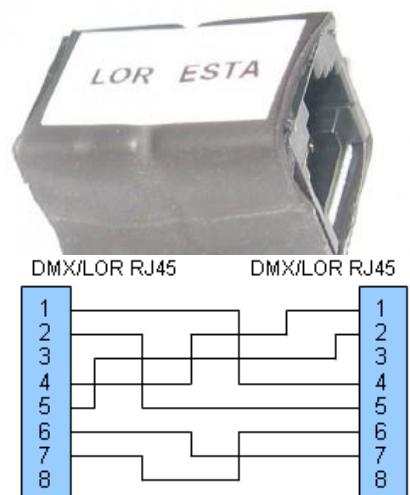
The adaptor is used between any ESTA wired device (dongle, dimmer, laser, pan tilt head etc) and a LOR controller. The adaptor is bi-directional so there is no need to worry about which direction faces the LOR and which faces the ESTA DMX device.

Can also be used on the output of the [Hanson Electronics USB dongle](#) to allow them to be used as LOR usb dongles. Alternately you can use them with a LOR dongle to connect to ESTA wired DMX devices.

Black heatshrinked version pictured, clear heatshrinked version may be supplied.

\$6.60 inc. GST

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



RJ45-Joiner

RJ45 joiner for extending Cat5 or Cat6.

Straight through. Pin1 to Pin1 through Pin8 to Pin8.

\$3.00 inc. GST

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



Plugs, sockets, connectors

3 pin 3.5mm connector (green)

3 pin 3.5mm connector used on 2811DC30 & 2811DC15 . Pcb mount included

\$0.60 inc. GST

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



4 pin 3.5mm connector (green)

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

\$0.60 inc. GST

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

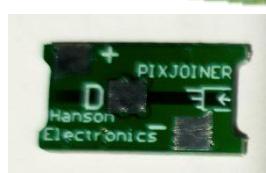


Pixjoiner

Pcb for inline joining of 2 or 3 conductor pixel cables

\$0.15 inc. GST

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



2 core 13.5mm Waterproof pigtails

Pk 25 Black with 20cm wire length \$31.00 inc. GST

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



3 core 13.5mm Waterproof pigtails

Pk 25 Black with 20cm wire length \$36.00 inc. GST

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



4 core 13.5mm Waterproof pigtails

Pk 25 Black with 20cm wire length \$42.00 inc. GST

<http://www.hansonelectronics.com.au/product/4-core-waterproof-pigtails-pk-25/>



O-ring to suit 13.5mm male pigtails

Pk20 \$0.50 inc. GST

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



13.5mm Waterproof caps (pk 20)

Pk 20 13.5mm caps to suit female pigtail \$3.00 inc. GST

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



13.5mm Waterproof caps (pk 10)

Pk 10 13.5mm caps to suit pigtail \$2.00 inc. GST

<http://www.hansonelectronics.com.au/product/13-5mm-waterproof-caps-pk-10/>



3 core Waterproof pigtails X-connect

Pk 25 Black with 20cm wire length \$33.00 inc. GST

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



3m fairy light extension cable

Suits 2 wire 2 channel lights

\$5.50 inc GST

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



40cm fairy light female pigtails

Suits 2 wire 2 channel lights

\$1.50 inc GST

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



IDC16_connector

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

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

\$0.40 inc. GST

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 octoscroller/octoscroller.

Sold by the metre \$1.50 inc. GST

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 Octoscrolla BBB cape for P10 panels.

\$1.00 inc. GST

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



5mm 2 way terminal (pk 5)

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.

\$1.10 inc. GST

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



5mm 3 way terminal (pk 5)

5mm Pitch

Cable size: 0.5-2mm²

\$1.50 inc. GST

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

6.35mm 2 way terminal (pk 5)

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.

\$2.00 inc. GST

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



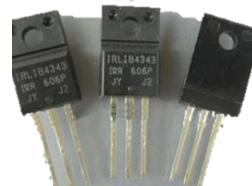
Replacement parts

IRLIB4343 Mosfet (pk 5)

55V 19A N Channel Mosfet

\$7.00 inc. GST

<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)

\$2.50 inc GST

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

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



Mini fuse (pk10)

\$4.00 inc GST

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

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

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/

M2.5x8 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)

