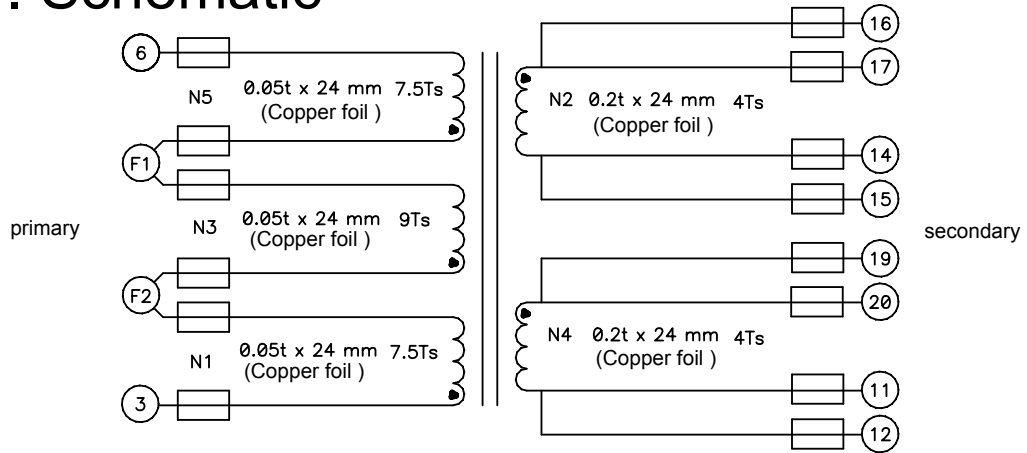
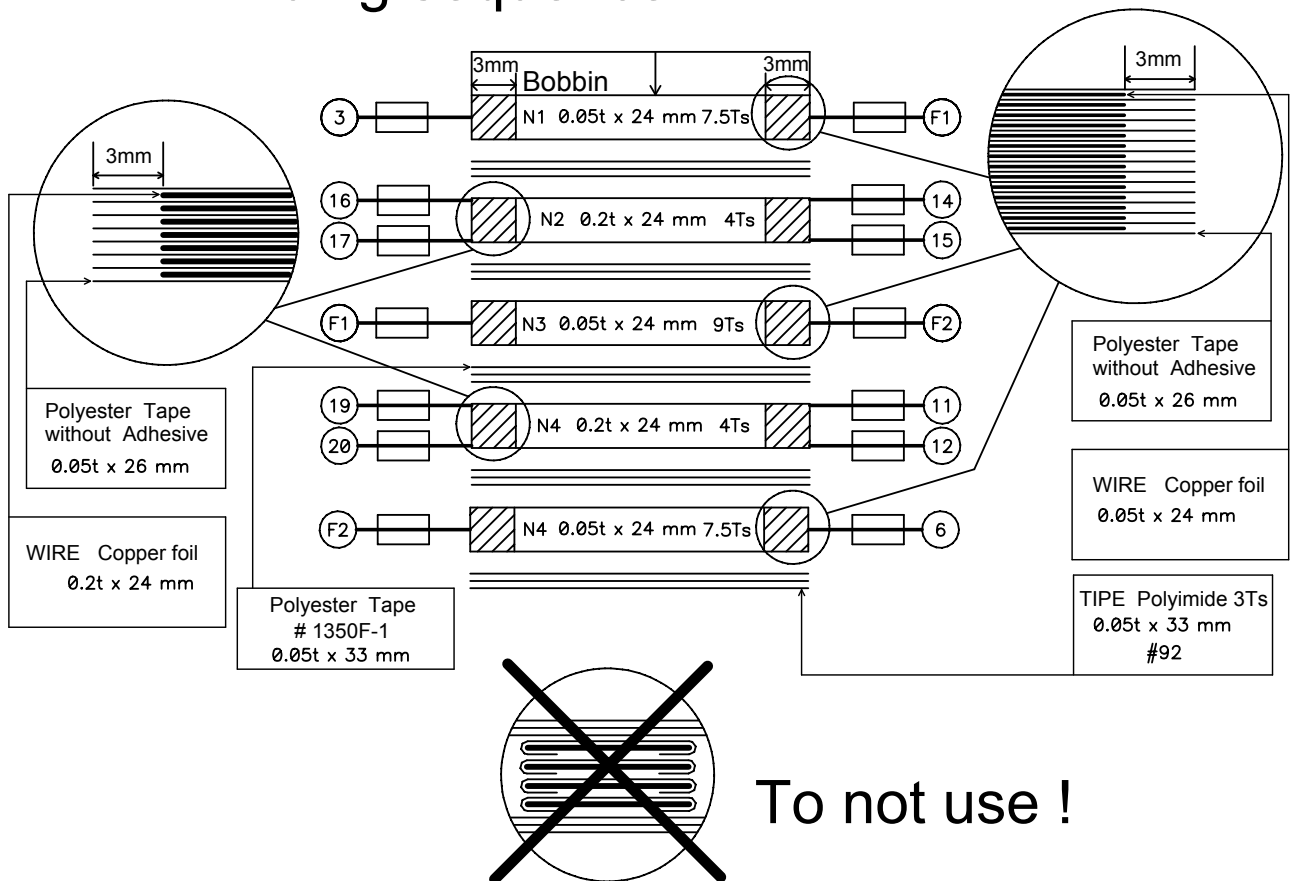


