

REV. Status

REVISION -
02/04/03 YSREVISION A
ADDED RoHS &
UPDATED LABELS
DELETED CSA#
LR69223
02/27/06 MPREVISION B
CHG TUV FILE #
WAS 810/89
(EN60950 & VDE
0551). CLARIFIED
PIN OUTS
04/19/07 YSREVISION C
UPDATE LOGO'S
TO STD IED.
Dielectric
Withstand WAS
Hi-Pot 3500.
4-30-08 EBREVISION D
MOUNTING
NOTE ADDED
09/28/11 MPREVISION E
UPDATE SAFETY
09/29/11 MP

THREE FLANGE DUAL PRIMARY 20VA PC BOARD POWER TRANSFORMER

A. Electrical Specifications (@ 25°C)

1. Maximum Power: 20VA
2. Primary Voltage and Frequency: 115/230VAC 50/60Hz
3. Secondary RMS Rating: See Table A
4. Voltage Regulation: 18% TYP @ full load to no load
5. Temperature Rise: 45°C TYP (60° 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

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

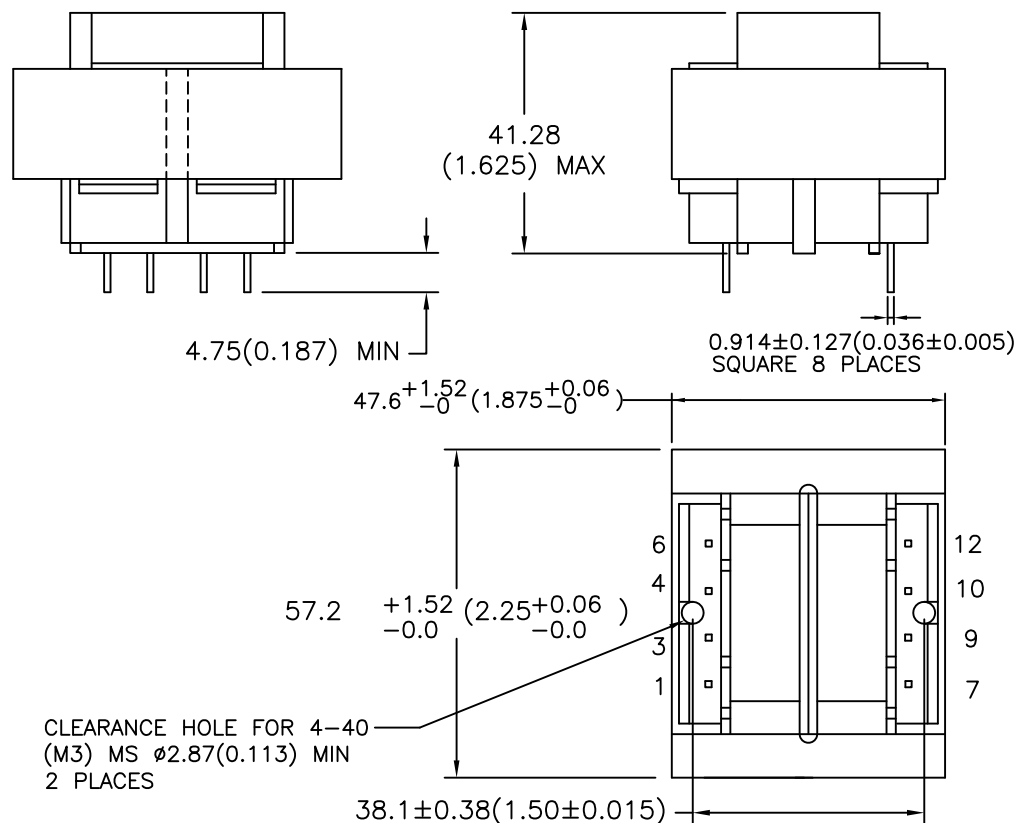
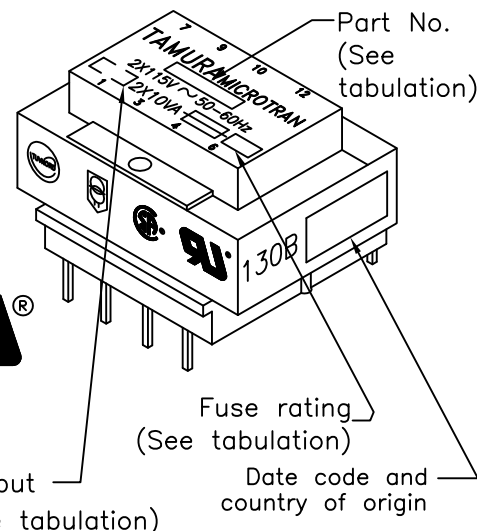
Mounting hardware may reduce spacing
in end use application.

