THE DATASHEET OF

PL30-20-130B

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
REVISION E SAFETY NOTES ADDED 03/20/13 MP
REVISION F CHANGED PHONE# 01/16/20 MP

THREE FLANGE DUAL PRIMARY 30VA PC BOARD POWER TRANSFORMER

MODEL NUMBER PL30–XX–130B

RoHS COMPLIANT

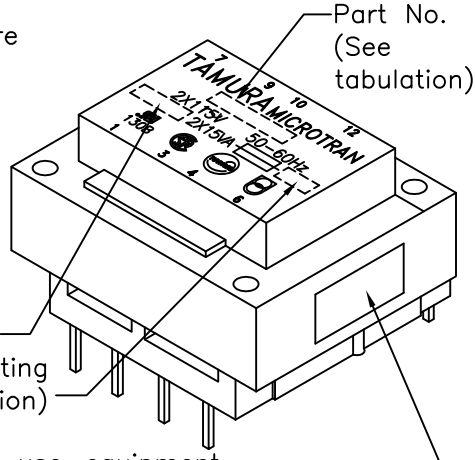
A. Electrical Specifications (@ 25 °C)
1. Maximum Power: 30VA
2. Primary Voltage and Frequency: 115/230VAC 50/60Hz
3. Secondary RMS Rating: See Table A
4. Voltage Regulation: 19% TYP @ full load to no load
5. Temperature Rise(normal op. cond.): 55°C TYP (70°C MAX).
6. A 10% Input Voltage change will proportionally affect transformer sec voltage. The max. allowed wdg temp under abnormal condition is 155°C
7. Insulation Resistance: 100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core, Sec to Core
8. Dielectric Withstand: 3750Vrms 1 minute @ Pri to Sec
1500Vrms 1 minute @ Pri to Core, Sec to Core

B. Marking: includes input and output ratings (per sheet 2),

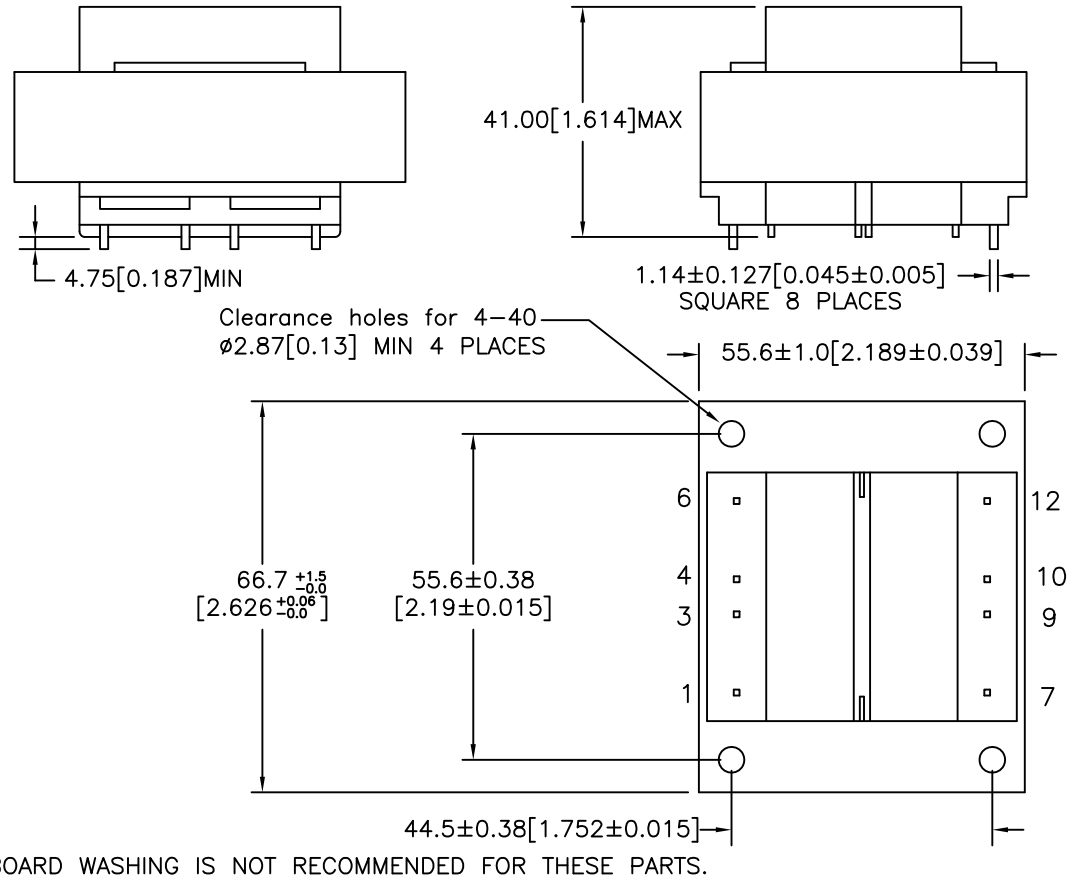
C. Safety:
Conforms to construction requirement of:
UL5085–1, –2; CSA No. 66.1, 66.2
(from Datecode 1143 and onwards).
UL506, UL1411
UL1446(CLASS 130(B))
EN61558–1, –2–6

Safety cerificate file reference:
UL E138028, E79781, E92957
CSA 175561
TUV (P.S.) 4478013415698

Non short–circuit proof safety isolating transformer.
Intended for mounting on PCBs and for building into end use–equipment.
Not intended for series/parallel connection with other transformers.



