

## Preliminary Product Brief \*

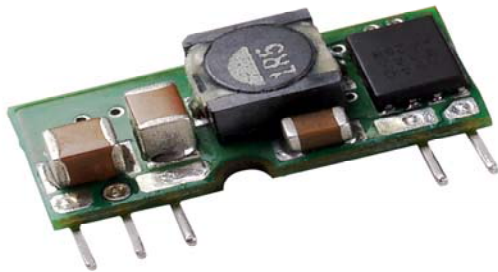
November 4, 2002

For Discussion with Tyco Electronics Customers Only – Tyco Electronics Proprietary



# Austin MicroLynx Non-Isolated SIP series

Output current 5A, 3.0Vdc-5.5Vdc input voltage range,  
Programmable Output voltage from 0.75Vdc to 3.63Vdc



(approval pending)

The Austin MicroLynx SIP (single-in-line) power modules are non-isolated dc-dc converters that can deliver 5A of output current with full load efficiency of 94% at 3.3V output. These modules provide precisely regulated output voltages ranging from 0.75Vdc to 3.63Vdc, programmable via an external resistor. The open frame construction and small footprint enables designers to develop cost- and space-efficient solutions. Standard features include remote On/Off, output voltage adjustment, and overcurrent protection. The Austin MicroLynx is also available in SMT versions (featured in a separate product brief).

## Applications

- Workstations, Servers, Desktop computers
- Distributed Power Architectures
- Telecommunications equipment
- Latest generation ICs (DSP, FPGA, ASIC) and Microprocessor-powered applications
- LANs/ WANs
- Data Processing Equipment
- Intermediate bus voltage applications

- **Delivers 5A of output Current**
- **High Efficiency: 94% at 3.3V full load (Vin = 5.0V)**
- **Small size and low profile:**  
22.9 mm x 10.0 mm x 5.41mm  
(0.90 in x 0.40 in x 0.213 in)
- **High reliability:**  
Estimated MTBF >10M hours at 25°C
- **Cost-efficient open frame design**
- **Single-in-line (SIP) package**

## Specifications

- Tightly regulated output voltage, typical  $\pm 1\%$
- Programmable output voltage via external resistor from 0.75Vdc to 3.63Vdc
- Load regulation  $\pm 0.2\%$
- Line regulation  $\pm 0.1\%$
- Ripple and noise (5Hz to 20MHz bandwidth)
  - RMS  $20\text{mV}_{\text{rms}}$
  - Peak to peak  $30\text{mV}_{\text{pk-pk}}$
- Operating temperature range:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Remote On/Off

## Protection

- Auto-reset output overcurrent protection (non-latching)

I) CSA is a registered trademark of Canadian Standards Association.

II) UL is a registered trademark of Underwriters Laboratories, Inc.

III) VDE is a trademark of Verband Deutscher Elektrotechniker e.V.

# Austin MicroLynx Non-Isolated SIP series

Non Isolated DC/DC Converters

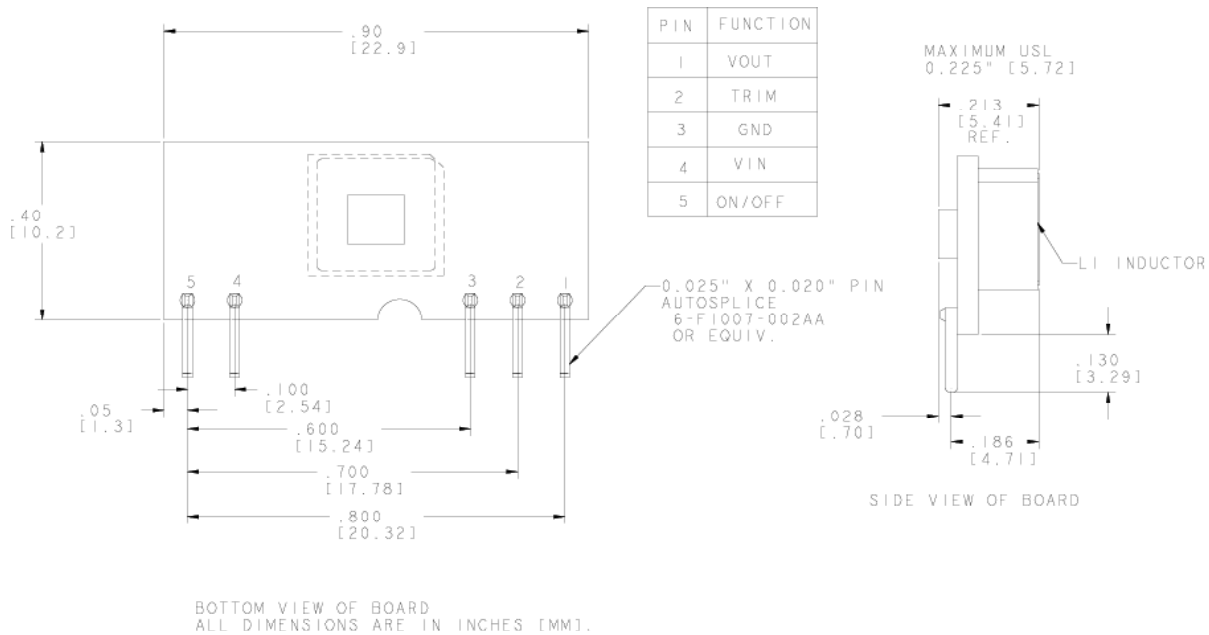
## Outline Drawing and Pin-out

### Physical Dimensions and design

SIP package with external dimensions of 22.9 mm x 10.2 mm x 5.41 mm (0.90" x 0.40" x 0.213")

**Weight:** TBD

The Austin MicroLynx SIP series has a robust open-frame construction able to withstand industry standard through-hole handling, soldering and cleaning processes.



## Ordering Information

Please contact your Tyco Electronics sales representative for pricing, availability and optional features.

Product codes	Input Voltage	Output Voltage	Output Current	Efficiency 3.3V @ 5A	Connector Type	Packaging	Comcodes
AXH005A0X	3.0V – 5.5Vdc	0.75V – 3.63Vdc	5A	94.0 %	Through Hole SIP	Box / Tray	108979675



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