REV. Status TELECOMMUNICATION LOW PROFILE SMD MODEM TRANSFORMER COMPATIBLE WITH V.90 TECHNOLOGIES FOR PCMCIA APPLICATION. NUMBER REVISION -08/12/02 MP A. Electrical specifications (@ 25°C) 1. Pri source impedance:  $600\Omega$ 2. Sec load impedance;  $287\Omega$ 3. Frequency response; ±0.25dB, 200Hz to 4KHz, 0dBm 4. Return loss; 20dB MIN @ 200Hz to 4KHz 5. Insertion loss; 3.85dB MAX @ 1KHz, 0dBm Block dot 6. Longitudinal balance; indicates 60dB MIN @ 200Hz to 4KHz pin 1 7. DC resistance; (1-2)=  $155\Omega \pm 15\%$ (3-4)=  $145\Omega \pm 15\%$ 8. Turns ratio;  $(1-2): (3-4) = 1: 1.00 \pm 2\%$ 9. Dielectric strength; 1875Vrms 1 second @ Pri to Sec 10. Total harmonic distortion; -82dB TYP @ 600Hz, -10dBm B. Marking; TTC-5021, TAMURA and date code C. Safety; Designed to meet UL1950 3rd Edition, UL60950, EN60950 D. Schematic diagram and mounting footprint; 21.30±0.25[0.839±0.010] o 3 2.00±0.25[0.079±0.010] 600Ω 287Ω .50±0.10[0.059±0.004] 5.08±0.25[0.200±0.010] Suggested Pad Layout E. Mechanical Specifications; All dimensions shown are nominal unless otherwise specified 16.30[0.642]MAX -8.50[0.335]MAX 5.08[0.200]MAX 0.70[0.028]MAX 20.90[0.823]REF 5.08[0.200]TYP PREPARED BY: D. Rund MODEL DESCRIPTION
TELECOMMUNICATION V.90 SMD MODEM **ENGINEER:** DRAWING CONTROL NO. MODEL SPECIFICATION P-A1-12599 TRANSFORMER M. Pitchai ACAD\TTC\A1125991.DWG TTC-5021 CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 QUALITY CONTROL: 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 (909) 699-1270 FAX 9096769482 DIM: mm(In) SCL: 4/1 SH: 1 OF 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