D. Mechanical Specifications:



NOTE: BOARD WASHING IS NOT RECOMMENDED FOR THESE PARTS.

TOLERANCES (mm)
≦ 4 ± 0.2
4 ≦ 20 ± 0.3
20 ≦ 50 ± 0.4

PREPARED BY: C. POPPE

ENGINEER: M. PITCHAI

SAFETY ENGINEER

APPROVED: M. PITCHAI

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P–A1–12261	F	POWER TRANSFORMER	PL30–XX–130B

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TAMURA CORPORATION OF AMERICA
1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029
(760) 871–2009

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REV. Status
REVISION –

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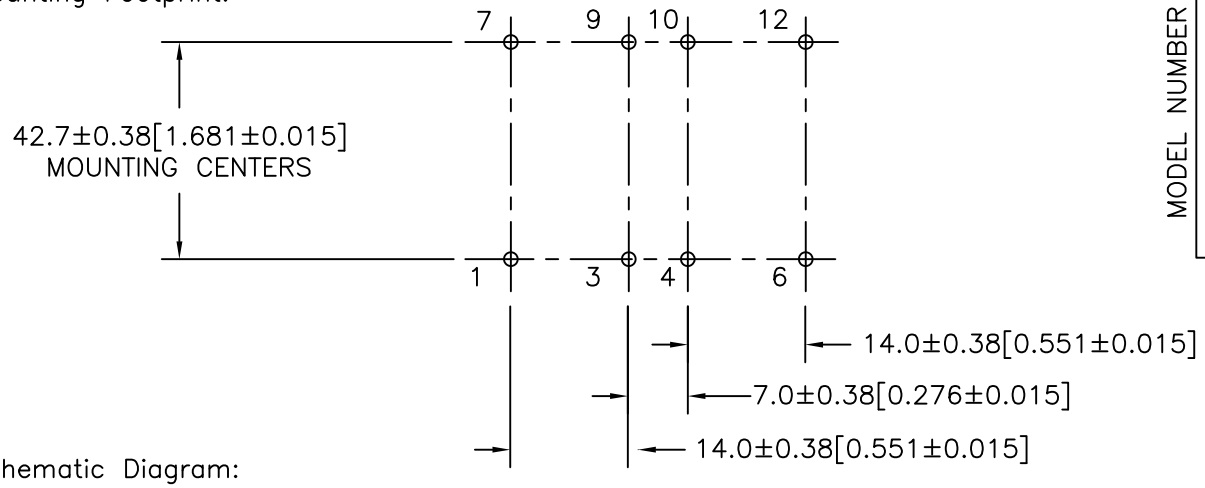
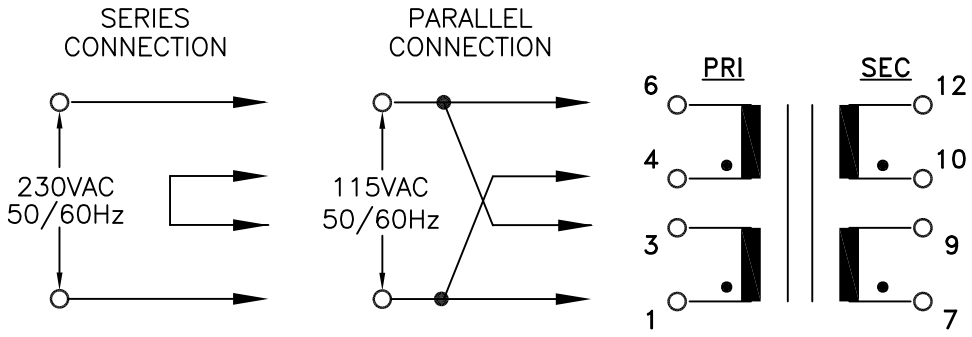
E. Mounting Footprint:

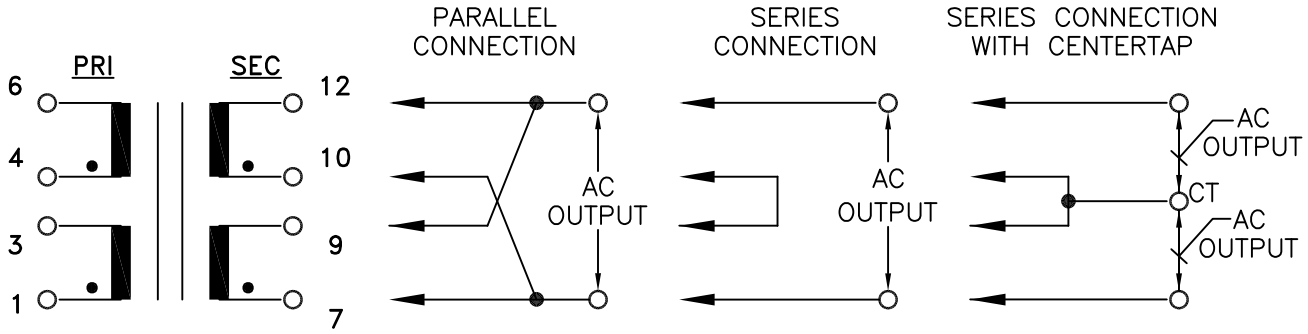


F. Schematic Diagram:

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
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APPROVED: M. PITCHAI

DRAWING CONTROL NO. P-A1-12261 | REV F

MODEL DESCRIPTION: POWER TRANSFORMER

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