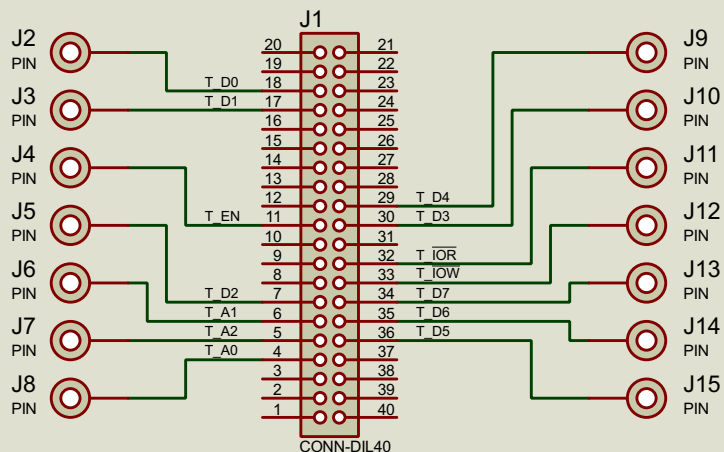


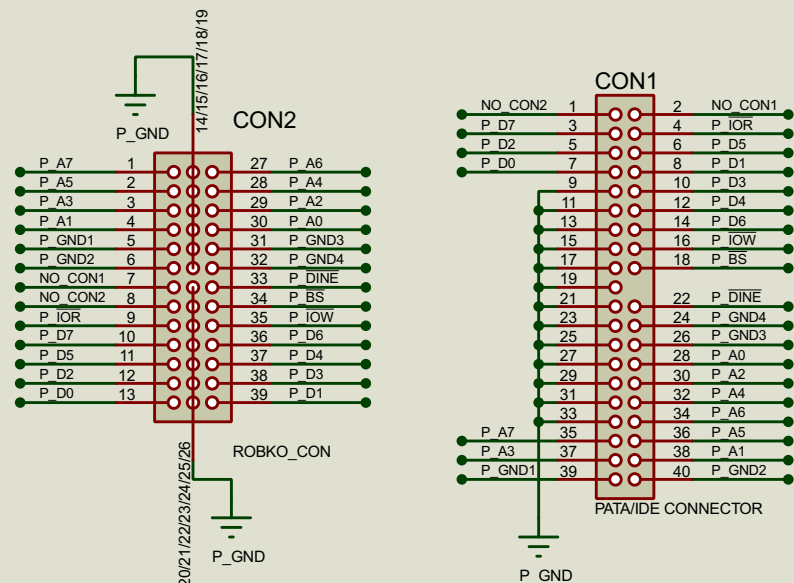
Board 1 - development connector

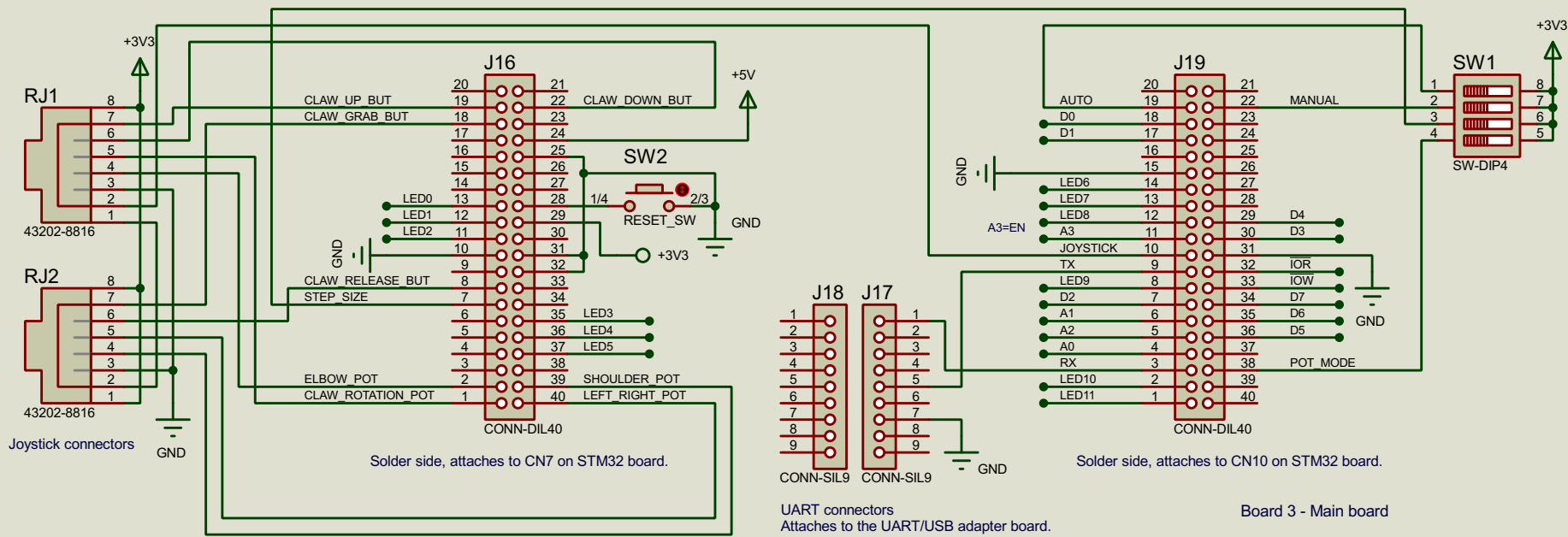
Connects only the essential signals.
A4-7 are connected to pull up/down resistors separately.
Attaches directly to CN10 on the STM32 board.
The wires from the original ROBKO-01 cable are soldered to J2-15.
The cable plugs into port B on ROBKO-01.
Used for early tests.



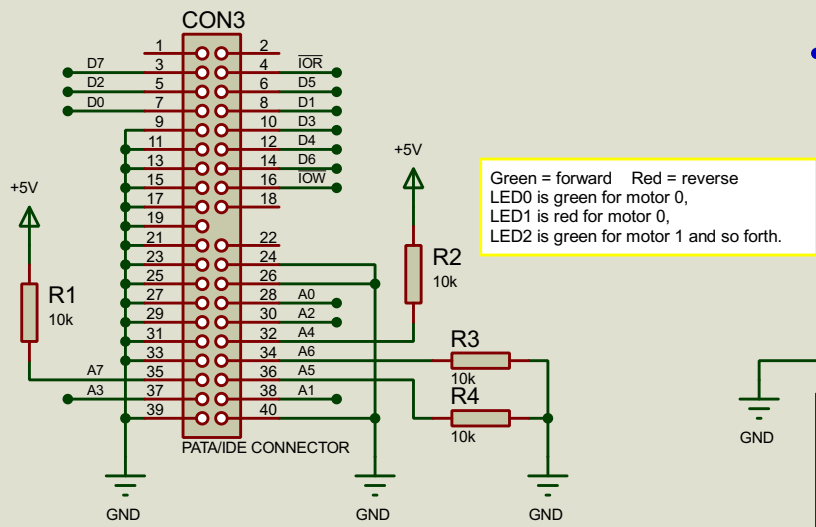
Board 2 - ROBKO/PATA adapter

Double-sided board. Plugs into port B on ROBKO-01.
Connects the PATA ribbon cable from the main board to ROBKO-01.
Can also be used for ROBKO-01's I/O port A.