M2.5 x 12 **\$2.20** inc. GST

M2.5x 18 **\$2.30** inc GST



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/



290x190x140 box

ABS box/enclosure fitted with 3 4 way cable glands **\$28.00** inc GST

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

290x190x140 box with glands

ABS box/enclosure fitted with 3 4 way cable glands **\$35.00** inc GST

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



390x290x160 box

ABS box/enclosure **\$45.00** inc GST

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



4 Hole cable gland **\$2.80** inc GST

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

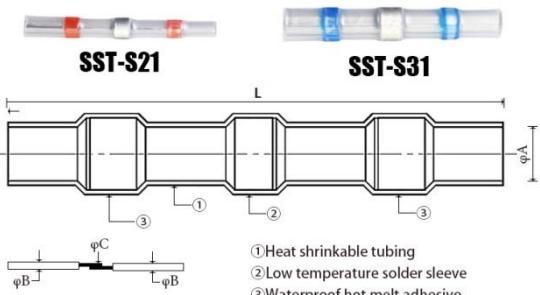
Shrink sleeves

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/>



Model	Connector Size(mm)	Wire Size(mm)	Suitable Cable	Color			
	A(min.)	L(min.)	B(min.)	B & C(min.)	C(min.)	A.W.G (mm ²)	
SST-S21	2.7	40	1.4	2.7	1.2	22-18 (0.5-1.0)	Red
SST-S31	4.5	40	2.3	4.5	2	16-14 (1.5-2.5)	Blue

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 panel mount

\$1.00 inc. GST

<http://www.hansonelectronics.com.au/product/mount04/>



P10 BBB-PI mount

\$2.20 inc. GST

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



Power supplies

400W supplies

5V 80A,12V 33A,24V 16.5A, 27V 14.8A,31V 12.9A

\$55.00 inc. GST

http://www.hansonelectronics.com.au/?s=s-400&post_type=product

200W supplies

\$40.00 inc. GST

5V 40A, 27V, 31V

http://www.hansonelectronics.com.au/?s=s-200&post_type=product



Tools

Pixel testers

3 button mini tester with 76 kinds of patterns/speed

\$5.50 inc. GST

DC5V~24V WS2811 LED smart pixel controller

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

USB powered WS2811 LED smart pixel controller

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

\$6.60 inc. GST

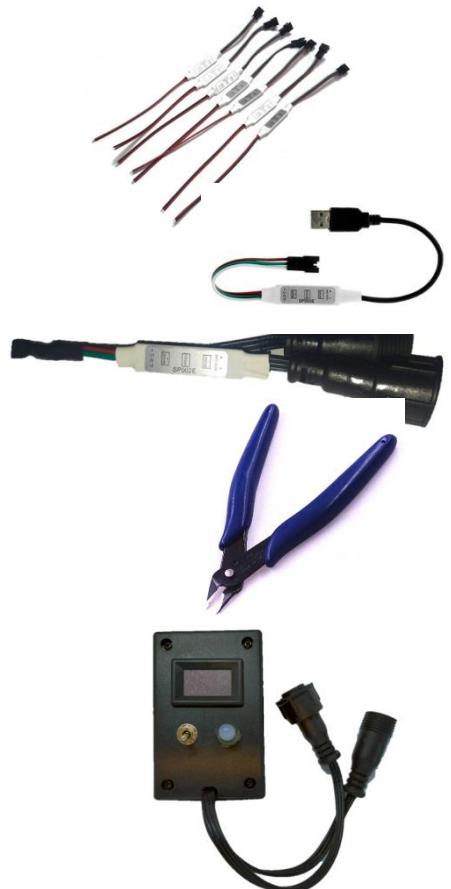
Inline WS2811 LED smart pixel controller

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

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

\$11.00 inc. GST

Ray Wu 13.5mm or X-connect pigtailed fitted



Sidecutters

Flush cut sidecutters

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

\$10.00 inc GST

Pixel Meter

\$25.00 inc GST Ray Wu 13.5mm or X-connect pigtailed fitted

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

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

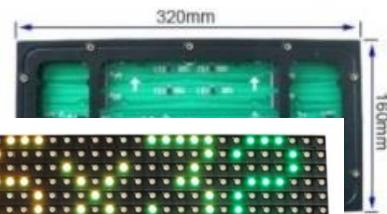
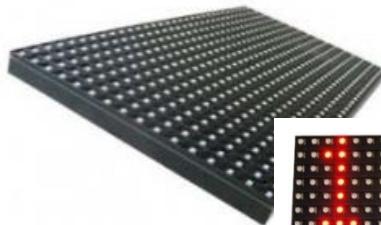
The 10% GST is not payable outside of Australia

Leds

P10 indoor pixel panels

P10 RGB pixel panel

\$26.50 inc. GST



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

P5 indoor pixel panels

P5 RGB pixel panel

\$33.00 inc. GST

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

P5 RGB LED Module

SMD P5 RGB
Black Lamp
64 * 32 Pixel
Indoor module

Size:320mm*160mm

Dumb RGB strip

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

LED Light Source: SMD5050

Input Voltage(V): DC12V

Lamp Power: 7.2W/M

\$36.00 inc. GST

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



WS2811 Strip-30Led per metre

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

3 leds per pixel

\$38.00 inc GST

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



WS2811 5V pixel nodes-10cm

10cm wire length. Gives approx. 70-80mm separation.

