

REV. Status
REVISION - 12/02/03 YS
REVISION A ADDED RoHS & UPDATED LABELS 03/01/06 MP
REVISION B CHG TUV FILE # WAS 810/89 (EN60950 & VDE 0551). CLARIFIED PIN OUTS 04/23/07 YS
REVISION C UPDATE LOGO'S TO STD IED. Dielectric Withstand WAS Hi-Pot 3500. Volt Reg WAS 23%. 4-30-08 EB
REVISION D UPDATED SAFETY 09/29/11 MP

THREE FLANGE DUAL PRIMARY 30VA PC BOARD POWER TRANSFORMER

A. Electrical Specifications (@ 25 °C)

1. Maximum Power: 30VA
2. Primary Voltage and Frequency: 115/230VAC 50/60Hz
3. Secondary RMS Rating: See Table A
4. Voltage Regulation: 19% TYP @ full load to no load
5. Temperature Rise: 55°C TYP (70°C MAX).
6. Insulation Resistance:
100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core
100MΩ MIN @ 500VDC, Sec to Core
7. Dielectric Withstand: 3750Vrms 1 minute @ Pri to Sec
1500 Vrms 1 minute @ Pri to Core
1500 Vrms 1 minute @ Sec to Core



MODEL NUMBER

PL30-XX-130B

B. Marking: TAMURA, MICROTRAN, part number (see sheet 2), date code, country of origin, safety logos and input and output ratings

C. Safety:

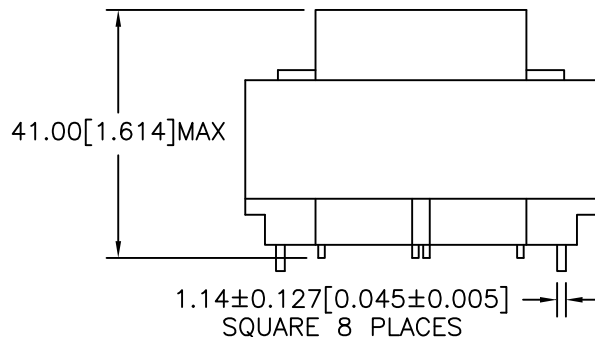
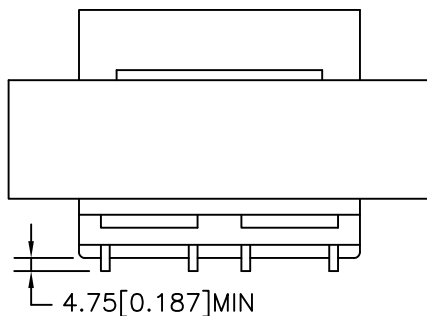
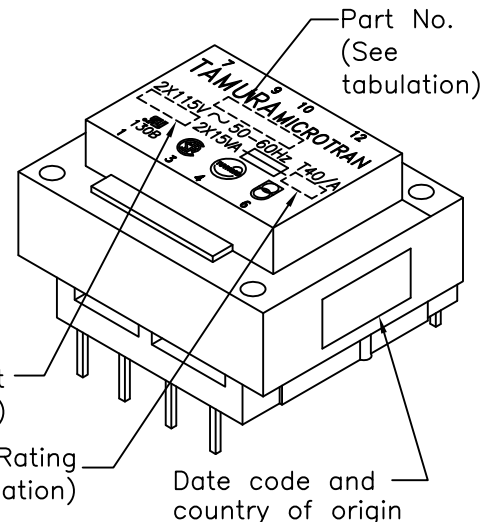
Conforms to construction requirement of:
UL5085-1, -2; CSA No. 66.1, 66.2
(from Datecode 1143 and onwards).
UL506, UL1411
UL1446(CLASS 130(B))
EN61558-1, -2-6



