

PERANCANGAN PCB
ROBOT WELDING ARM MANIPULATOR 6-DOF



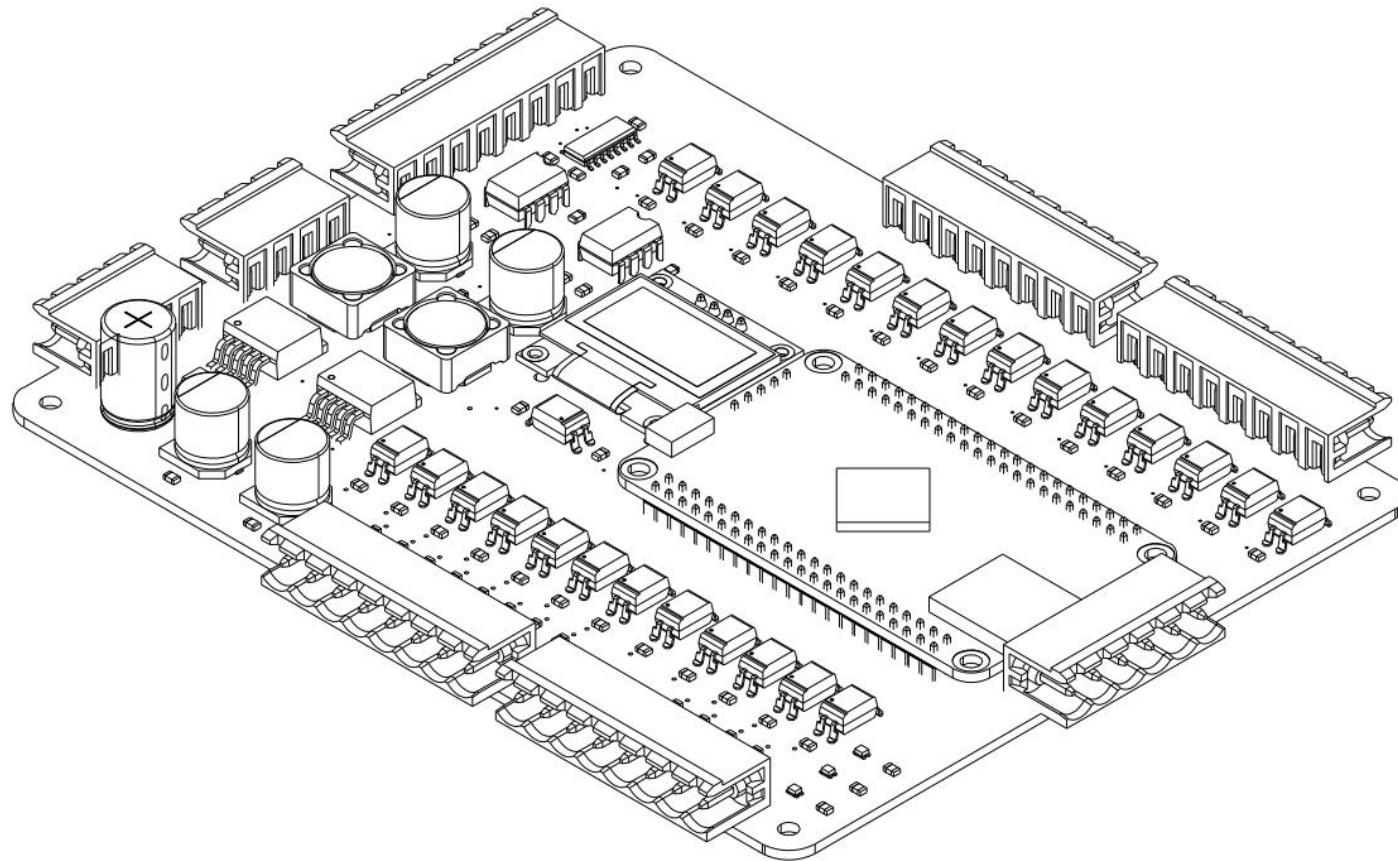
Dirancang Oleh :

