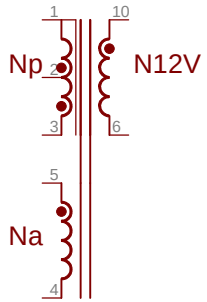
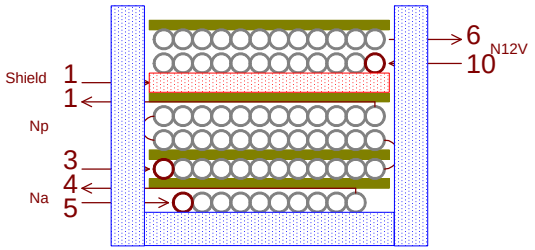
Required Components

Core: EE19/8/5
Material: N87 or equivalent
Ae = 22.5mm2
Gap: Center leg - symmetric
Bobbin: 5+5 pins Hor.

Schematic



Winding Stackup



Winding Specifications

Winding	Pins	Wire (AWG)	Turns	Insulation (Ts)
Na	5 - 4	1x #33	20	2
Np	3 - 1	1x #33	53	1
			53	0
			53	2
Shield	1 - Open	Winding 1x #33	Full layer	2
N12V	10 - 6	1x TEX-E, wire Ø 0.5mm	16	3

Electrical Specifications

Winding	Pins	Spec	Conditions
Inductance	3 - 1	1750uH +/- 5%	1KHz, 1V - all secondaries opened.
Leakage	3 - 1	<30uH	100KHz, 1V - all secondaries shorted.

Transformer 12V 1A Rev01
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