



THREE FLANGE DUAL PRIMARY 56VA PC BOARD POWER TRANSFORMER

A. Electrical Specifications (@ 25°C)

1. Maximum Power: 56VA
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: 70°C TYP
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
EN61558-1, -2-6
UL1446 (CLASS 130 (B))

Safety certificate file reference:

UL E138028, E79781, E92957
CSA 175561

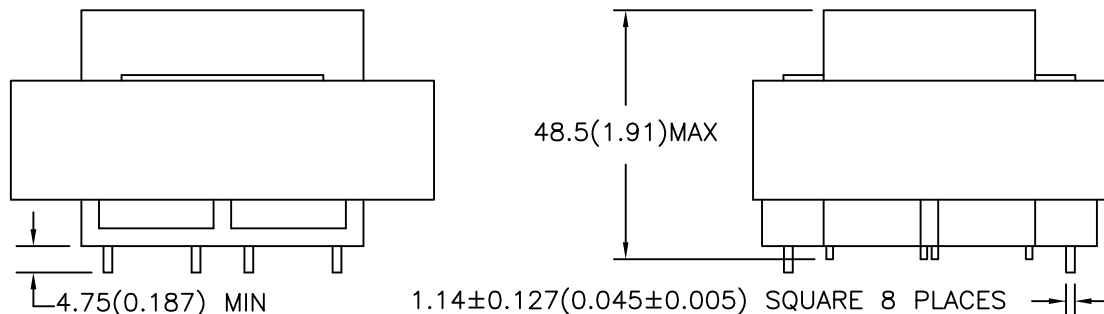
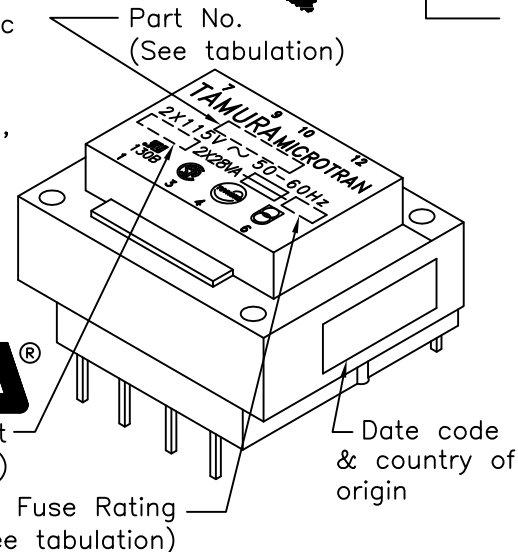
TUV (P.S.) 20650818

D. Mechanical Specifications:

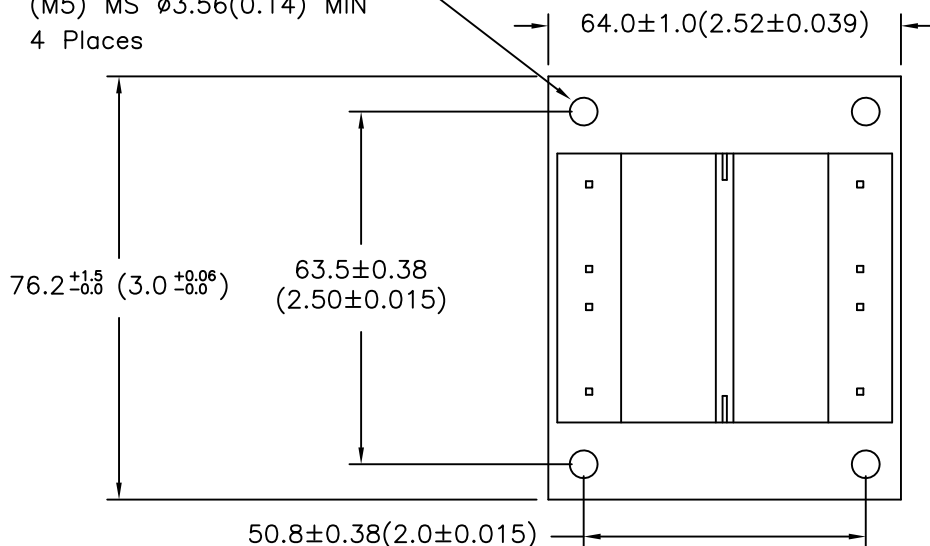


MODEL NUMBER

PL56-XX-130B



Clearance holes for 6-40
(M5) MS ø3.56(0.14) MIN
4 Places



NOTE: BOARD WASHING IS NOT RECOMMENDED FOR THESE PARTS.

REV. Status
REVISION - 06/11/03 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. 12/3/08 EB
REVISION D UPDATE LOGO'S 12/3/09 EM
REVISION E UPDATE SAFETY 09/29/11 MP

