

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 MPREVISION F
SAFETY NOTES
ADDED
03/20/13 MP

TOLERANCES (mm)

 $\leq 4 \pm 0.2$
 $4 \leq 20 \pm 0.3$
 $20 \leq 50 \pm 0.4$

PREPARED BY:

M. PITCHAI

ENGINEER:

M. PITCHAI

SAFETY ENGINEER

B. OCONNELL

APPROVED:

P. BRUNE

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(normal op. condition): 45°C TYP (60° 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 certificate file reference:

UL E138028, E79781, E92957

CSA 175561

TUV (P.S.) 4478013415698

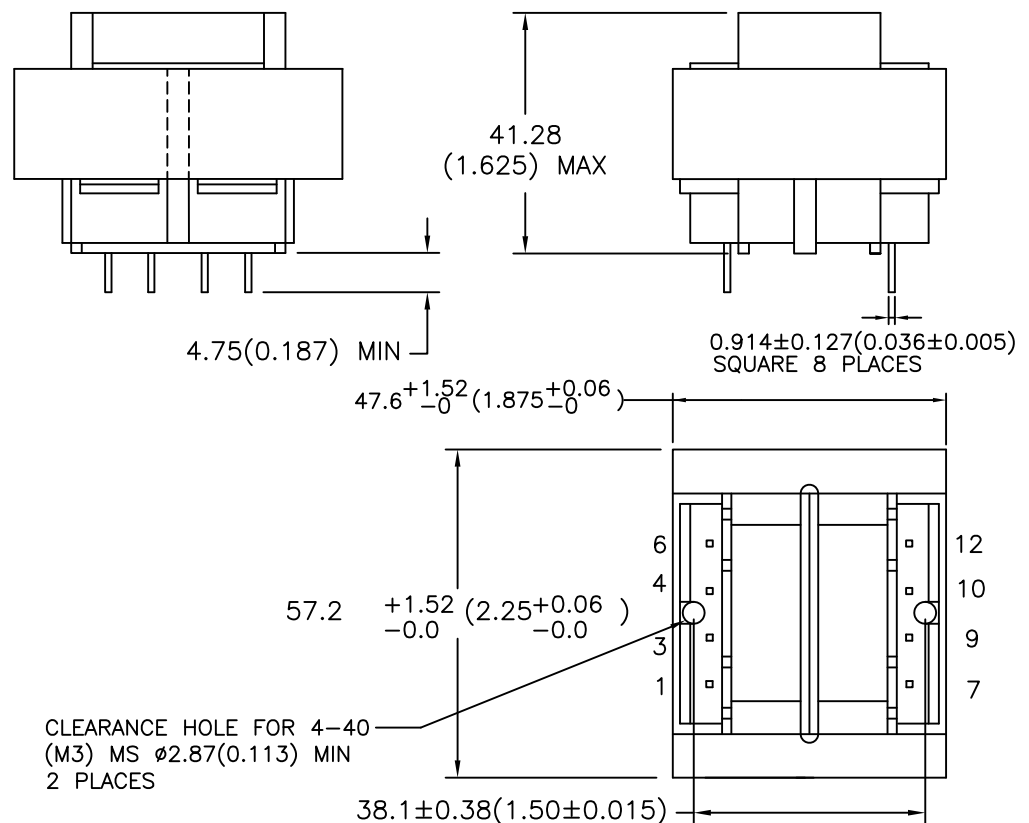
Non short-circuit proof safety isolating transformer.

Intended for mounting on PCBs and for building into end use-equipment.

Not intended for series/parallel connection with other transformers.

Mounting hardware may reduce spacing in end use application.

D. Mechanical Specifications:



NOTE: BOARD WASHING IS NOT RECOMMENDED FOR THESE PARTS

DRAWING CONTROL NO.
P-A1-12260
ACAD/MXFMR/A1122601.DWGREV
FMODEL DESCRIPTION
POWER
TRANSFORMER

MODEL SPECIFICATION

PL20-XX-130B

CONTENTS OF THIS DRAWING ARE
SUBJECT TO CHANGE WITHOUT
PRIOR NOTICETAMURA CORPORATION OF AMERICA
1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029
(951) 699-1270 FAX 7607400536