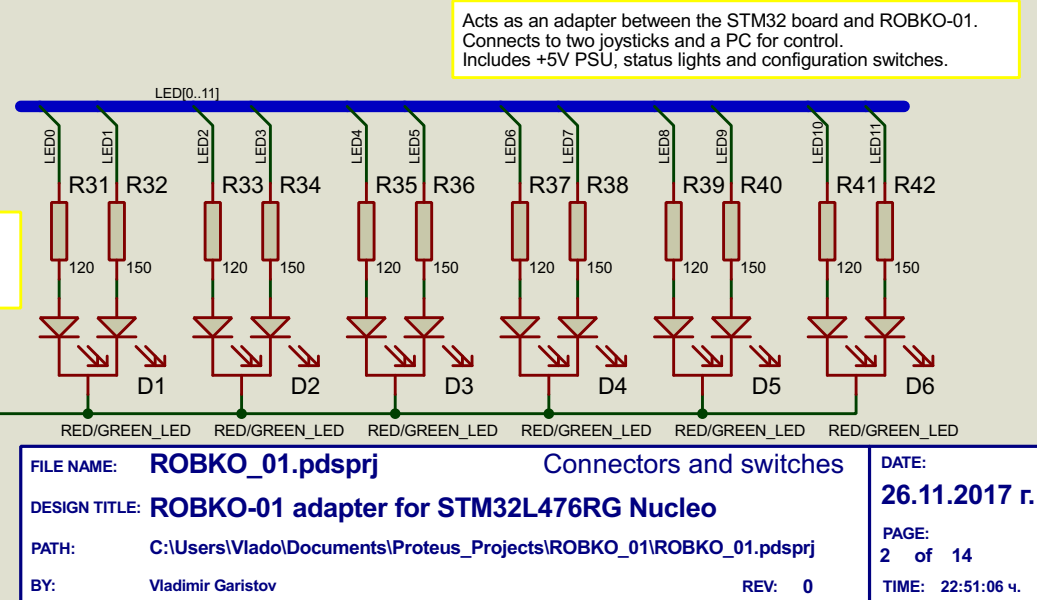




Connector for PATA ribbon cable to ROBKO-01.

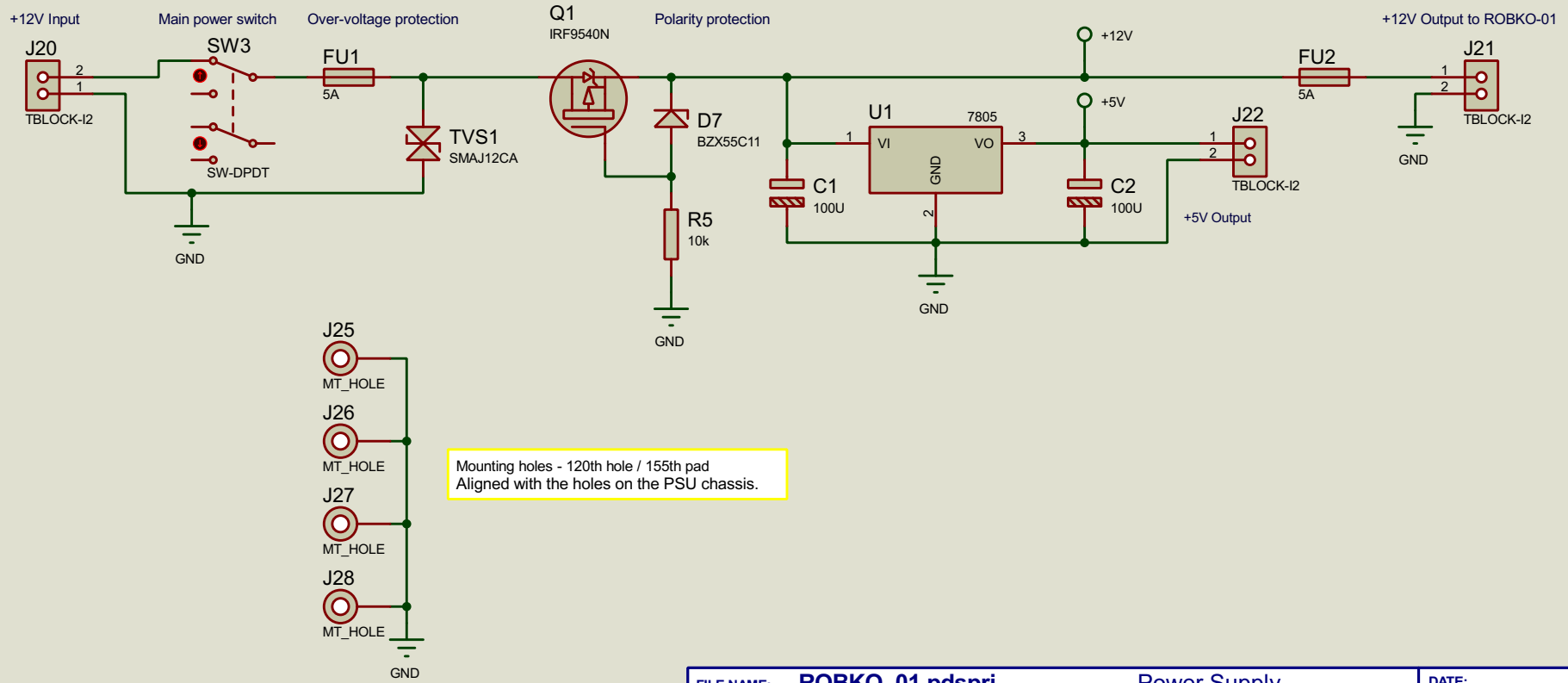


Green = forward Red = reverse
LED0 is green for motor 0,
LED1 is red for motor 0,
LED2 is green for motor 1 and so forth.