Alfonsus Giovanni Mahendra Putra / Teknik Listrik Industri / 40040621650042

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FAKULTAS SEKOLAH VOKASI
UNIVERSITAS DIPONEGORO

2024

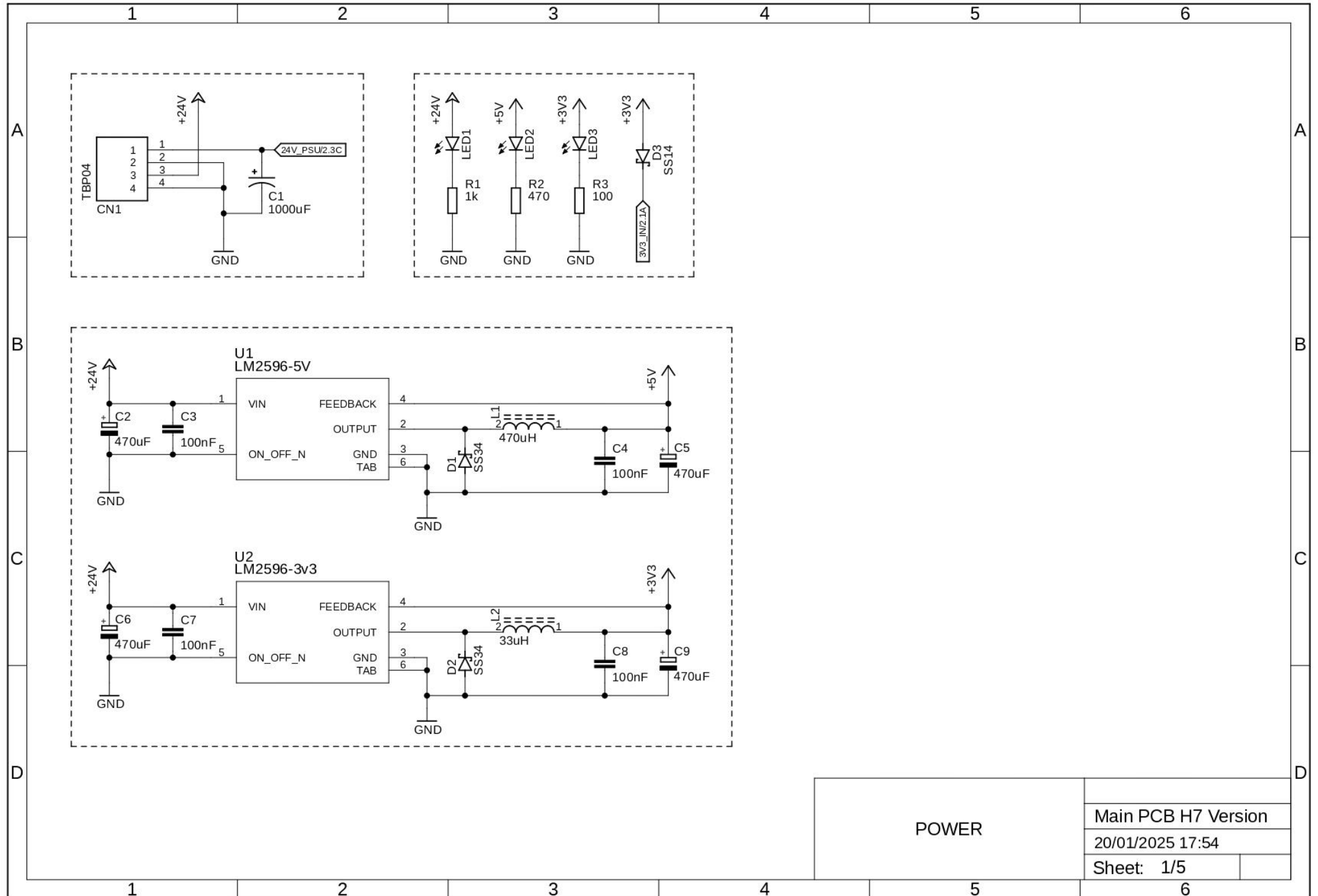
PCB KONTROLER UTAMA



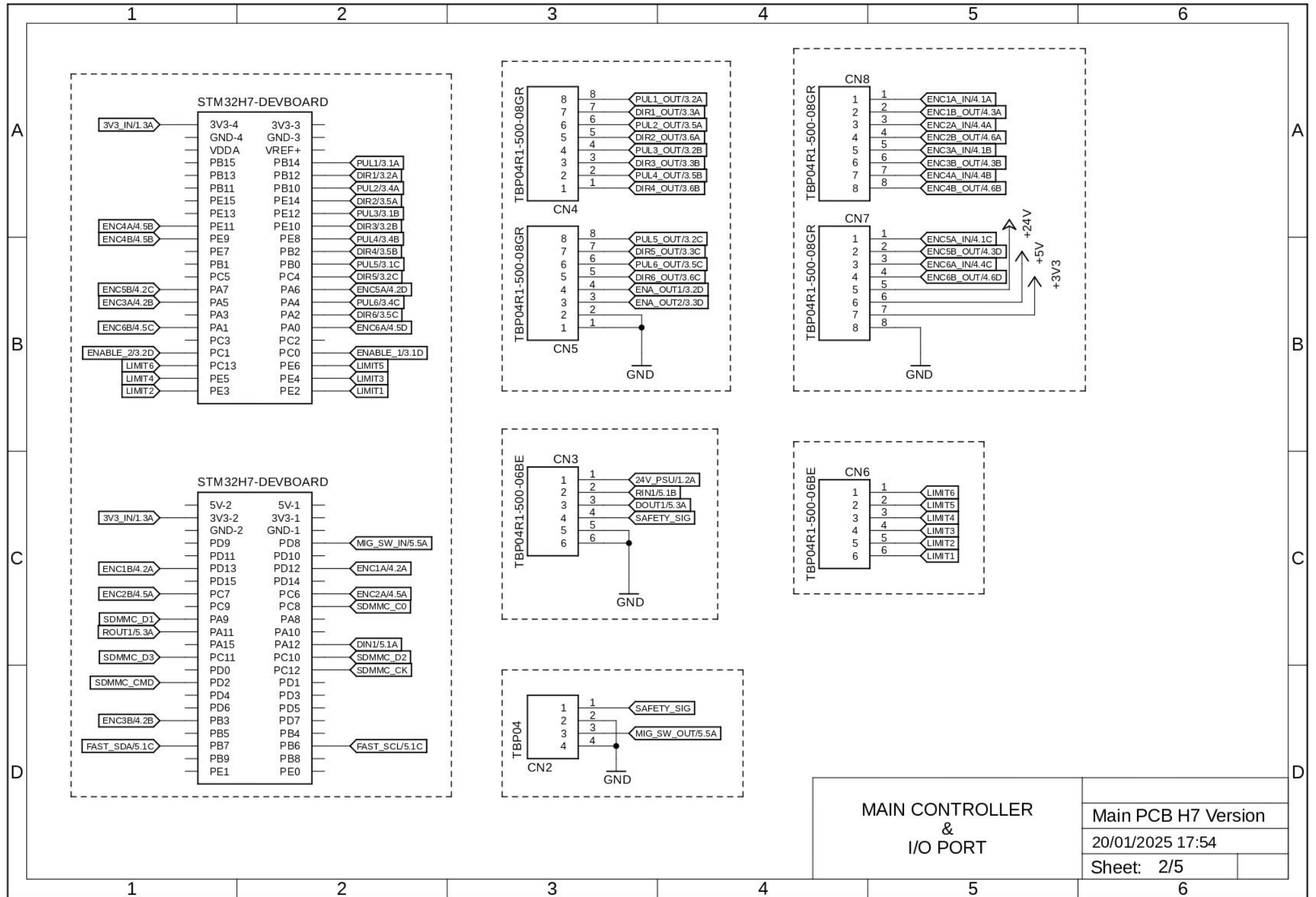
Spesifikasi:

