

## Excellent Integrated System Limited

Stocking Distributor

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[Tamura](#)  
[TTC-4049](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

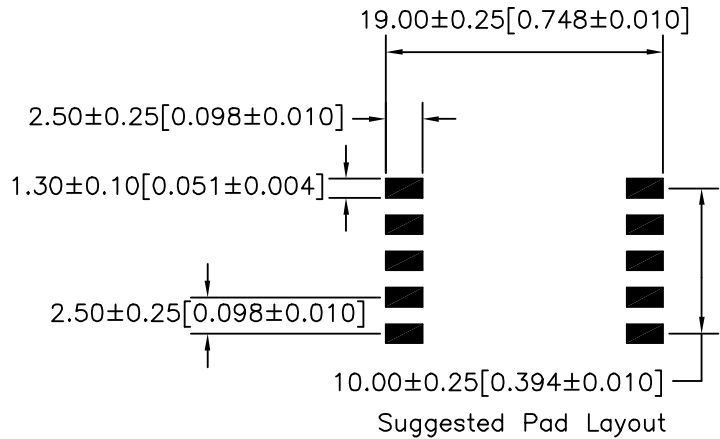
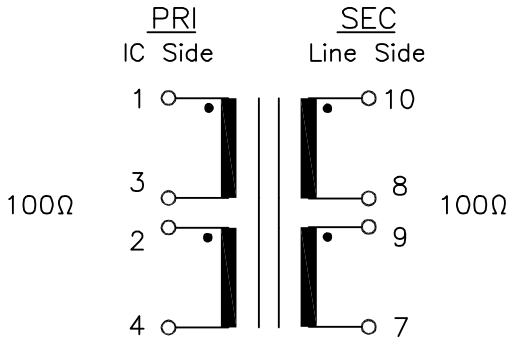
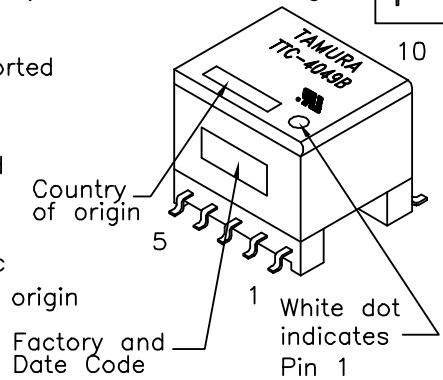
REV. Status  
 REVISION -  
 04/10/02 MP

ADSL transformer designed for use with Centillium IC chips  
 CT-L22SU15 (CPE Side), CT-L42DU30 (CPE Side)

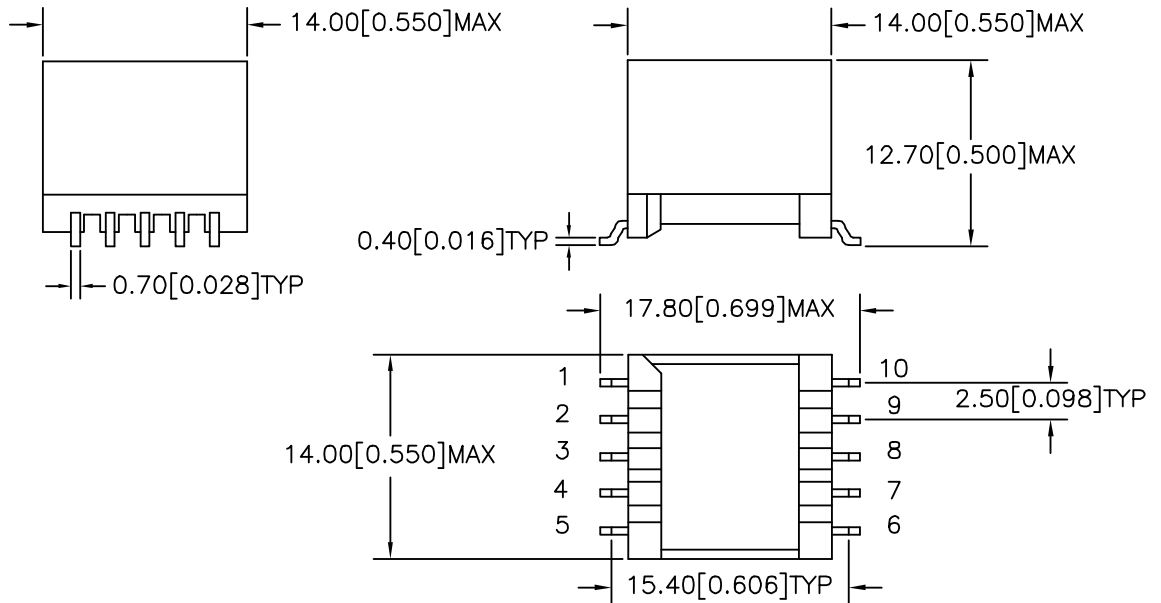
- A. Electrical Specifications (@ 25°C)
1. Primary (IC side) Impedance; 100Ω
  2. Secondary (Line side) Impedance; 100Ω
  3. Frequency Response; ±1.0dB @ 30KHz to 1.1MHz, 0dBm
  4. Insertion Loss; 0.5dB MAX @ 100KHz, 0dBm
  5. Longitudinal Balance; 40dB MIN @ 25KHz to 1.1MHz, 0dBm
  6. Primary Open Circuit Inductance; 5.0mH ±10% @ 10KHz, 0.1Vrms  
Measured (1-4) with 2 and 3 shorted
  7. Leakage Inductance; 18μH MAX @ 100KHz, 0.1Vrms  
Measured (1-4) with 2 & 3, 8 & 9 and 7 & 10 shorted
  8. Total Harmonic Distortion; -80dB MAX @ 30KHz
  9. DC Resistance; (1-4)=3.0Ω MAX, with 2 & 3 shorted  
(7-10)=3.0Ω MAX, with 8 & 9 shorted
  10. Turns Ratio; (1-4):(7-10)=1:1.00±2%  
2 & 3, and 8 & 9 shorted
  11. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec
- B. Marking; TTC-4049B, TAMURA, date code and country of origin  
 "B" designates UL approved family classification
- C. Safety; UL1950 3rd Edition, UL60950, EN60950
- D. Schematic;



MODEL NUMBER  
**TTC-4049**



E. Mechanical Specifications;



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.  
 P-A1-12472  
 ACAD\TTC\A1124721.DWG

REV  
 -

ADSL  
 TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
 (909) 699-1270 FAX 9096769482

**TTC-4049**

MODEL SPECIFICATION  
 DIM: mm(In) SCL: 2/1 SH: 1 OF 1

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