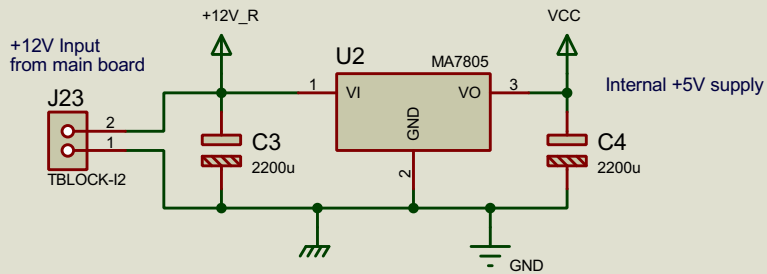
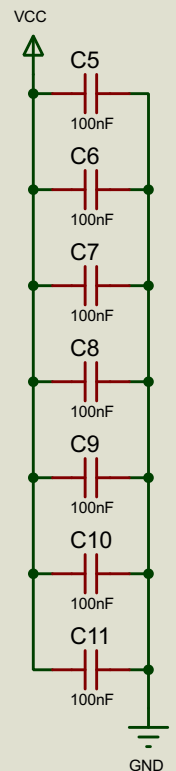
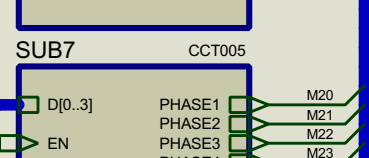
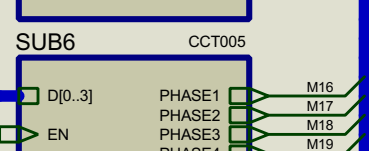
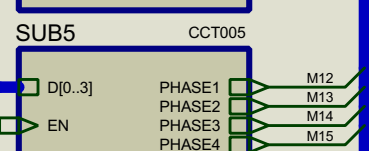
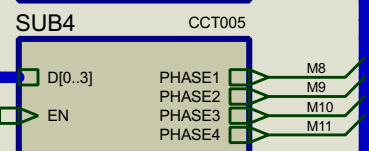
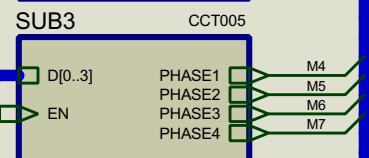
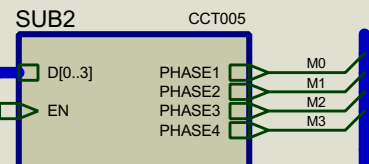
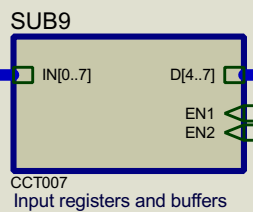
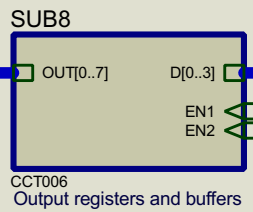
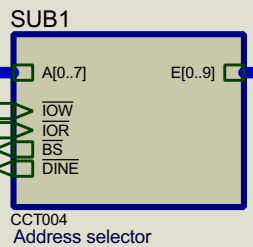
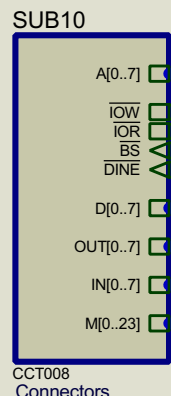


Power supply section of main board

The minimum voltage to turn on the circuit is between 10,4V and 11,6V.
The overvoltage protection engages between 13,3V and 14,7V.
Both fuses are time-lag.
They trip after 150ms to 5s at 20A current.



FILE NAME:	ROBKO_01.pdsprj	Power Supply	DATE:
DESIGN TITLE:	ROBKO-01 adapter for STM32L476RG Nucleo		26.11.2017 г.
PATH:	C:\Users\Vladol\Documents\Proteus_Projects\ROBKO_01\ROBKO_01.pdsprj		PAGE:
BY:	Vladimir Garistov	REV: 0	3 of 14
			TIME: 22:51:06 ч.

