

THREE FLANGE DUAL PRIMARY 5.0VA PC BOARD POWER TRANSFORMER

A. Electrical Specifications (@ 25°C)

1. Maximum Power; 5.0VA
2. Input Voltage and Frequency; 115/230V 50/60Hz
3. Voltage Regulation; 20% TYP @ full load to no load
4. Temperature Rise; 30°C TYP (45°C MAX allowed)
5. Insulation Resistance;
100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core, Sec to Core
6. Hi-Pot; 3500Vrms 1 minute @ Pri to Sec
1500Vrms 1 minute @ Pri to Core
1500Vrms 1 minute @ Sec to Core



MODEL NUMBER

PL5.0-XX-130B

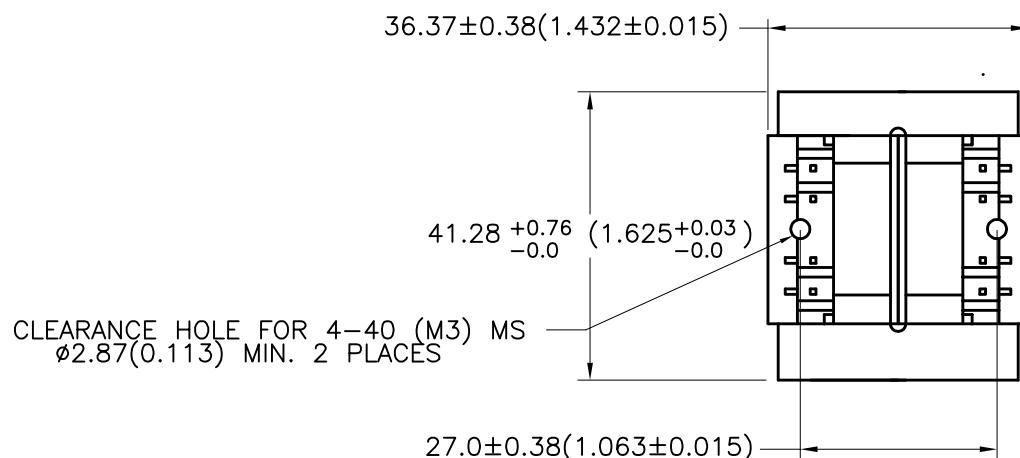
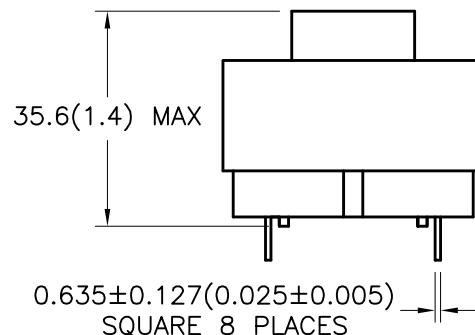
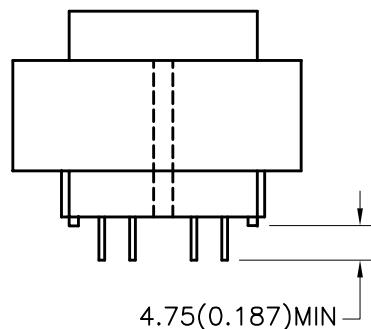
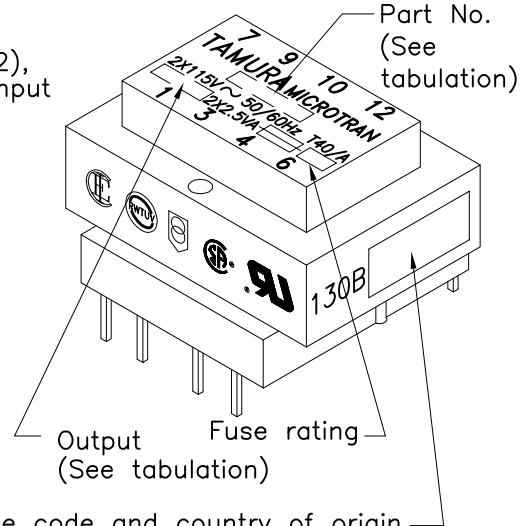
B. Marking; TAMURA, MICROTRAN, part number (see sheet 2), date code, country of origin, terminal numbers and input and output ratings (see sheet 2)

C. Safety:

CSA File Nos. LR69222 and LR69223
 UL 1411 File No. E138028 Construction only
 UL 506, General Purpose, File No. E79781.
 Insulation Class B (130°C) File No. E92957
 TUV File 810/89 (EN60950, and VDE 0551)
 94V-O Flammability



D. Mechanical Specifications:



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

PREPARED BY:

K. BRENNAN

ENGINEER:

M. PITCHAI

DWG CONTROL NO.

