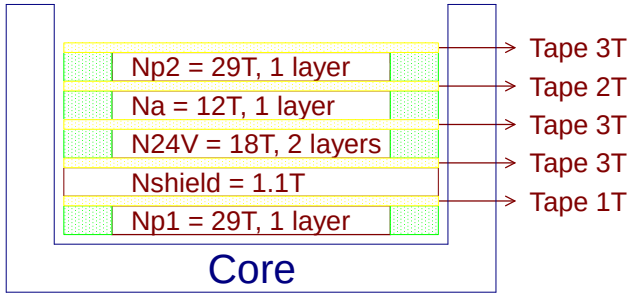
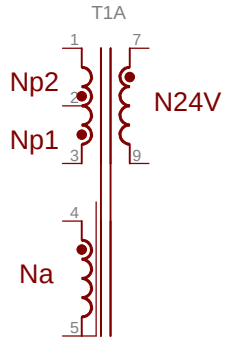
Required Components

Core: EE25/13/7
Material: N87 or equivalent
Ae = 52.5mm2
GAP = Center Leg, Symmetric
Bobbin: 5+5 pins, Horizontal
Insulation Tape: Polyester 0.025mm - 3M 1550 or equiv.

Winding Stackup



Schematic



Winding Specifications

					Barrier Tape	
Winding	Pins (S->F)	Wire (AWG)	Turns	Type	Left	Right
Np1	3-->2	1x AWG28	29T	Center Solenoid	2.5mm	2.5mm
Nshield	5-->open	Copper tape 0.25x14.5mm	1.1T	Center Solenoid	-----	-----
N24V	7-->9	3x AWG29	18T	Center Solenoid	3.0mm	3.0mm
Na	4-->5	2x AWG29	12T	Spaced	3.0mm	3.0mm
Np2	2-->1	1x AWG28	29T	Center Solenoid	2.5mm	2.5mm

Electrical Specifications

Winding	Pins	Spec	Conditions
Inductance	3-->1	508uH +/- 5%	1KHz, 1V - all secondaries opened.
Leakage	3-->1	< 7uH	100KHz, 1V - all secondaries shorted.

This is a proposal design and some component´s value may change according to the tests and requirements.

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