



OUR PARTNERS YOUR SUCCESS

Welcome to our PaC Components January 2019 Newsletter.

Hello!

How quickly the year has passed. 2018 started busy but with the softening of the electronics market in the later part, we begin to see a slow down. In the usual PaC spirit, we all endeavor to maintain our sales numbers and work for better 2019.

This year we will continue to pursue and expand our other business segment, namely Power Conversion, Consumer Devices, Displays and Electric Car Charging products. We will share some of the developments in the following product pages.

Wishing everyone a healthy and good 2019!!!



PaC Singapore office 2018 Christmas lunch gathering.



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Product News - ■ TRACO POWER

TMPS 10 series

Ultra compact 10 Watt AC/DC power modules for industrial and household applications

- Compact PCB Power module in 1" x 1.5" package
- Certified to EN 60335-1 and UL 62368-1 for household and industrial appliance
- Reinforced I/O isolation 4000 VAC
- Operating temperature range -25°C to $+70^{\circ}\text{C}$
- Allows 130% peak current up to 30s
- Ready to meet ErP directive, $< 0.15\text{ W}$ no load power consumption
- EMI meets EN 55032 class B and EN 55014-1
- Protection class II prepared
- 3-year product warranty



The TMPS 10 series comprises ultra compact AC/DC power supply modules in a lightweight fully encapsulated plastic casing for PCB mount. Beside the latest safety approvals for industrial and IT solutions (IEC/EN/UL 62368-1), they are also certified to IEC/EN 60335-1 for household appliance. These 10 Watt modules are the ideal solution for low power or segregated circuits when space is critical or for an efficient powering of a standby mode when compliance to ErP directive is required. A peak current of 130% facilitates the activation of main circuits.

Models and Datasheet:

[TMPS 10 series](#)



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Product News - ■■ TRACO POWER

THN 15N – New 15 Watt DC/DC converter

Next Generation of a 15 Watt DC/DC converter in 1"x1" metal package

- Internal EN 55032 class A filter
- Operating temperature range -40 to +70 °C without derating
- Low no-load power consumption 96 – 336 mW
- High efficiency at low output loads: 85% eff. at 20% load typ.
- 1600 VDC I/O-isolation
- Wide 2:1 input voltage 9-18, 18-36, 36-75 VDC
- Protection against overload, overvoltage and short circuit
- Remote On/Off and Trim function
- 3-year product warranty



The THN 15N series is the latest generation of isolated high performance 15 Watt DC/DC converters and comes in an encapsulated, shielded 1" x 1" x 0.4" metal package. The new and improved design allows to fully integrate an EN 55032 class A filter and greatly reduces the no-load power consumption (96-336 mW). Advanced circuit design results in high efficiencies at low output loads: typical 85% efficiency at 20% load and up to 91% during nominal operation. This enables the THN 15N to operate in a temperature range of -40°C to +70°C without derating. All models have a wide 2:1 input voltage range and precisely regulated, isolated output voltages. Further features include remote On/Off and trim able outputs. Together with the latest IT safety certifications (UL 62368-1) typical applications for these converters are mobile equipment, instrumentation, distributed power architectures in communication and industrial electronics and everywhere where space on PCB is critical.

Models and Datasheet:

[TNH15N](#)



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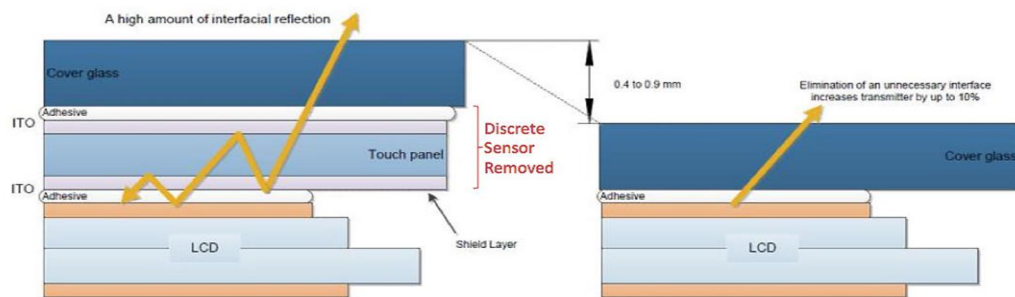
Welcome to our PaC Components October 2018 Newsletter.

Product News -  Shenzhen JMO Co., Limited

Display with On cell Capacitive Touch.