D. Mechanical Specifications:



MODEL NUMBER

PL20-XX-130B



TOLERANCES (mm)

≤ 4 ± 0.2
4 ≤ 20 ± 0.3
20 ≤ 50 ± 0.4

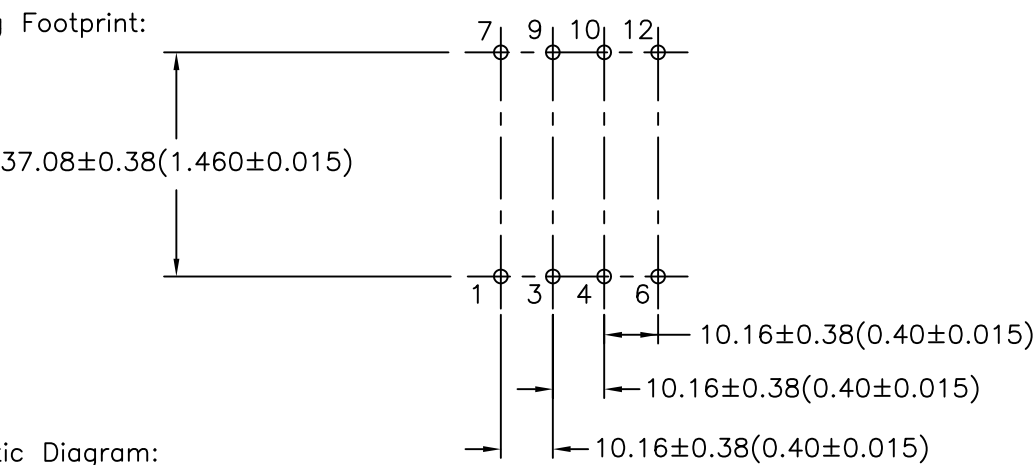
PREPARED BY:

C.POPPE

NOTE: BOARD WASHING IS NOT RECOMMENDED FOR THESE PARTS

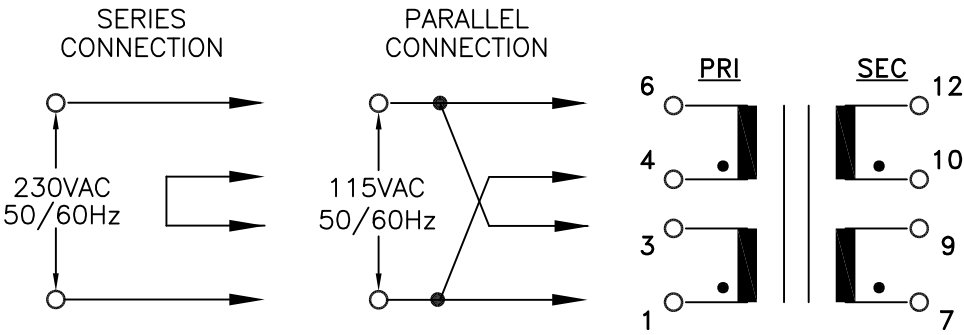
ENGINEER:	DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
M. PITCHAI	P-A1-12260	E	POWER TRANSFORMER	PL20-XX-130B
SAFETY ENGINEER	ACAD/MXFMR/A1122601.DWG			
B. OCONNELL	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN 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:

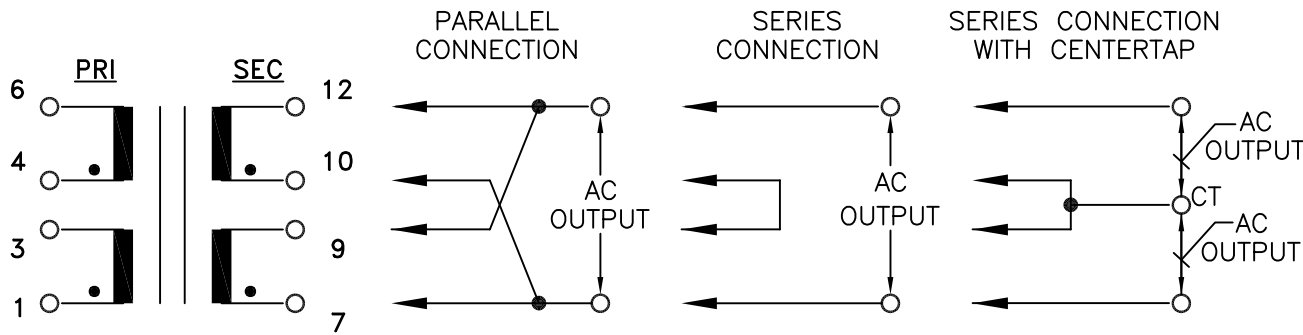


F. Schematic Diagram:

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		
PL20-10-130B	5.0	4.00	10.0	2.00	5.0-CT-5.0	2.00	2X5.0V	T 2.00A
PL20-12-130B	6.3	3.20	12.6	1.60	6.3-CT-6.3	1.60	2X6.3V	T 1.60A
PL20-16-130B	8.0	2.50	16.0	1.25	8.0-CT-8.0	1.25	2X8.0V	T 1.25A
PL20-20-130B	10.0	2.00	20.0	1.00	10.0-CT-10.0	1.00	2X10.0V	T 1.00A
PL20-24-130B	12.0	1.66	24.0	0.83	12.0-CT-12.0	0.83	2X12.0V	T 1.00A
PL20-28-130B	14.0	1.44	28.0	0.72	14.0-CT-14.0	0.72	2X14.0V	T 0.80A
PL20-36-130B	18.0	1.12	36.0	0.56	18.0-CT-18.0	0.56	2X18.0V	T 0.63A

PREPARED BY:

C. POPPE

ENGINEER:

M. PITCHAI

SAFETY ENGINEER

B. O'CONNELL

APPROVED:

P. BRUNE

DRAWING CONTROL NO.
P-A1-12260
ACAD/MXFMR/A1122602.DWG

REV
E

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

MODEL SPECIFICATION
PL20-XX-130B

DIM: mm[In] SCL: NONE SH: 2 OF 2

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