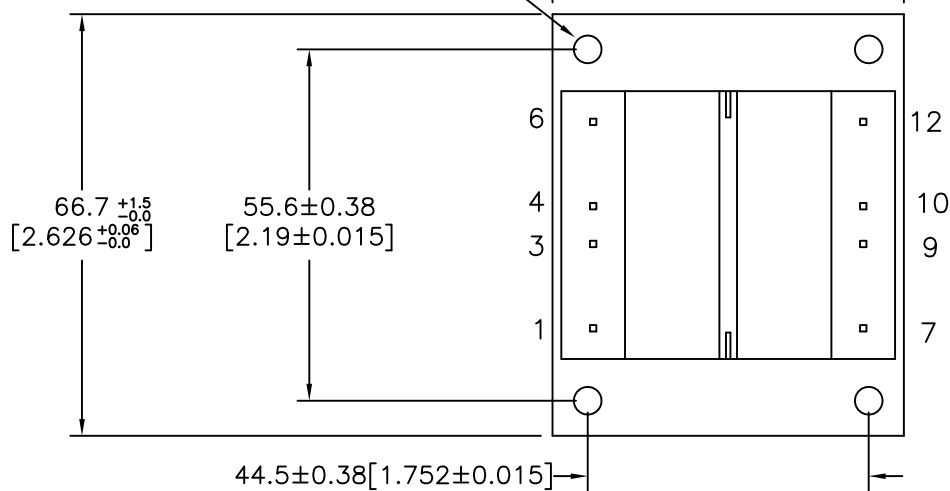
Safety certificate file reference:
UL E138028, E79781, E92957
CSA 175561

TUV (P.S.) 20650818

D. Mechanical Specifications:



Clearance holes for 4-40
(M3) MS $\varnothing 2.87[0.13]$ MIN
4 Places



TOLERANCES (mm)
$\leq 4 \pm 0.2$
$4 \leq 20 \pm 0.3$
$20 \leq 50 \pm 0.4$

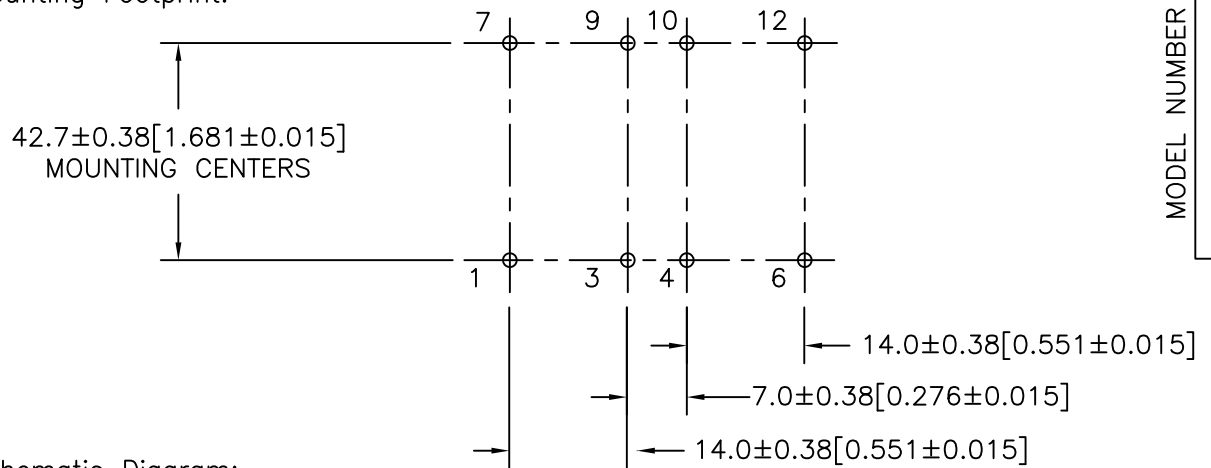
PREPARED BY:

C POPPE

NOTE: BOARD WASHING IS NOT RECOMMENDED FOR THESE PARTS.

