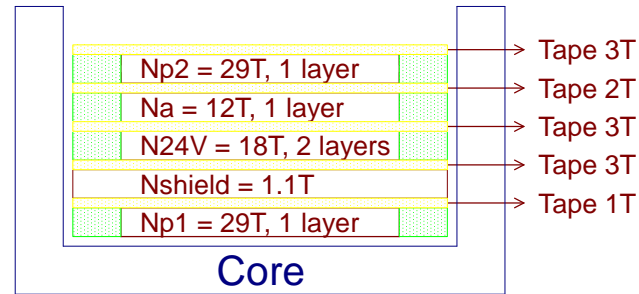


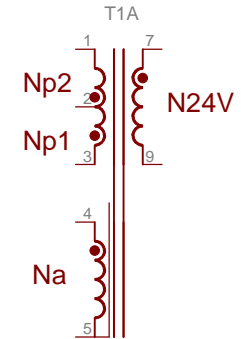
## Required Components

Core: EE25/13/7  
 Material: N87 or equivalent  
 Ae = 52.5mm<sup>2</sup>  
 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.

STMicroelectronics and or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. STMicroelectronics and or its licensors do not warrant that this phases design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. STMicroelectronics and or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.



Transformer 20W Rev00

2/19/2015 8:52:36 PM

Sheet: 1/1

REV01