1. Microcontroller STM32H743VIT6
2. 24VDC Supply
3. 5VDC and 3,3VDC Output
4. Dual Emergency Stop
5. 18 Channels Digital Input
6. 12 Channels Digital Output
7. RS-232 Communication
8. OLED LCD Interface

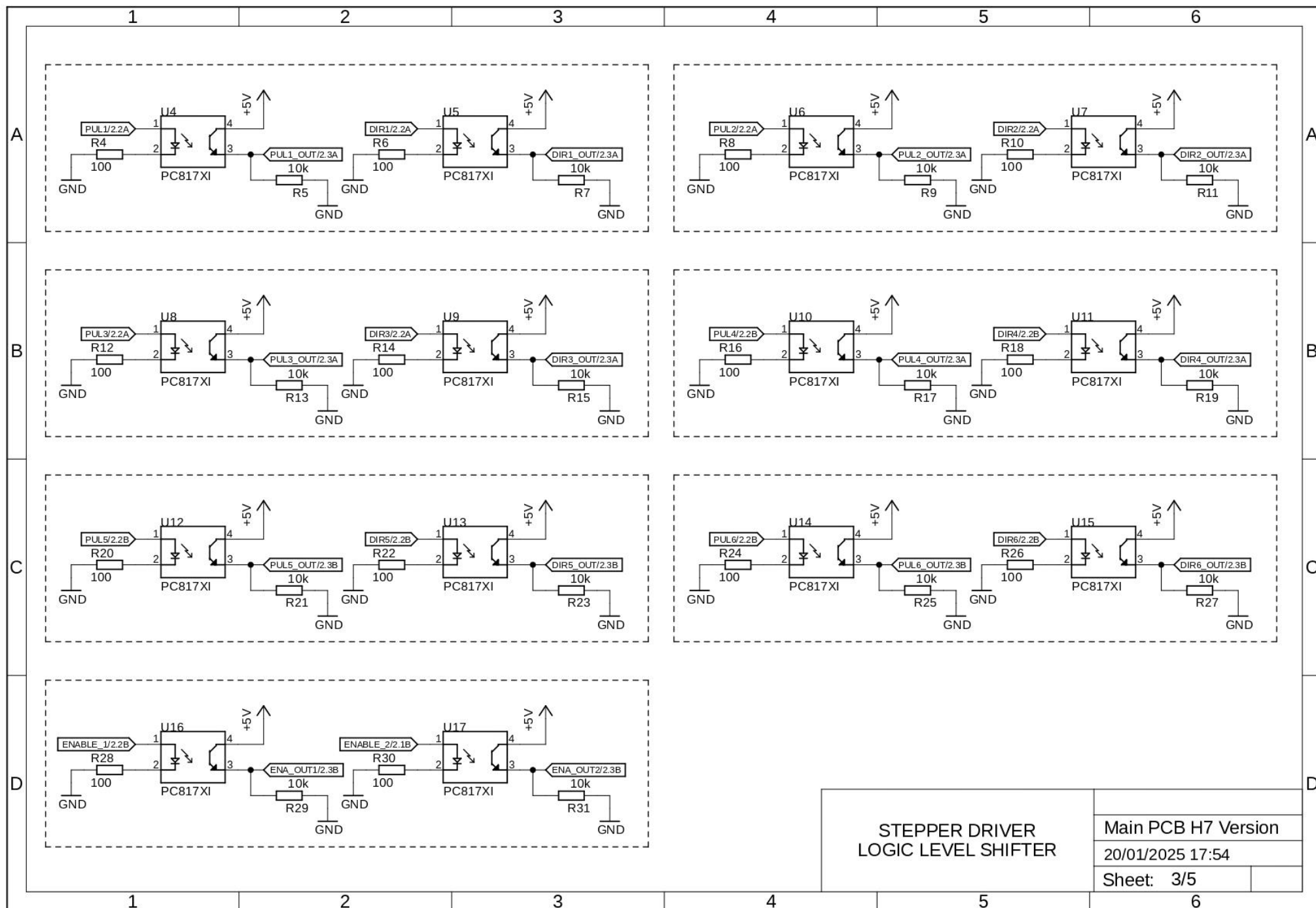
SCHEMATIC DIAGRAM PCB KONTROLER UTAMA



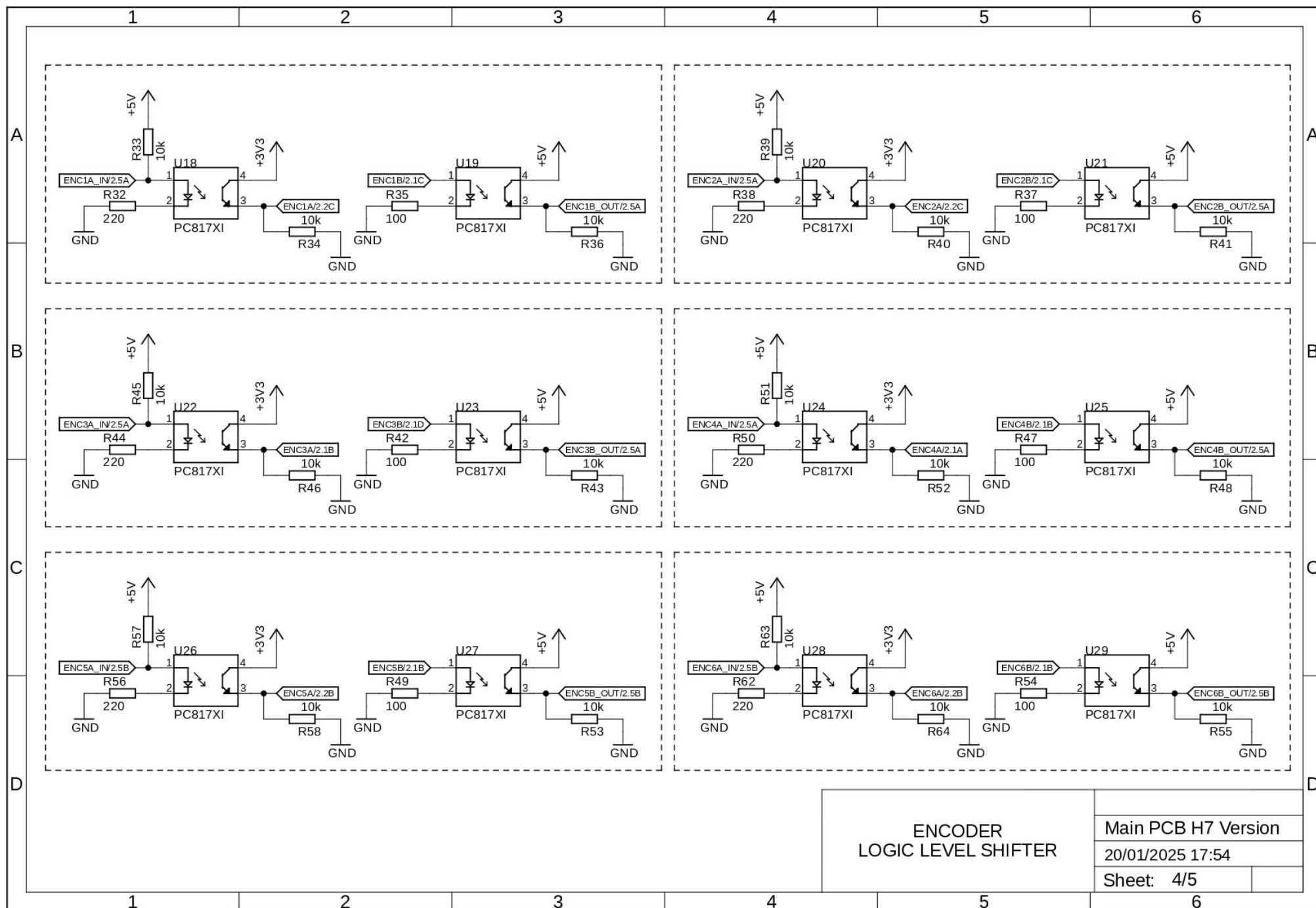
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