Transformer Construction(ICE3B0365JG V2.1)

Core and material : E16/8/5, N87(EPCOS)
Bobbin: Vertical Version
Primary Inductance, Lp=0.68mH +/-10% at 20kHz, measured between pin 4 and pin 1 (Gapped to Inductance)

Aug. 28, 2013
Used for NG750W Power Board (Second prototype)

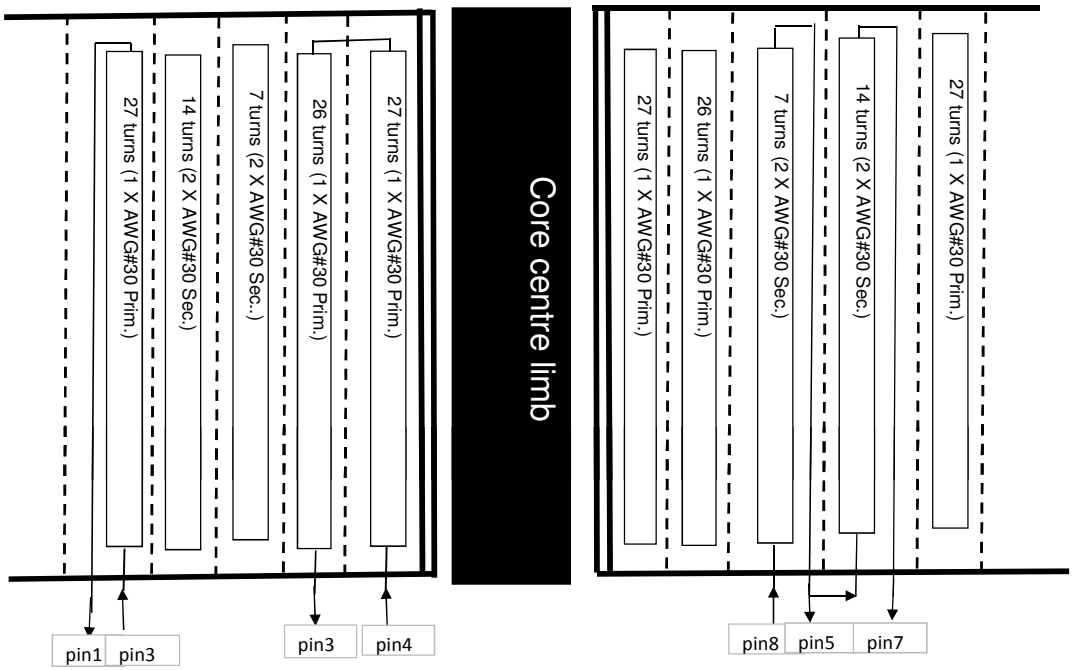
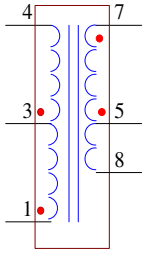


Figure A – Transformer structure



Wire size requirement :

Start	Stop	No. of turns	Wire size	Layer
4	3	53	1XAWG#30	2/3 Primary
8	5	7	2XAWG#30	Secondary1
5	7	14	2XAWG#30	Secondary2
3	1	27	1XAWG#30	1/3 Primary

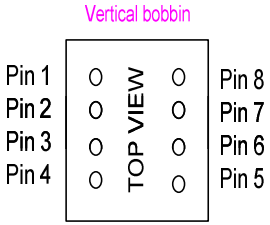


Figure B – Transformer complete – top view