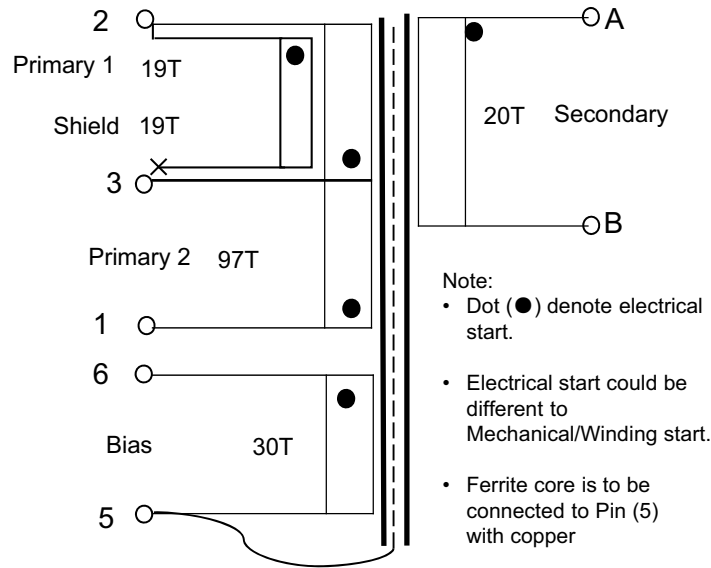


# 4. Transformer Design

## SCHEMATIC



## ELECTRICAL SPECIFICATIONS:

1. Primary Inductance (Lp) = 3.0mH @10KHz
2. Primary Leakage Inductance (Lk) <= 50uH @10KHz
3. Electrical Strength = 3KV, 50/60Hz, 1Min

## MATERIALS:

1. Core : RM6 (Ferrite Material TDK PC40 or equivalent)
2. Bobbin : RM6 Horizontal. Primary=3, Secondary=3
3. Magnet Wires (Pri) : Type 2-UEW
4. Magnet Wire (Sec) : Triple Insulated Wires
5. Layer Insulation Tape : 3M1298 or equivalent.

## FINISHED :

1. Cut remained of Pin after wires termination
2. Core is connected to PRI-GND pin5.
3. Varnish the complete assembly