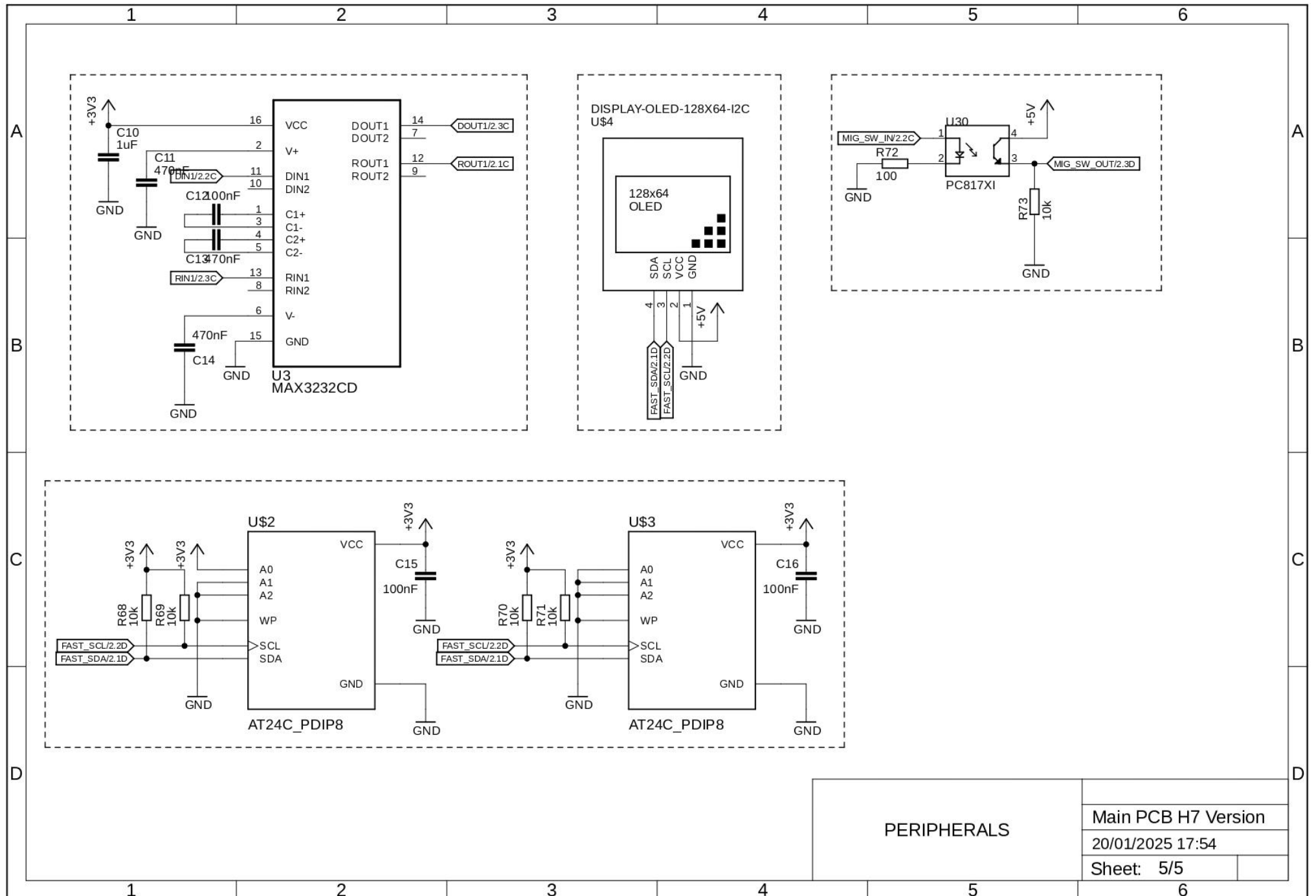
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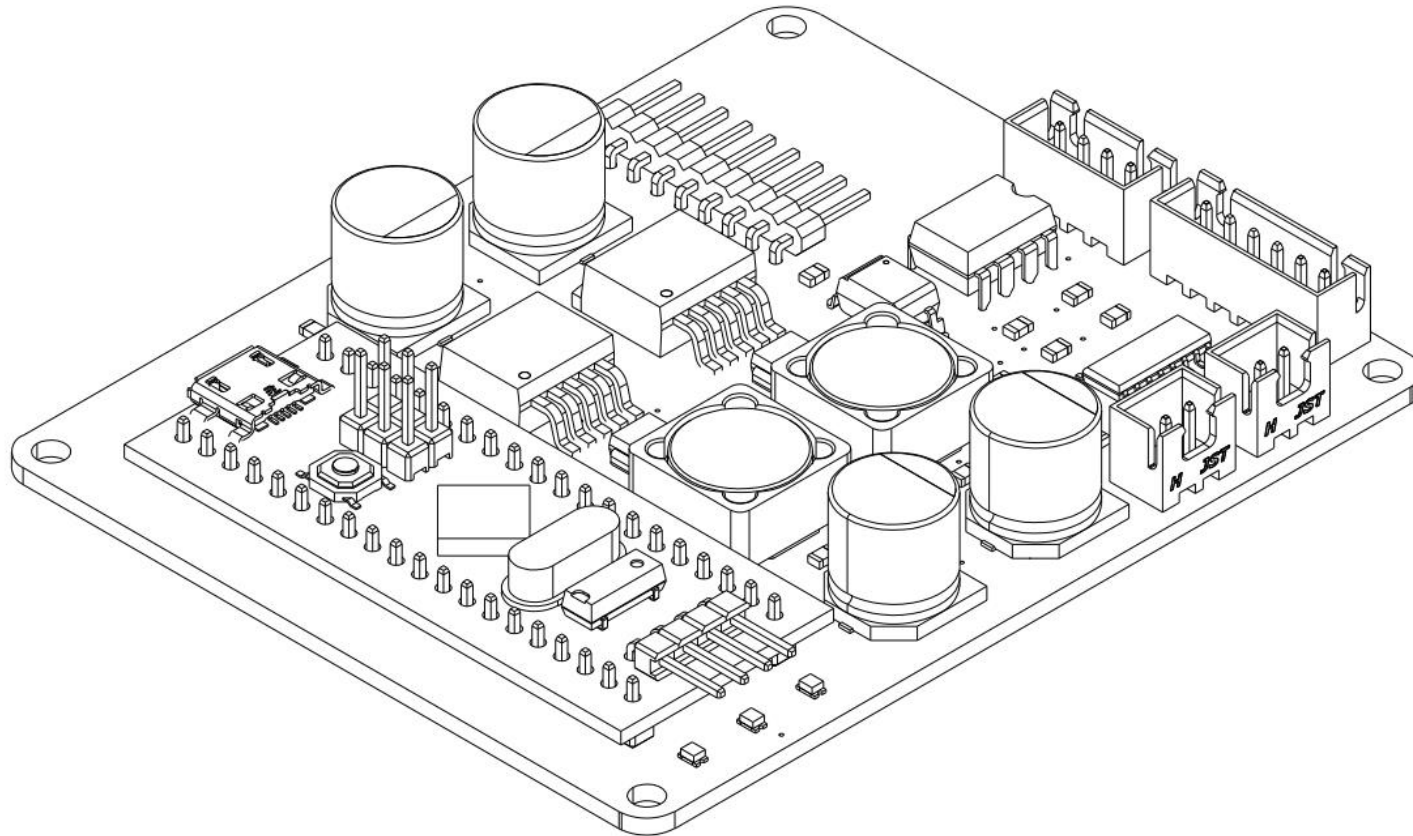
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