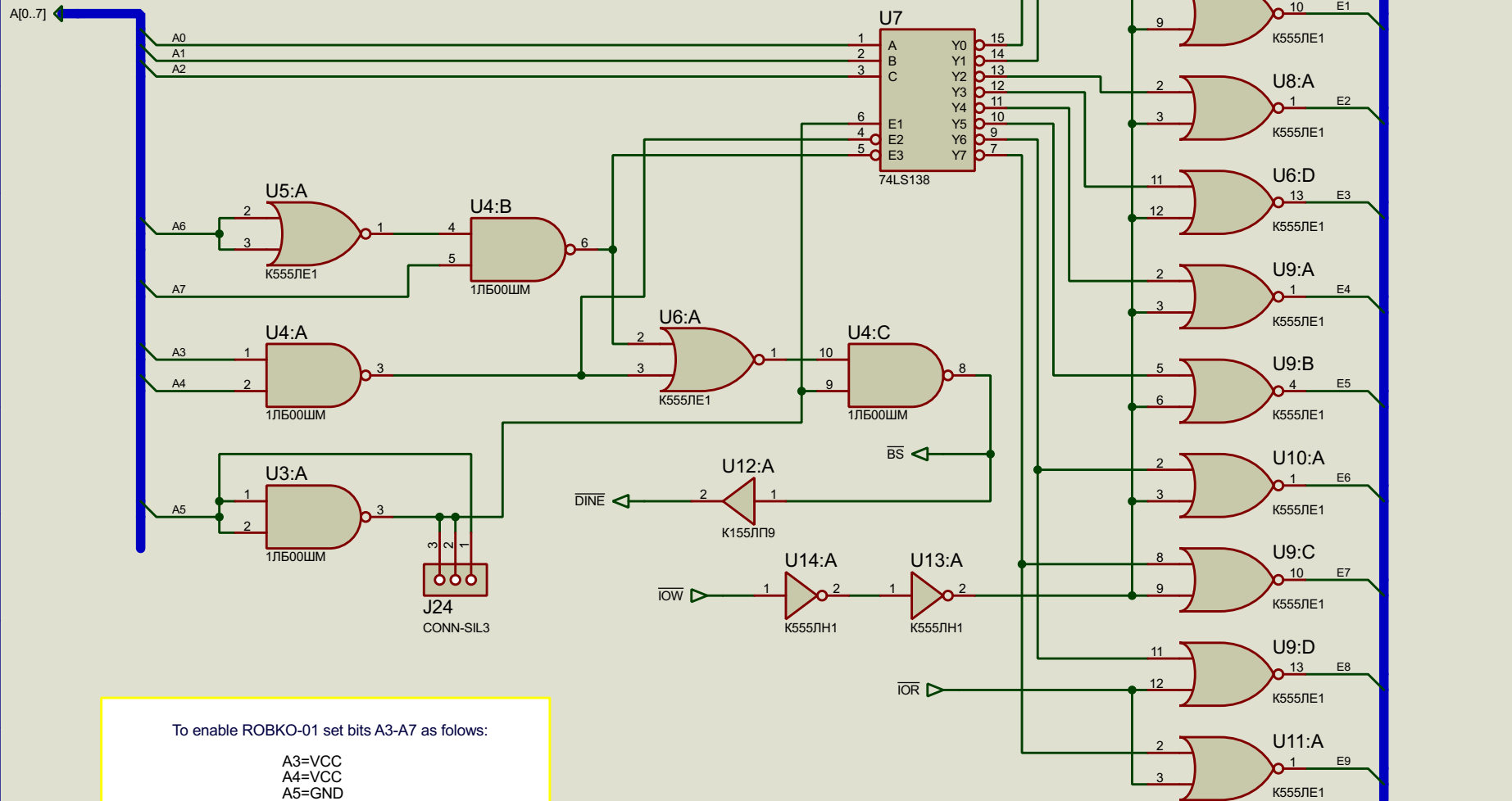


Only the black base of ROBKO-01 is grounded

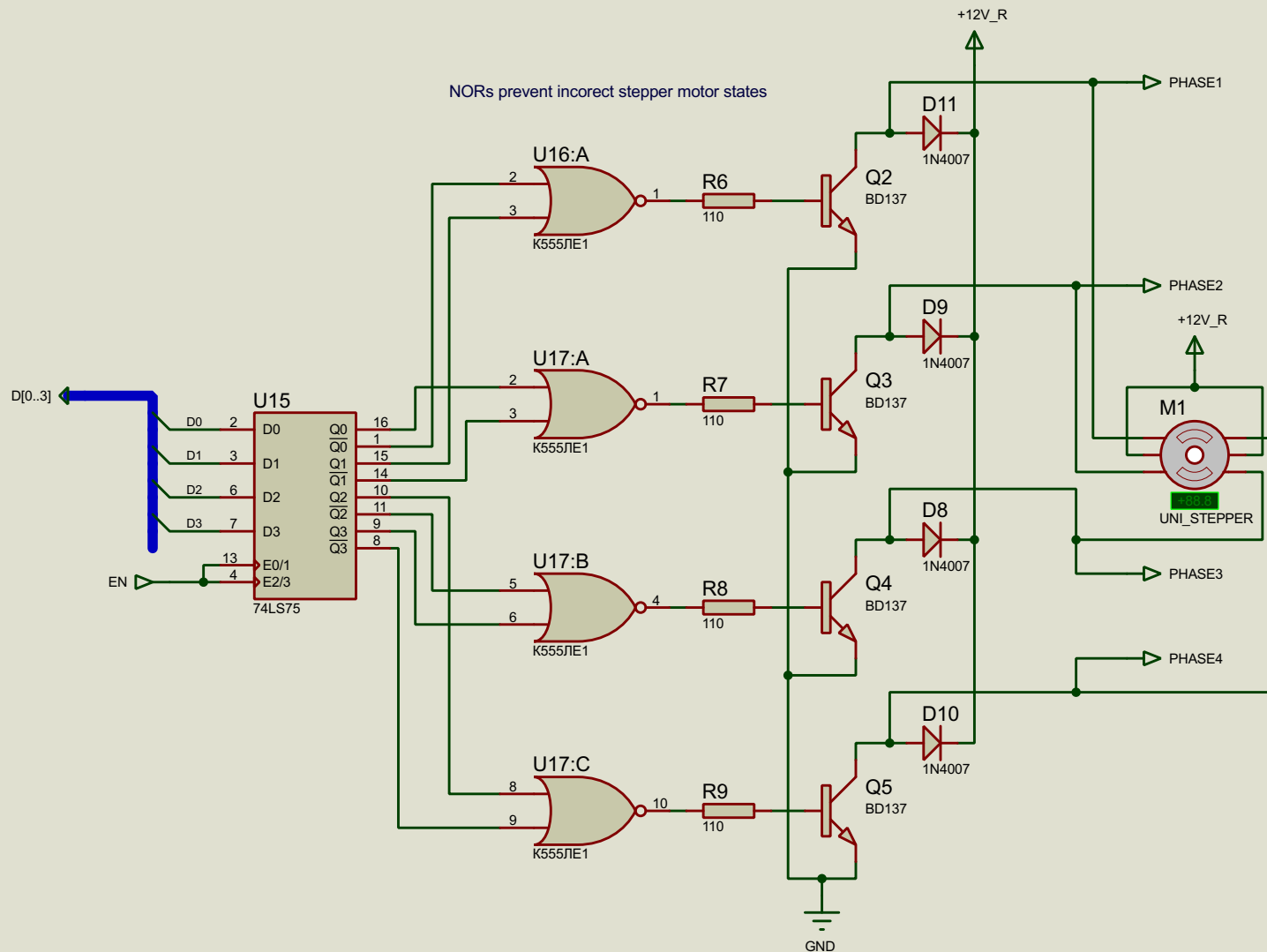
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DESIGN TITLE:	ROBKO-01 adapter for STM32L476RG Nucleo		26.11.2017 r.
PATH:	C:\Users\Vladol\Documents\Proteus_Projects\ROBKO_01\ROBKO_01.pdsprj		
BY:	Vladimir Garistov	REV: 0	PAGE: 4 of 14
			TIME: 22:51:06 ч.

To enable ROBKO-01 set bits A3-A7 as follows:

