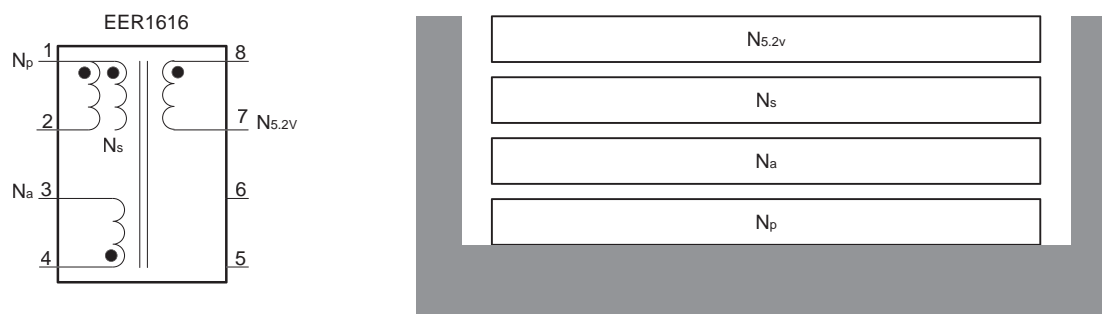


2. Transformer

2.1. Transformer Schematic Diagram



2.2. Winding Specification

	Pin (S → F)	Wire	Turns	Winding Method
N_p	1 → 2	0.16Φ x 1	99	Solenoid winding
Insulation: Polyester Tape t = 0.025mm, 2 Layers				
N_a	3 → 4	0.16Φ x 1	18	Center Solenoid winding (not used)
Insulation: Polyester Tape t = 0.025mm, 2 Layers				
N_s	1 → open	0.16Φ x 1	50	Solenoid winding
Insulation: Polyester Tape t = 0.025mm, 3 Layers				
$N_{5.2V}$	8 → 7	0.4Φ x 1	9	Solenoid winding
Insulation: Polyester Tape t = 0.025mm, 3 Layers				

Core: EER1616 ($A_e = 96\text{mm}^2$)

Bobbin: EER1616(H)

2.3. Electrical Characteristics

	Pin	Spec.	Remark
Inductance	1-2	1.6 mH	1kHz, 1V
Leakage	1-2	50 μH	Short all other pins

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