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

PREPARED BY:
C. POPPE

ENGINEER:
M. PITCHAI

SAFETY ENGINEER
B.O'CONNELL

APPROVED:
P. BRUNE

DWG CONTROL NO.
P-A1-12262
ACAD\MXFMR\A1122621.DWG

REV
E

CONTENTS OF THIS DRAWING ARE
SUBJECT TO CHANGE WITHOUT
PRIOR NOTICE

POWER
TRANSFORMER

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

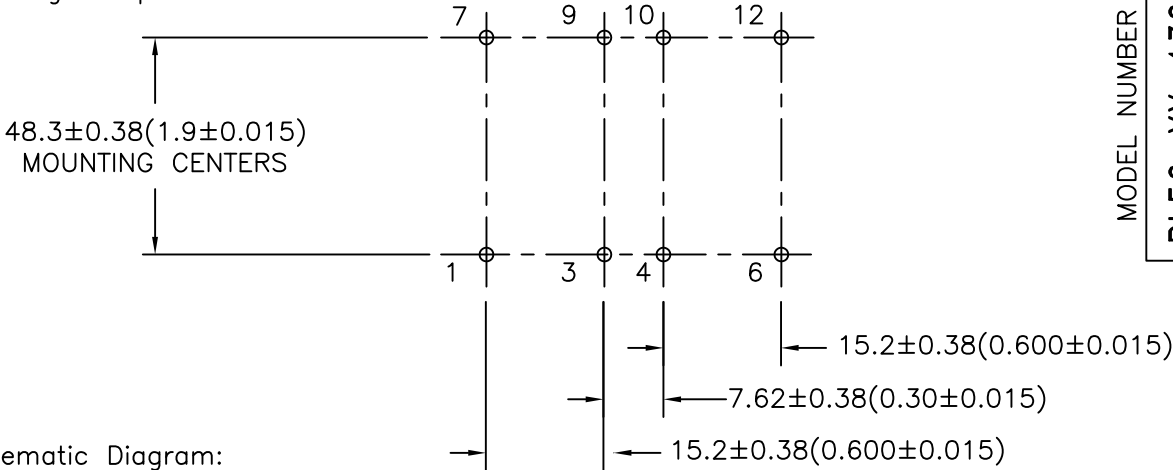
PL56-XX-130B

MODEL SPECIFICATION

DIM: mm(in) SCL: 1/1 SH: 1 OF 2

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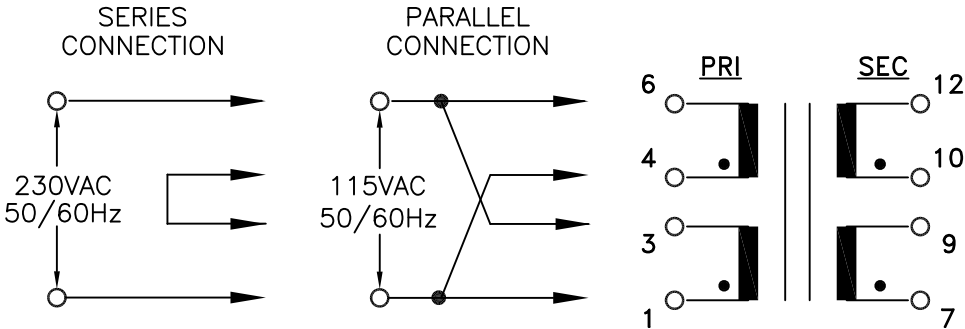
E. Mounting Footprint:



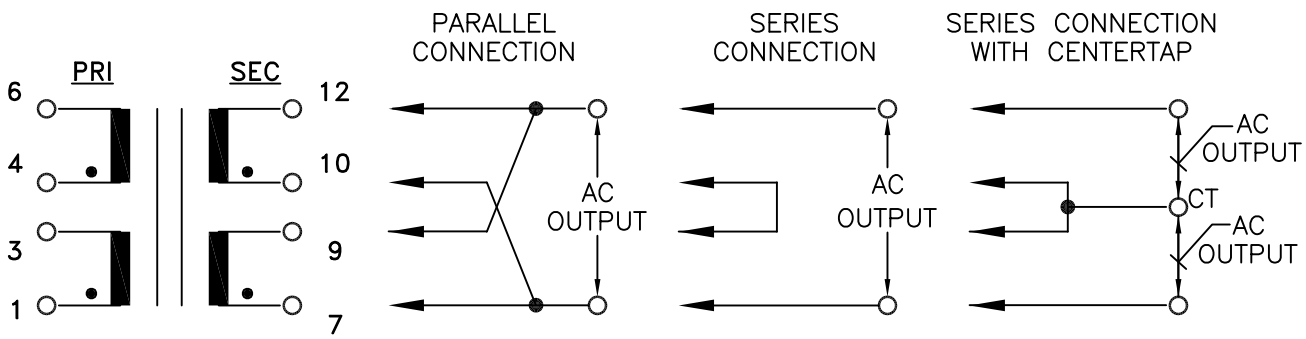
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F. Schematic Diagram:

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		
PL56-10-130B	5.0	11.20	10.0	5.60	5.0-CT-5.0	5.60	2X5.0V	T 6.30A
PL56-12-130B	6.3	8.80	12.6	4.40	6.3-CT-6.3	4.40	2X6.3V	T 5.00A
PL56-16-130B	8.0	7.00	16.0	3.50	8.0-CT-8.0	3.50	2X8.0V	T 4.00A
PL56-20-130B	10.0	5.60	20.0	2.80	10.0-CT-10.0	2.80	2X10.0V	T 3.15A
PL56-24-130B	12.0	4.66	24.0	2.33	12.0-CT-12.0	2.33	2X12.0V	T 2.50A
PL56-28-130B	14.0	4.00	28.0	2.00	14.0-CT-14.0	2.00	2X14.0V	T 2.00A
PL56-36-130B	18.0	3.12	36.0	1.56	18.0-CT-18.0	1.56	2X18.0V	T 1.60A

PREPARED BY:

C POPPE

ENGINEER:

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SAFETY ENGINEER

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APPROVED:

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DRAWING CONTROL NO.
P-A1-12262
ACAD/MXFM/R/A1122622.DWG

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

MODEL SPECIFICATION

PL56-XX-130B

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

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