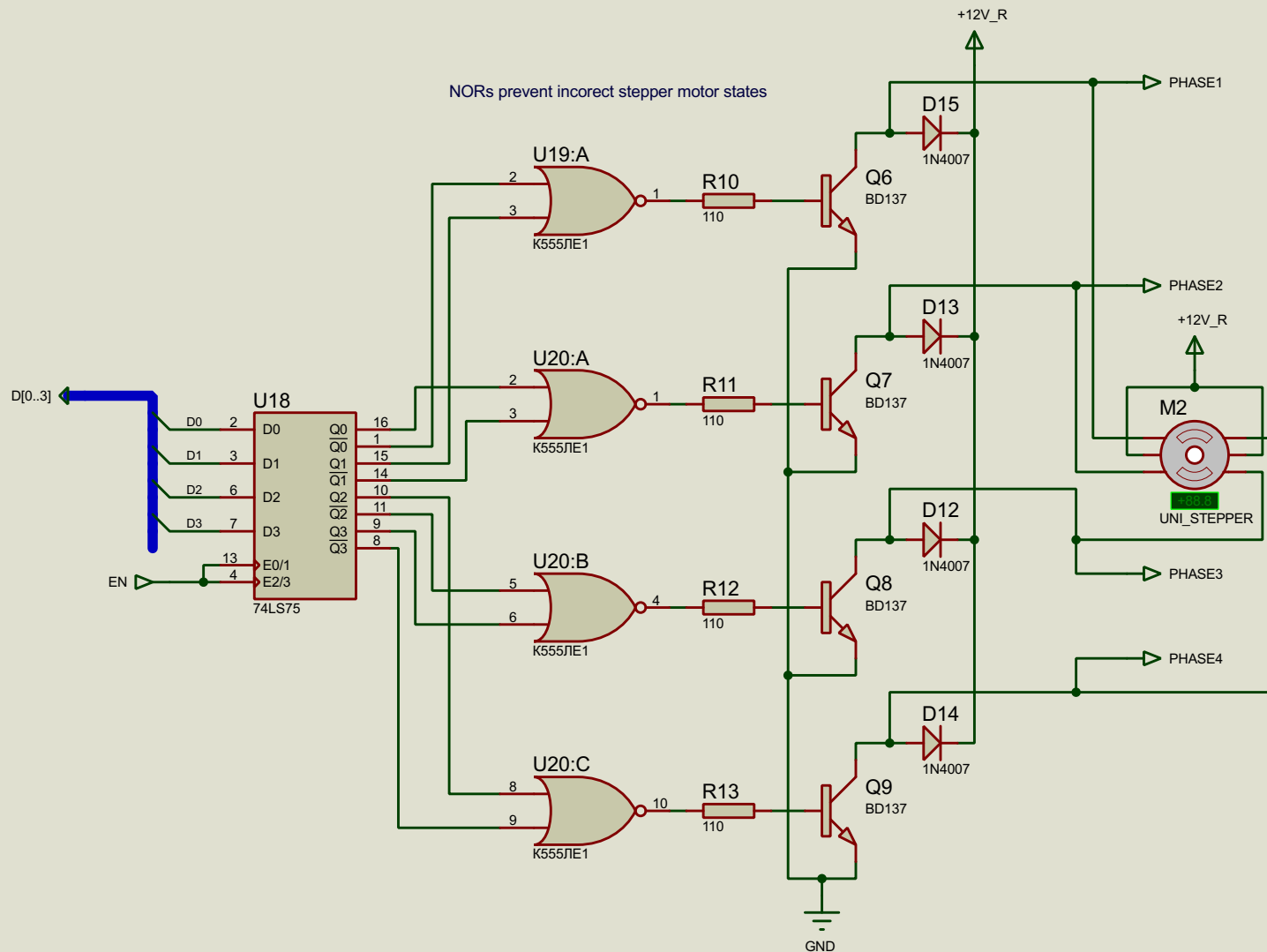
A3=VCC
A4=VCC
A5=GND
A6=GND
A7=VCC



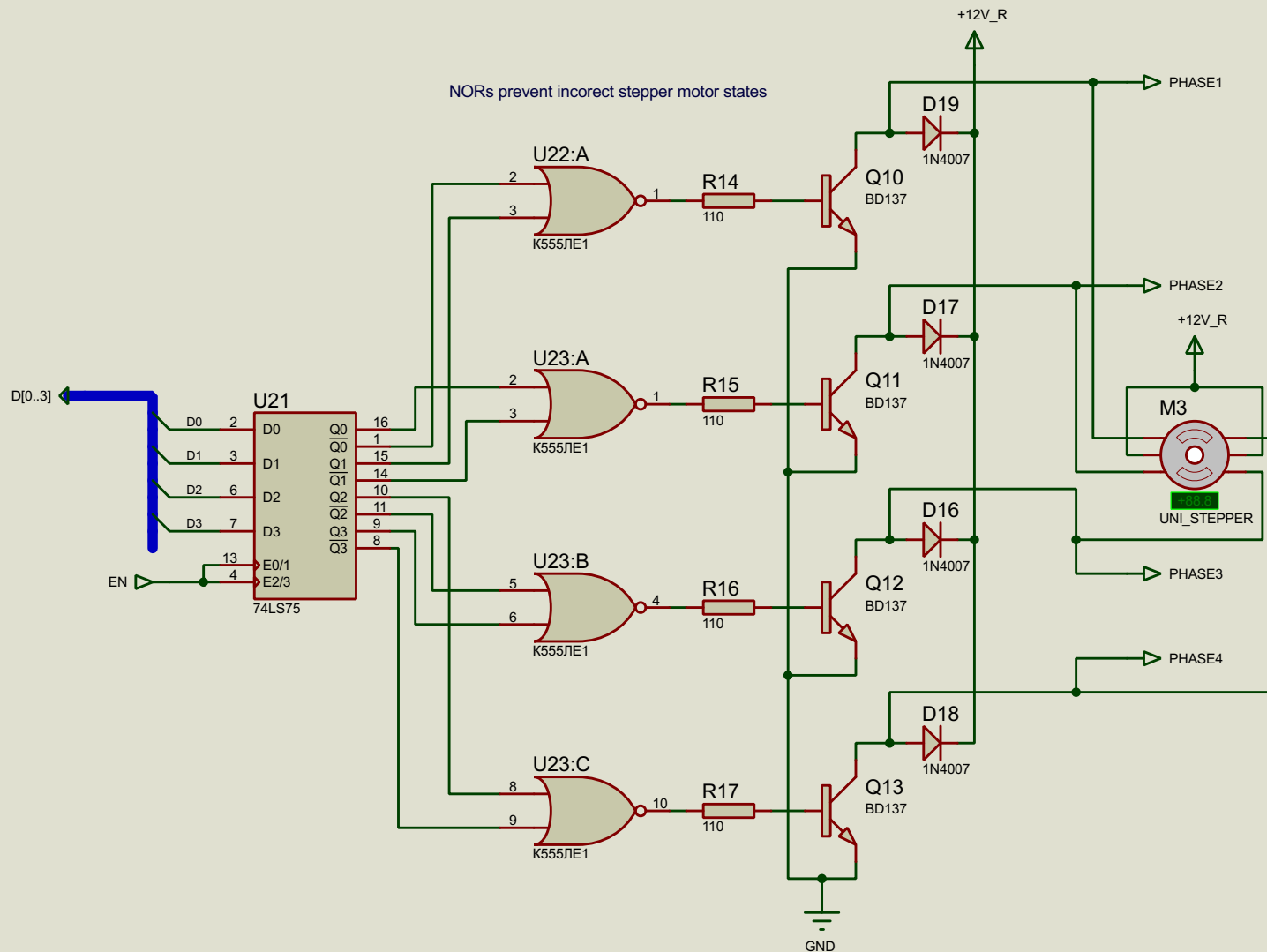
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PATH:	C:\Users\Vladol\Documents\Proteus_Projects\ROBKO_01\ROBKO_01.pdsprj		PAGE:
BY:	Vladimir Garistov	REV: 0	5 of 14
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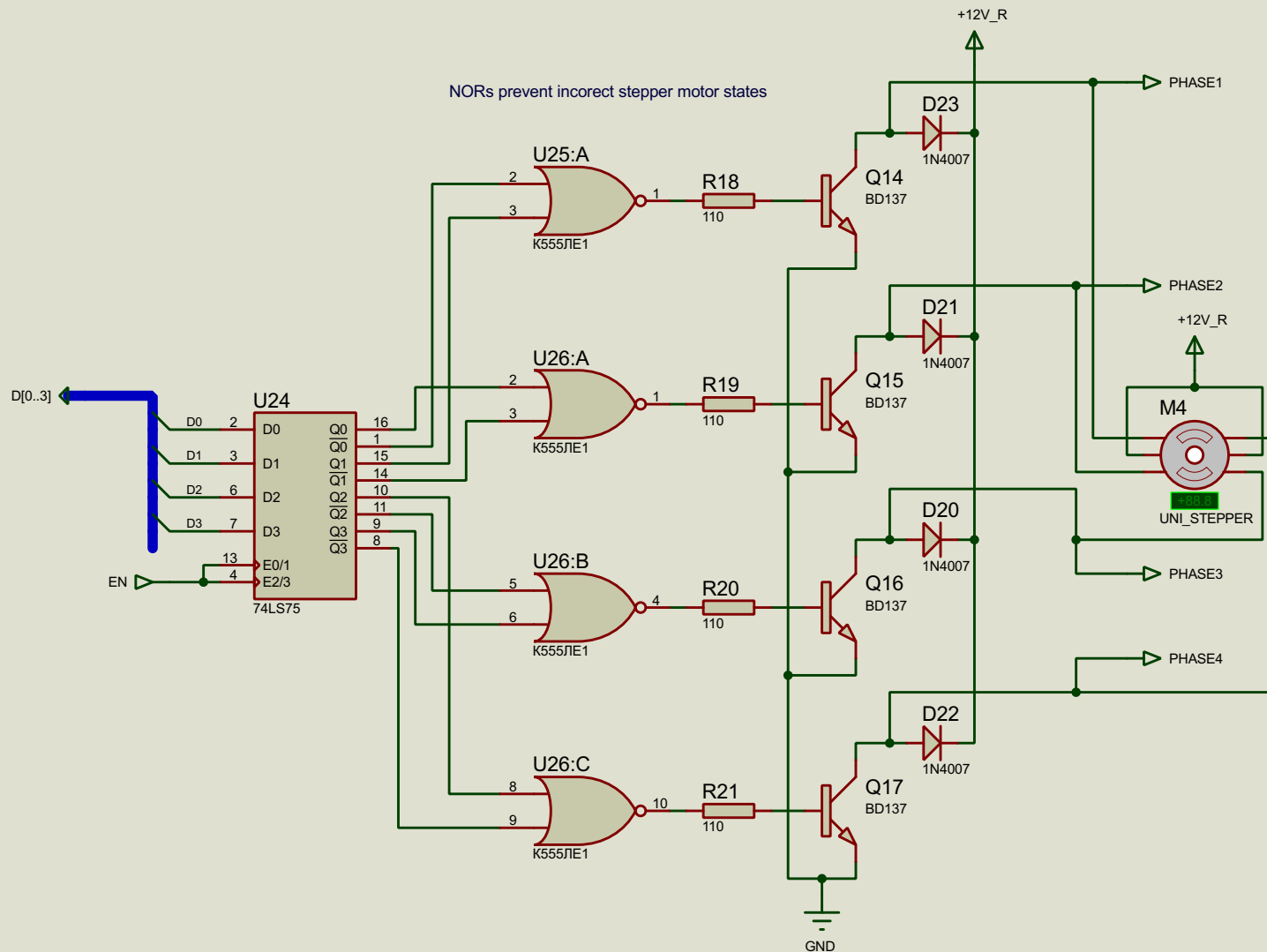