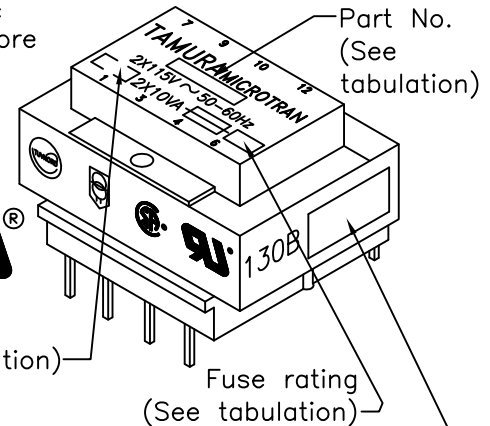
DIM: mm[In] SCL: 1/1 SH: 1 OF 2

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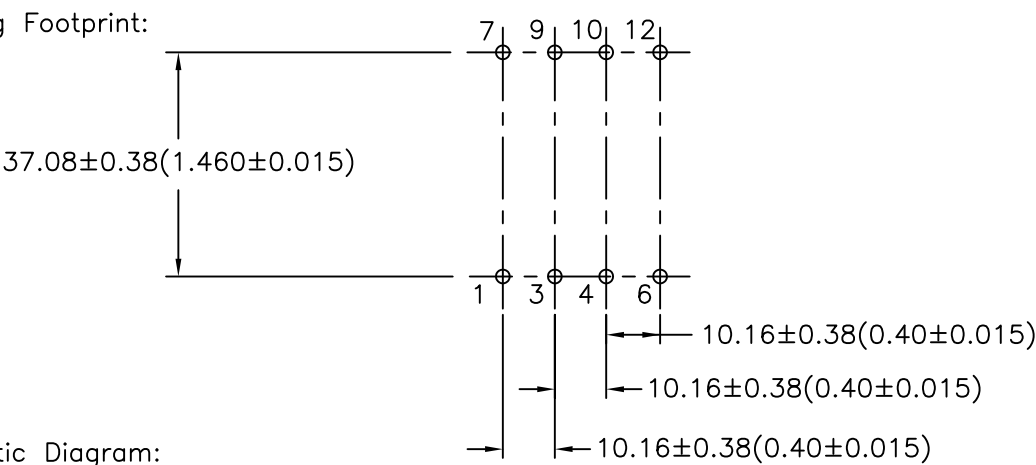
RoHS
COMPLIANT

MODEL NUMBER

PL20-XX-130B

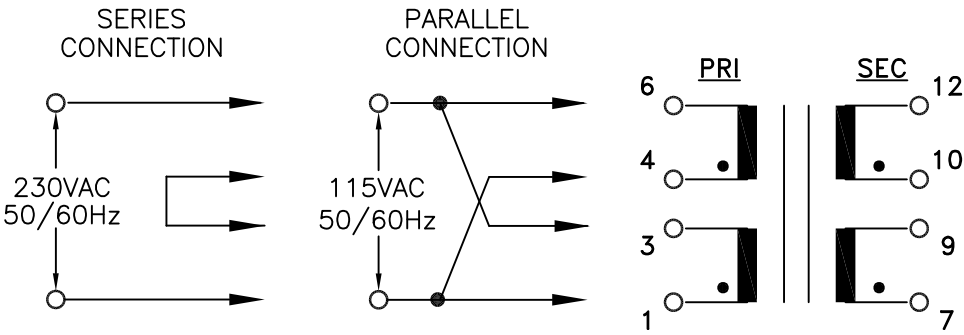


E. Mounting Footprint:

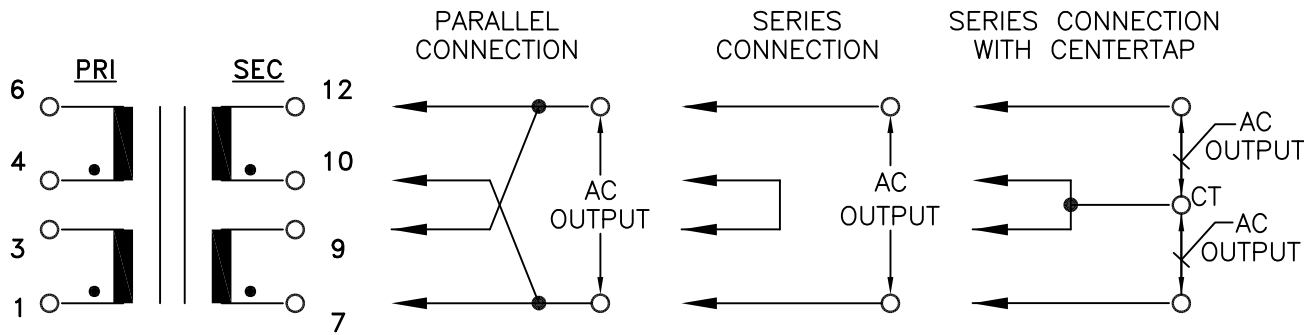


F. Schematic Diagram:

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

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P-A1-12260
ACAD/MXFMR/A1122602.DWG

REV
F

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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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