P-A1-12225
ACAD\MXFMR\A1122251.DWG

REV

D

POWER

TRANSFORMER

PL5.0-XX-130B

QUALITY CONTROL:

T. CLEM

CONTENTS OF THIS DRAWING ARE
SUBJECT TO CHANGE WITHOUT
PRIOR NOTICE

TAMURA CORPORATION OF AMERICA
 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
 (951) 699-1270 FAX 9516769482

MODEL SPECIFICATION

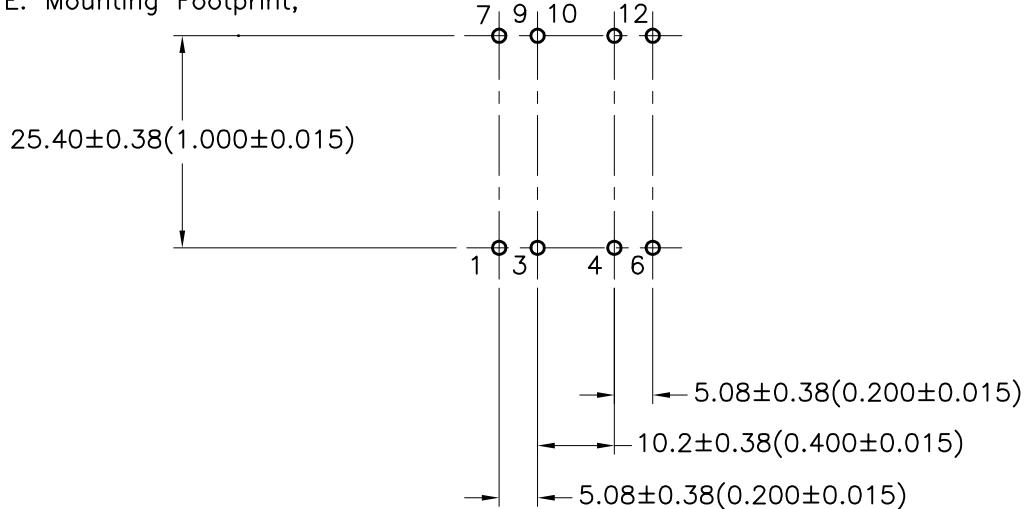
DIM: mm(in) SCL: 1/1 SH: 1 OF 2

APPROVED:

Y. SEKIGUCHI

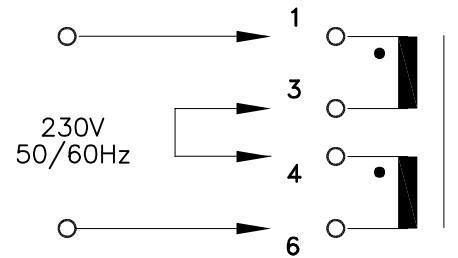
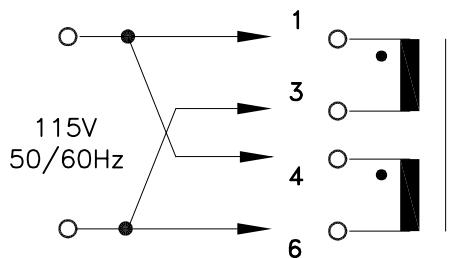
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E. Mounting Footprint:

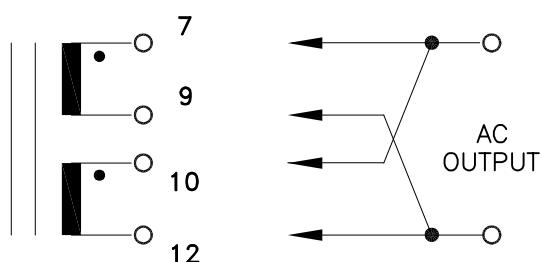


F. Schematic Diagram:

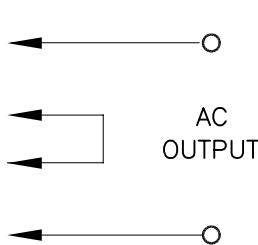
PRIMARY INPUT CONNECTIONS



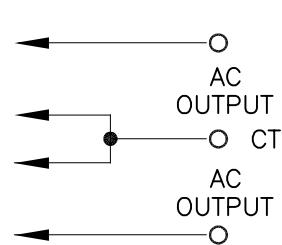
PARALLEL CONNECTION



SERIES CONNECTION



SERIES CONNECTION WITH CENTERTAP



| PART NO. | PARALLEL CONNECTION | | SERIES CONNECTION | | OUTPUT |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|------------|
| | AC VOLTS | RMS AMPS | AC VOLTS | RMS AMPS | |
| PL5.0-10-130B | 5.0 | 1.0 | 10.0CT | 0.5 | 2X5.0V |
| PL5.0-12-130B | 6.3 | 0.8 | 12.6CT | 0.4 | 2X6.3V |
| PL5.0-16-130B | 8.0 | 0.62 | 16.0CT | 0.31 | 2X8.0V |
| PL5.0-20-130B | 10.0 | 0.5 | 20.0CT | 0.25 | 2X10.0V |
| PL5.0-24-130B | 12.0 | 0.42 | 24.0CT | 0.21 | 2X12.0V |
| PL5.0-28-130B | 14.0 | 0.36 | 28.0CT | 0.18 | 2X14.0V |
| PL5.0-36-130B | 18.0 | 0.28 | 36.0CT | 0.14 | 2X18.0V |
| PREPARED BY: K. BRENNAN | DWG CONTROL NO. P-A1-12225 REV ACAD\MXFMR\A1122252.DWG | POWER TRANSFORMER | PL5.0-XX-130B | | |
| ENGINEER: M. PITCHAI | T. CLEM | QUALITY CONTROL: T. CLEM | TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 (951) 699-1270 FAX 9516769482 | | |
| APPROVED: Y. SEKIGUCHI | | | DIM: mm(in) | SCL: 1/1 | SH: 2 OF 2 |
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