On cell and Glass on Glass technology

Comparison of Thickness with Earlier Modules
Existing external touch panel module



G+G

- Separate Sensor
- Cover lens OCA bonding with Sensor

On cell

- Sensor printed on TFT panel
- Support 10 fingers touch
- Support 1.1mm cover lens

Advantages of On Cell

- Price competitiveness. From the assembly On cell eliminate sensor as a separate part and a layer of OCA bonding processes compared to GG. Price can be closed to RTP but it is CTP function.
- Lower Tooling cost only involved cover lens & FPCB, approximately USD1K
- Shorter lead-time.

Samples order can be accomplished by 3 weeks production lead-time.
Production Leadtime for standard product for MP is estimated 2 weeks.
Production Leadtime for custom designed product is estimated 4weeks.

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Product News -



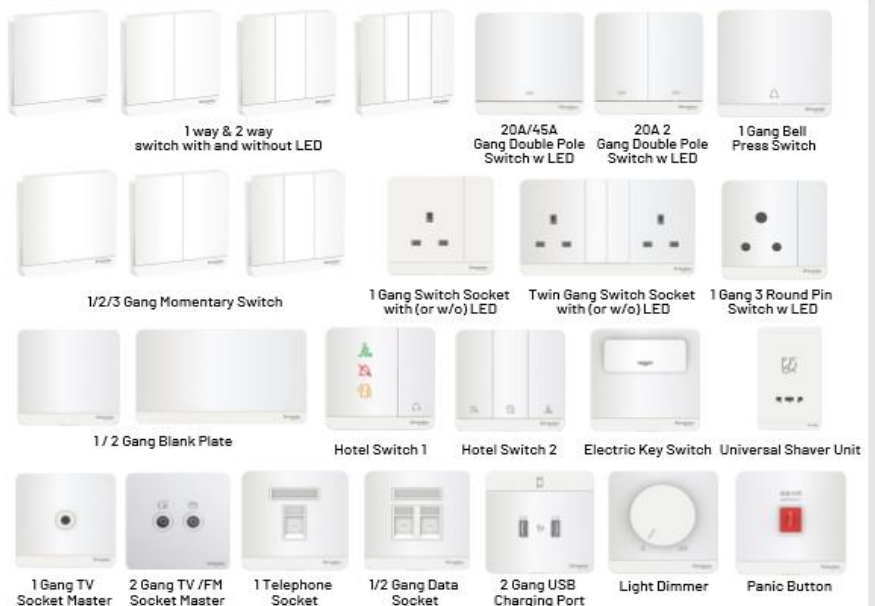
Hello,

To the month of coming a year, we announced our collaboration with Schneider to provide sales and support for their AvatarOn Switches. AvatarOn is a revolutionary suite of switches that takes personalization to the next level. Architected as a perfect union of form and function, the AvatarOn switch series offers infinite design flexibility to satisfy ever-changing aesthetic tastes while meeting the practical requirements of living spaces.

We are pleased to announce their feature ranges and new colours to provide you with more choice and options as below. (see article on below pages.)

CREATING LIMITLESS POSSIBILITIES

AvatarOn offers an array of switches and controls for superb functionality.





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Product News -



AvatarOn – DarkWood Switches



AvatarOn – Metal Hairline Gold Switches



AvatarOn – Wine Gold Switches





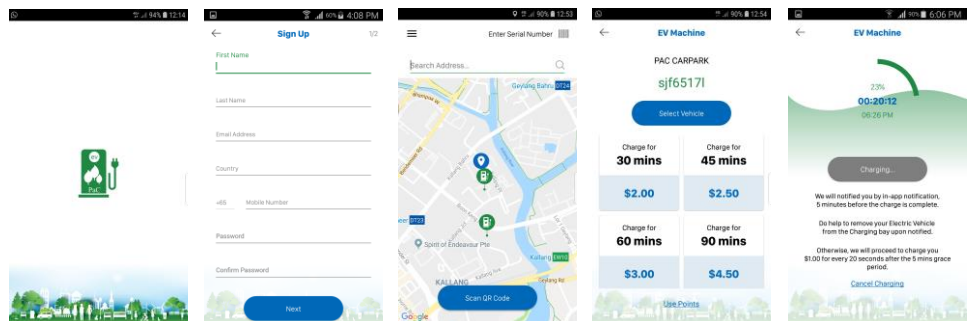
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Product News - Our PaC EV Link Mobile APP

Beta trial version now available in Google and Apple app store.

- Search for PaC EV
- Look out for icon on right
- Download the app
- Follow registration instructions
- Register with Credit card
- Happy EV Charging



Start up

Registration

Location

Select duration

Countdown Timer

In app notification will inform user 5 mins before charging completion time.

We will constantly monitor and improve as we continue on this road to facilitate to ease the use and for Electric Vehicle owners in Singapore!

Download it today for free!!!

If you have any comments or feedback, please contact us.
Email – danny@paccom.net