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DESIGN TITLE:	ROBKO-01 adapter for STM32L476RG Nucleo		26.11.2017 г.
PATH:	C:\Users\Viado\Documents\Proteus_Projects\ROBKO_01\ROBKO_01.pdsprj		PAGE:
BY:	Vladimir Garistov	REV: 0	6 of 14
			TIME: 22:51:06 ч.



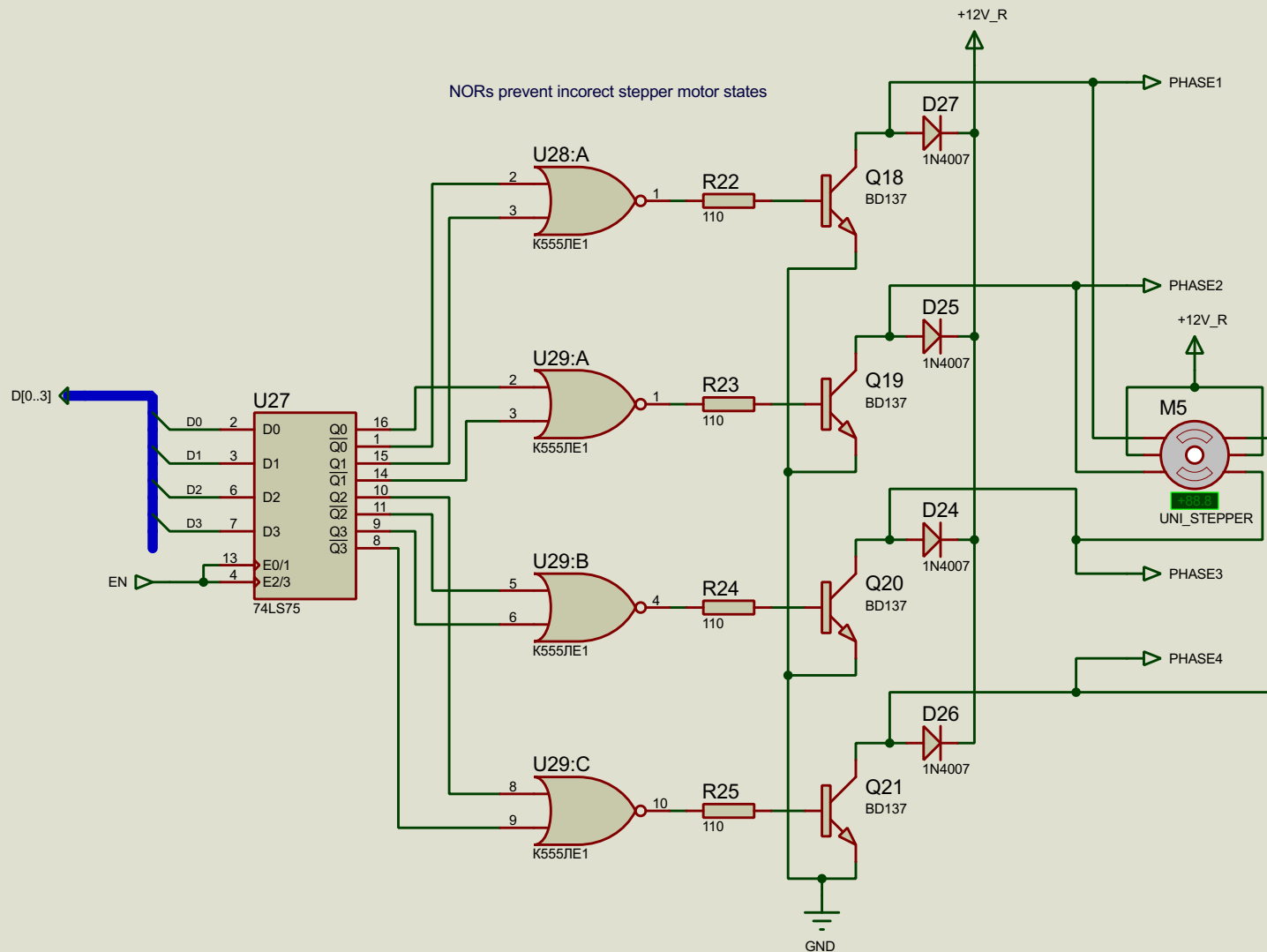
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BY:	Vladimir Garistov	REV: 0	7 of 14
			TIME: 22:51:06 ч.



