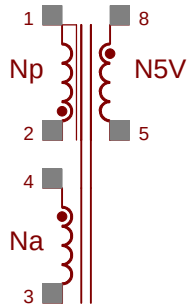
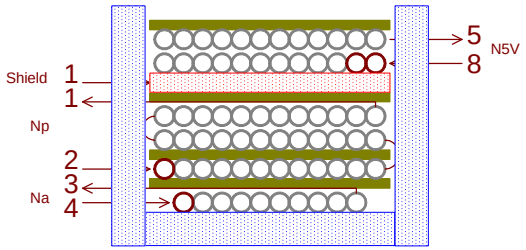
Required Components

Core: EE16/8/5
Material: N87 or equivalent
Ae = 20.1mm2
Gap: Center leg - symmetric
Bobbin: 4+4 pins Hor.

Schematic



Winding Stackup



Winding Specifications

Winding	Pins	Wire (AWG)	Turns	Insulation (Ts)
Na	4 - 3	1x #34	23	2
Np	2 - 1	1x #34	46	1
			46	0
			44	2
Shield	1 - Open	Winding 1x #34	Full layer	2
N5V	8 - 5	2x TEX-E, wire Ø 0.37mm	8	3

Electrical Specifications

Winding	Pins	Spec	Conditions
Inductance	2 - 1	1800uH +/- 5%	1KHz, 1V - all secondaries opened.
Leakage	2 - 1	<30uH	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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