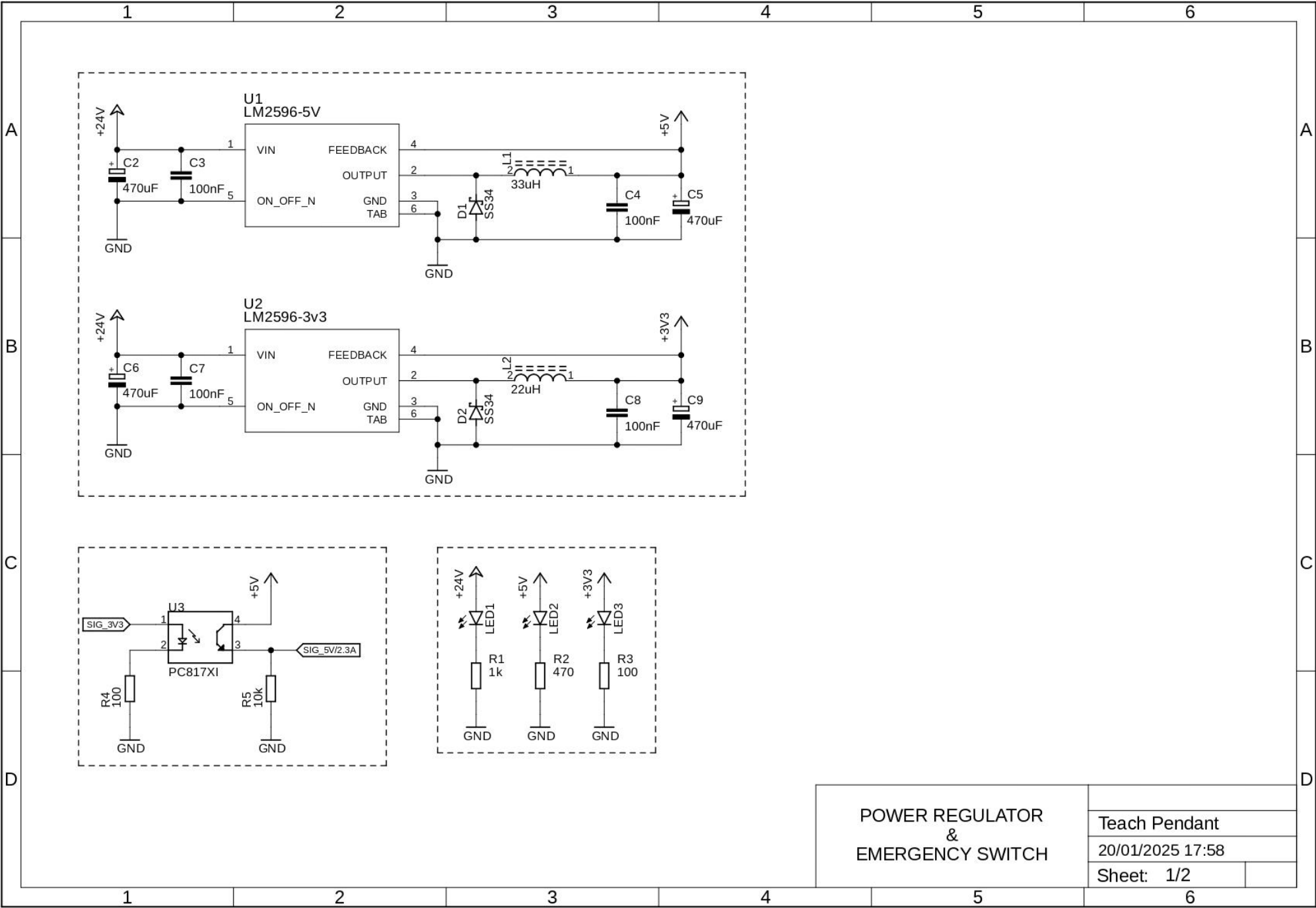
PCB TEACH PENDANT



Spesifikasi:

1. Mikrokontroler STM32F103C8T6
2. 24VDC Supply
3. On/Off Selector Switch
4. Interface LCD 20x4
5. Keypad Matrix 5x4
6. Emergency Stop

SCHEMATIC DIAGRAM PCB TEACH PENDANT



POWER REGULATOR
&
EMERGENCY SWITCH

Teach Pendant

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SCHEMATIC DIAGRAM PCB TEACH PENDANT