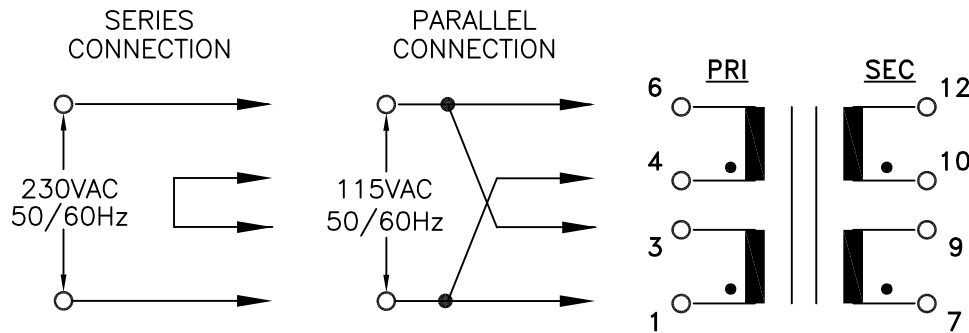
ENGINEER:	DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
M PITCHAI	P-A1-12261	D	POWER TRANSFORMER	PL30-XX-130B
SAFETY ENGINEER	ACAD/MXFMR/A1122611.DWG			
B OCONNELL	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536	DIM: mm[In] SCL: 1/1 SH: 1 OF 2
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.			
P BRUNE				

E. Mounting Footprint:

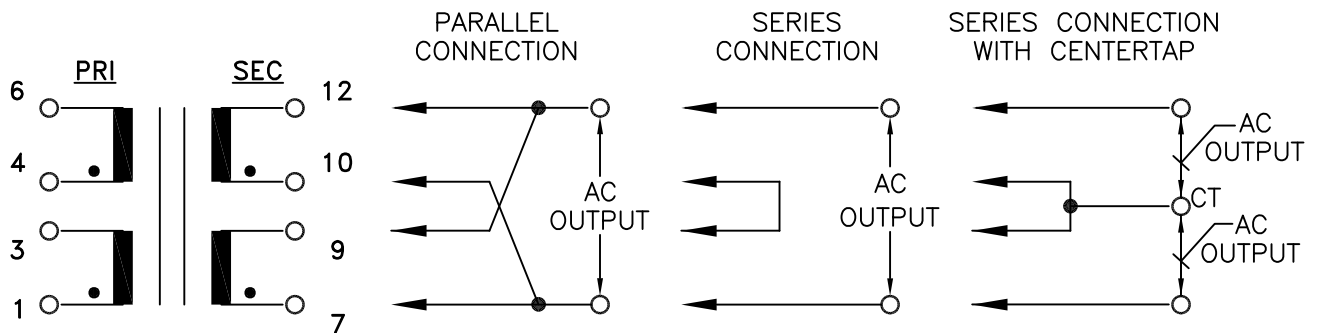


F. Schematic Diagram:

PRIMARY INPUT CONNECTIONS



SECONDARY OUTPUT CONNECTIONS



G. Table A:

T= Time lag

PART NO.	PARALLEL		SERIES		SERIES WITH CT		OUTPUT	SECONDARY FUSE REQ'D EA. WINDING
	AC VOLTS	RMS AMPS	AC VOLTS	RMS AMPS	AC VOLTS	RMS AMPS		
PL30-10-130B	5.0	6.00	10.0	3.00	5.0-CT-5.0	3.00	2X5.0V	T 3.15A
PL30-12-130B	6.3	4.80	12.6	2.40	6.3-CT-6.3	2.40	2X6.3V	T 2.50A
PL30-16-130B	8.0	3.80	16.0	1.90	8.0-CT-8.0	1.90	2X8.0V	T 2.00A
PL30-20-130B	10.0	3.00	20.0	1.50	10.0-CT-10.0	1.50	2X10.0V	T 1.60A
PL30-24-130B	12.0	2.50	24.0	1.25	12.0-CT-12.0	1.25	2X12.0V	T 1.25A
PL30-28-130B	14.0	2.12	28.0	1.06	14.0-CT-14.0	1.06	2X14.0V	T 1.25A
PL30-36-130B	18.0	1.64	36.0	0.82	18.0-CT-18.0	0.82	2X18.0V	T 1.00A

PREPARED BY:

C POPPE

ENGINEER:

M PITCHAI

SAFETY ENGINEER

B OCONNELL

APPROVED:

P BRUNE

DRAWING CONTROL NO.
P-A1-12261
ACAD/MXFMR/A1122612.DWG

REV
D

MODEL DESCRIPTION
POWER
TRANSFORMER

TAMURA CORPORATION OF AMERICA
1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029
(951) 699-1270 FAX 7607400536

MODEL SPECIFICATION

PL30-XX-130B

DIM: mm[In] SCL: 1/1 SH: 2 OF 2

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