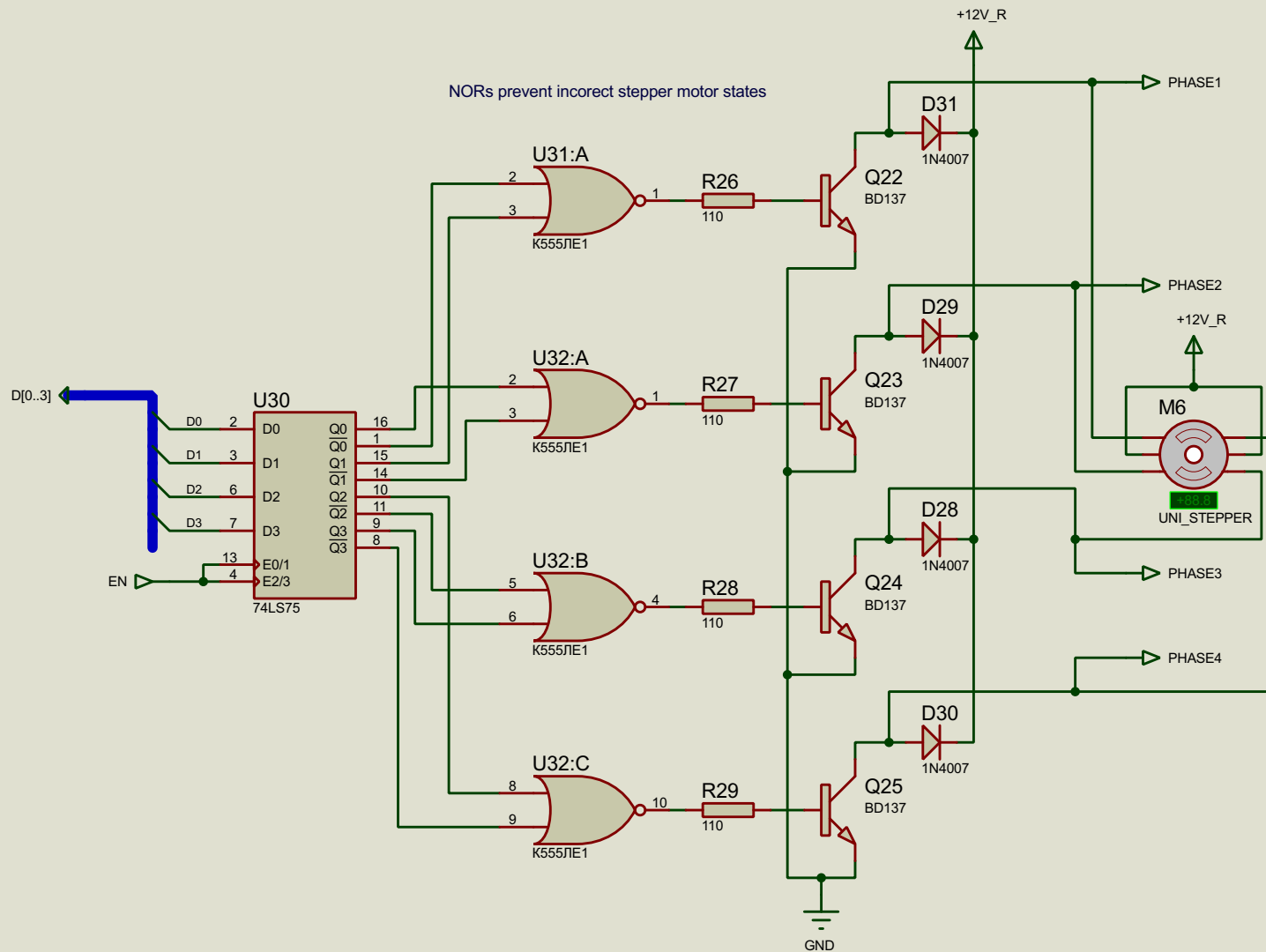
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BY:	Vladimir Garistov	REV: 0	8 of 14
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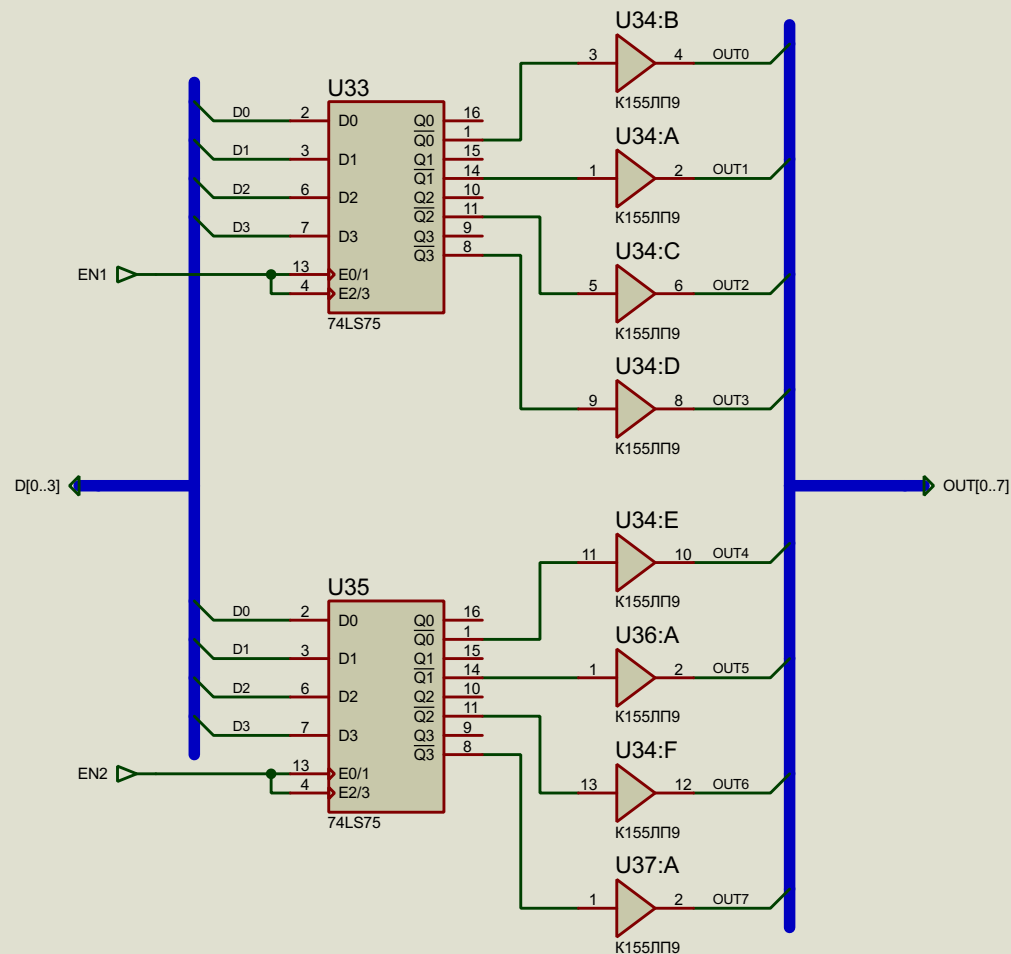
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BY:	Vladimir Garistov	REV: 0	9 of 14
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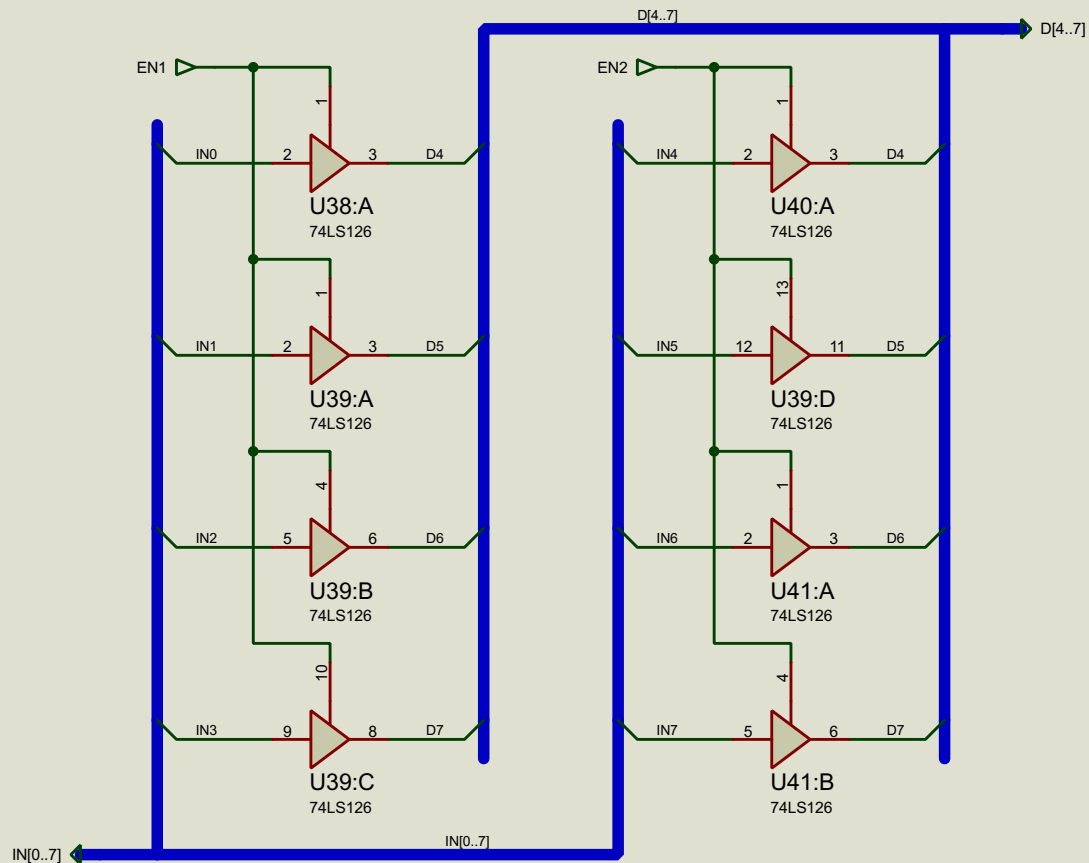
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BY:	Vladimir Garistov		10 of 14
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FILE NAME:	ROBKO_01.pdsprj	Motor driver	DATE:
DESIGN TITLE:	ROBKO-01 adapter for STM32L476RG Nucleo		26.11.2017 г.
PATH:	C:\Users\Vladol\Documents\Proteus_Projects\ROBKO_01\ROBKO_01.pdsprj		PAGE:
BY:	Vladimir Garistov	REV: 0	11 of 14
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FILE NAME:	ROBKO_01.pdsprj	Output buffers	DATE:
DESIGN TITLE:	ROBKO-01 adapter for STM32L476RG Nucleo		26.11.2017 г.
PATH:	C:\Users\Viado\Documents\Proteus_Projects\ROBKO_01\ROBKO_01.pdsprj		PAGE:
BY:	Vladimir Garistov	REV: 0	12 of 14
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FILE NAME: ROBKO_01.pdsprj		Input buffers		DATE: 26.11.2017 г.	
DESIGN TITLE: ROBKO-01 adapter for STM32L476RG Nucleo				PAGE: 13 of 14	
PATH: C:\Users\Vlado\Documents\Proteus_Projects\ROBKO_01\ROBKO_01.pdsprj				TIME: 22:51:06 ч.	
BY: Vladimir Garistov		REV: 0			
E	F	G	H	J	K