# Transformer construction PSA1600-TC-ETD

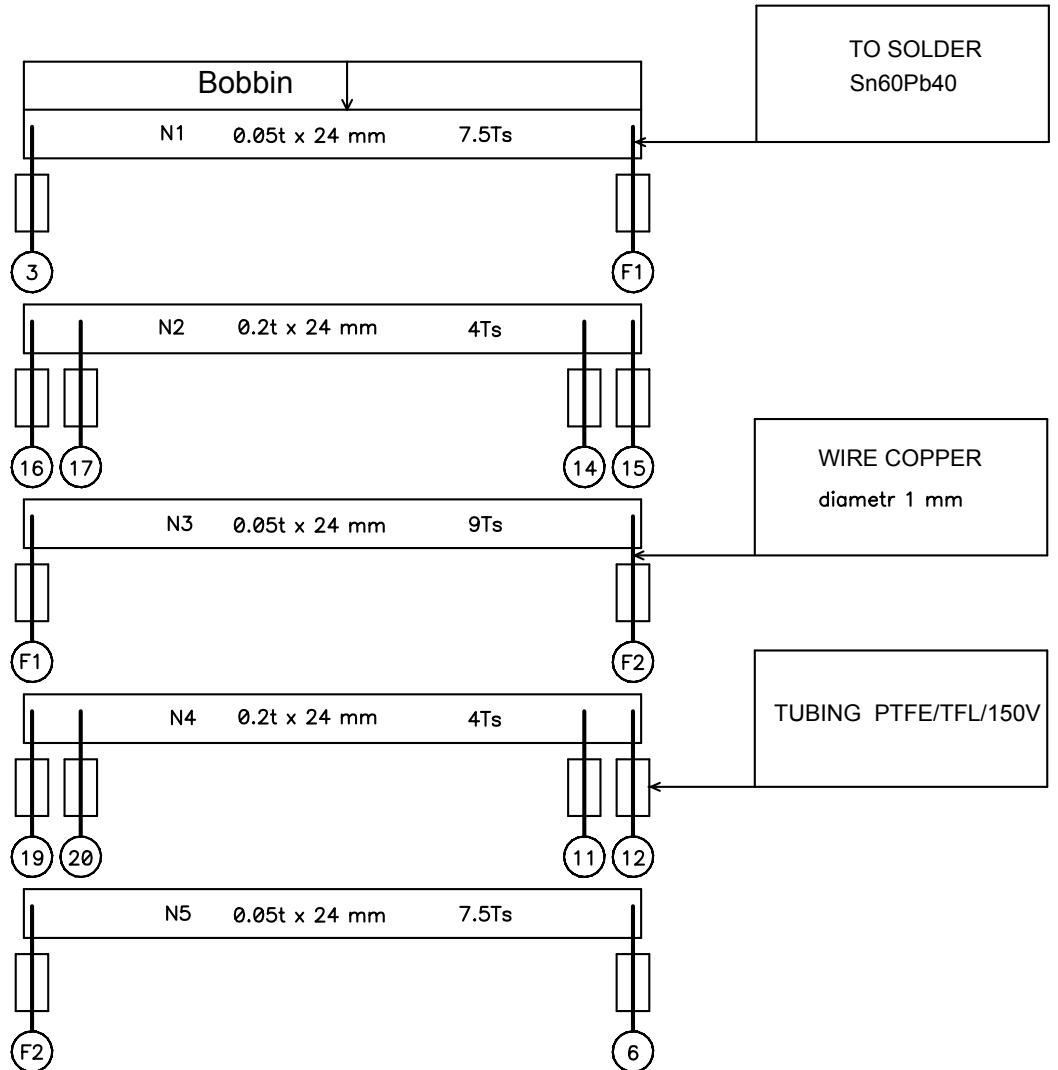
## 1. Schematic



## 2. Winding sequence



## 2.1. Winding sequence



# 3. MATERIAL LIST

## 3.1. Core

ETD-49 EPCOS B66367-G-X187 + B66367-G200-X187

Ferrits material: №87 EPCOS (airgap 0.2mm).

To make of cores B66367-G-X187 + B66367-G200-X187 for reception of an air gap 0.2mm.

## 3.2. Coil former

ETD-49 EPCOS B66368-B1020-T1 ETD-49 20 pins

Yoke (ordering code per piece, 2 are required) B66368-A2000

or

ETD-49 -1 Taiwan Shulin Enterprise Co Ltd. [www.bobbin.com.tw](http://www.bobbin.com.tw)

## 3.2. WIRE

WIRE Electrotechnical Copper foil (0.05t x 24mm)

WIRE Electrotechnical Copper foil (0.2t x 24mm)

WIRE Electrotechnical Copper diamert 1mm

## 3.3. TIPE

Polyester Tape 0.05t x 37 mm  
#1351-2 130 C

Minnesota mining & mfg.co (3M)  
UL NO.E17385

Polyimide Tape 0.05t x 37 mm  
#92 180 C.

Minnesota mining & mfg.co (3M)  
UL NO.E17385

Polyester Tape 0.05t x 37 mm  
without Adhesive  
temperature applications to 130 C

## 3.4. TUBING

TUBING PTFE/TFL/150V

Taiwan Golden Enterprise CO.,LTD.  
<http://www.twgold.com.tw/index.html>

## 3.5. VARNISH

Varnish V-1630FS

Underwood indastris of NEW YORK INC  
UL NO.E60614

## 3.6. SOLDER

Sn60Pb40

# 4. ELECTRICAL SPECIFICATION

Primary winding inductivity P3-P6 - 600uH.

Electrical strength - 3000VAC, 50 (60) Hz 1 minute / 5mA, from primary to secondary.

Minimal guaranteed spacing between primary and secondary wire 6mm.