\$24.00 inc GST

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



Pixel mounting strip (50m roll)

Extra heavy duty pixel or rgb node mounting strip

Ideal for megatree construction

25mm mounting spacing with intermediate cabletie holes

(Nodes and pliers not included)

\$125.00 inc GST



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

Pixel mounting pliers

For mounting pixel nodes into mounting strip

\$11.00 inc GST

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



Single board computers

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

Prices change regularly due to supplier/Australian dollar changes.

BeagleBone Black

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

\$90.00 inc. GST

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



BeagleBone Green

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

\$80.00 inc. GST

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



Raspberry Pi 3 Model B+

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

\$70.00 inc. GST

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



Raspberry Pi Oled display for FPP

A 128x64 Blue Oled display for Raspberry Pi's running FPP2.6 and later.

Mounts to expansion header of Pi2,3, Zero and wireless versions.

\$15.00 inc. GST

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



Oled blue 128x64 display

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

\$8.80 inc. GST

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



Data extenders

Null pixel buffer

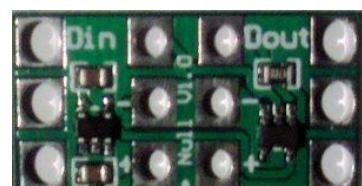
A simple data buffer that extends WS2811 or similar data.

Mounts inline with usual Gnd,Pwr,Data.

5V-24V operation.

\$2.50 inc GST

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



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/>



HE123-4T and HE123-RX

4 channel WS2811 differential data transmitter and receiver.

See HE123 section.

HE123 BeagleboneGreen/Black pixel controller

The HE123 is a pixel board based on the single board computer BeagleBone Green or Black (BBG or BBB). It uses design elements of the RGB123 48 output pixel board that can be controlled with Falcon Player (FPP). The HE123 is the motherboard that the BBG/BBB plugs into as well as 3 other daughter boards. The 48 outputs are for 2811 and compatible pixels.

The HE123 can be used with either the Beaglebone Green or the Beaglebone Black.

HE123 Mk2 motherboard

Beaglebone Green/Black 16/48 output WS281x pixel controller

-16 fused pixel outputs with 4 outputs per power input

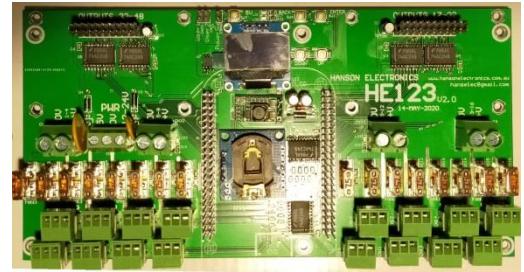
-2 expansion headers of 16 each

-inbuilt real time clock

-connects to HE123RJ, HE123TX, HE123PX

\$120 inc GST

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



The HE123Mk2 has oled display, FPP navigation keys, mini fuses and temperature sensing.

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-px2-16-channel/>



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

-16 RS422 balanced pair outputs for long range tx

-16 outputs. pixel outputs on standard RJ45 pairs

-mates with 4 HE123RX

\$22 inc GST <http://www.hansonelectronics.com.au/product/he123-tx/>



Receivers

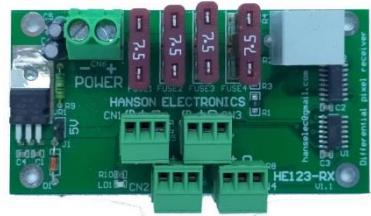
HE123-EX2 4 channel pixel power breakout

-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

\$16 inc GST <http://www.hansonelectronics.com.au/product/he123-ex2/>



HE123-RX2 4 channel differential RS422 to pixel receiver

-RJ45 connector to 4 channels powered, buffered pixel outputs

-mates with HE123-TX

\$22 inc GST <http://www.hansonelectronics.com.au/product/he123-rx2/>



Standalone differential transmitter

HE123-4T 4 channel pixel to 4 RS422 differential

-balanced pair outputs for long range transmission

-connects to any 2811 pixel board to allow long range transmission.

-mates with 1 HE123-RX

\$22 inc GST <http://www.hansonelectronics.com.au/product/he123-4t/>