ADSL transformer designed for use with Centillium IC chips REV. Status CT-L52DU81 (CPE Side), CT-L42DU30 (CPE Side) 405 MODEL NUMBER **PRELIMINARY** A. Electrical Specifications (@ 25°C) 07/10/00 MP 1. Primary (Line side) Impedance; 100Ω 2. Secondary (IC side) Impedance; 22.1Ω E208555 PRELIMINARY 1 ADDED VALUES 3. Frequency Response; ±1.0dB @ 30KHz to 1.1MHz, 0dBm TO T.B.D.'s 4. Insertion Loss; 0.5dB MAX @ 100KHz, 0dBm 09/08/00 MP 5. Longitudinal Balance; 40dB MIN @ 30KHz to 1.1MHz, 0dBm PRELIMINARY 2 (Per ITU method pin 4 grounded) 6. Primary Open Circuit Inductance; 5.0mH ±10% @ 10KHz, 0.1Vrms Factory Code & CHANGED A.3-A.7, A.8, Measured (10-7) with 8 and 9 shorted Date Code C, D & MARKING Leakage Inductance; 12 μH MAX @ 100KHz, 0.1Vrms Measured (10-7) with 2 & 3, 8 & 9 and 1 & 4 shorted ON ISO DWG. 06/05/01 MP 8. Total Harmonic Distortion; -80dB MAX @ 40KHz PRELIMINARY 3 10 Country 9. DC Resistance; $(1-3)=0.350\Omega$ MAX ADDED "G" of origin $(2-4)=0.400\Omega$ MAX TO P/N TO INDICATE UL $(9-7)=1.750\Omega$ MAX FAMILY CLASS. $(10-8)=1.750\Omega$ MAX 07/16/01 MP $(1-4):(10-7)=1:2.125\pm2\%$ 10. Turns Ratio; PRELIMINARY 4 2 & 3, and 8 & 9 shorted **CHANGED** 11. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec **DESCRIPTION** 07/20/01 MP B. Marking; TTC-4058G, TAMURA, date code and country of origin White dot "G" designates UL approved family classification indicates Pin 1 C. Safety; Complies with UL1950 3rd Edition, UL60950 D. Schematic: SEC PRI 17.75[0.699]MAX Line Side IC Side -0.89[0.035]TYP 0.86[0.034]TYF Ω 2 100Ω 22.1 3 8 2.50[0.098]TYP E. Mechanical Specifications; — 14.00[0.550]MAX - 14.00[0.550]MAX 12.70[0.500]MAX 0.40[0.016]TYP 17.80[0.699]MAX 0.70[0.028]TYP 10 1 2.50[0.098]TYP 9 2 14.00[0.550]MAX 3 8 7 PREPARED BY: 5 D. Rund **ENGINEER:** DWG CONTROL NO. REV **ADSL** P-A1-12528 TTC-4058 **TRANSFORMER** PR4 M. Pitchai ACAD\TTC\A1125281.DWG CONTENTS OF THIS DRAWING ARE TAMURA CORPORATION OF AMERICA SUBJECT TO CHANGE WITHOUT 43352 BIJSINFSS PARK DRIVE TEMECULA CA 92590_6624 QUALITY CONTROL: MODEL SPECIFICATION SUBJECT TO (43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 (909) 699-1270 FAX 9096769482 DIM: mm(In) SCL: 2/1 SH: 1 0F D. Kelley APPROVED: PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING. J. Coleman