

The diagram illustrates the system architecture of the Hyperloop - CargoPOD, showing the interconnections between various components. The components are organized into a central control unit and several peripheral modules.

Central Control Unit (Dashed Box):

- +SE1 Steuerungseinheit Speedgoat** (Light Blue Box): The primary control unit.
- +BE2 Batterieeinheit Steuerung** (Orange Box): The control power supply unit.

Peripheral Modules:

- +AE1 Antrieb Golden Motor** (Green Box): The main drive motor.
- +BE1 Batterieeinheit Leistung** (Orange Box): The main power supply unit.
- +AKT1 Brems Zylinder V.** (Purple Box): Front brake cylinder.
- +AKT1 Brems Zylinder H.** (Purple Box): Rear brake cylinder.
- +MES1 Messung Distanz** (Orange Box): Distance measurement sensor.
- +MES2 Messung Bremsdr. V.** (Orange Box): Front brake pressure measurement.
- +MES2 Messung Bremsdr. H.** (Orange Box): Rear brake pressure measurement.
- +KO1 Antenne Router** (Green Box): Antenna router.
- +In1 NOT-Aus** (Red Box): Emergency stop button.


Connections and Cables:

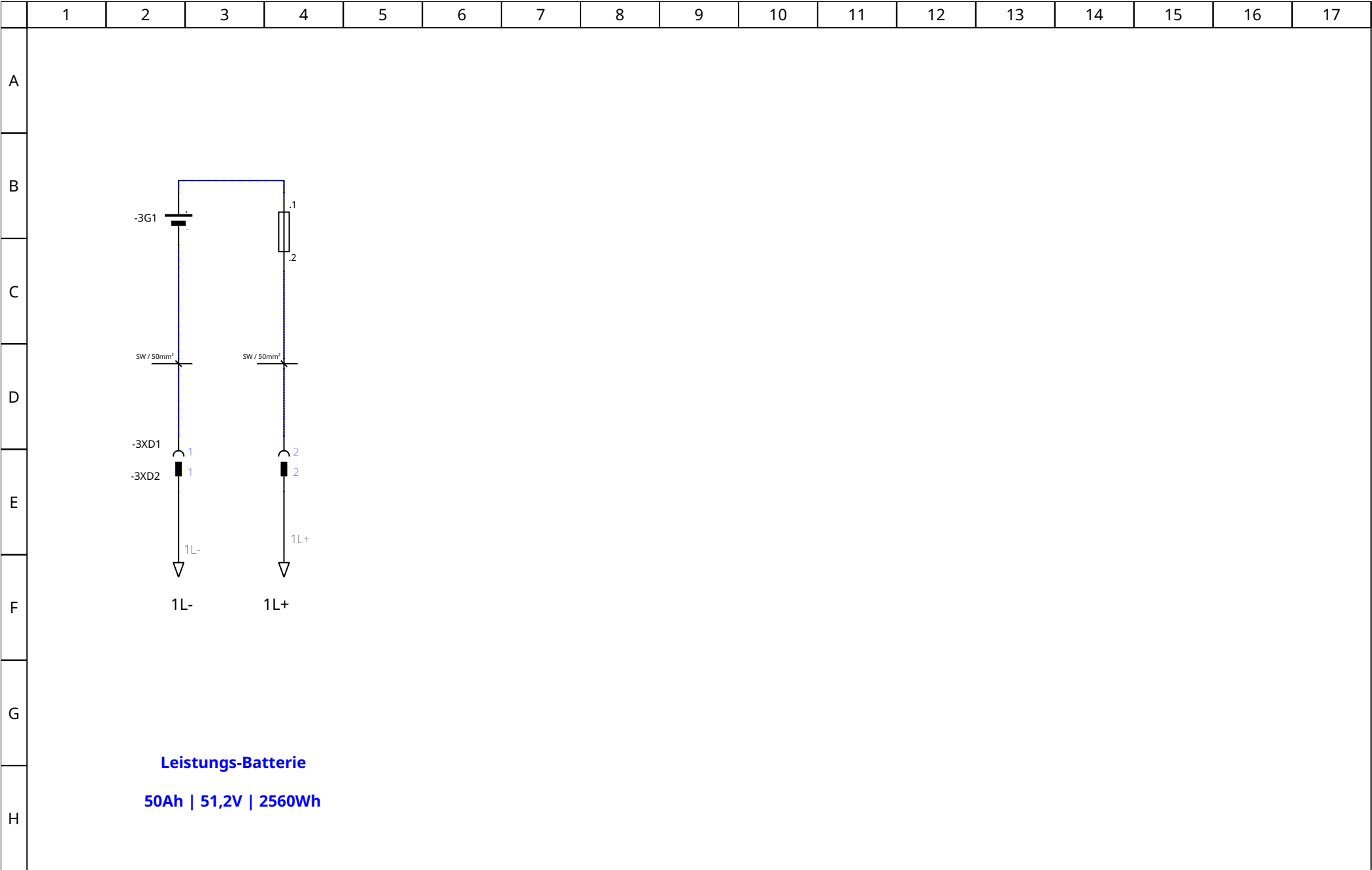
- Batterie Kabel** (2x50 mm²): Connects +BE1 to +AE1.
- Strg. Kabel** (LiYCY (TP) 6x2x.75 mm²): Connects +SE1 to +AE1.
- Hall Kabel** (LiYCY (TP) 4x2x1 mm²): Connects +SE1 to +AKT1 Brems Zylinder V.
- Motor Kabel** (ÖLFLEX® CLASSIC 110 H 4X1): Connects +SE1 to +AKT1 Brems Zylinder V.
- Sensor Kabel** (LiYCY (TP) 3x2x1 mm²): Connects +SE1 to +MES1 Messung Distanz.
- LiYCY (TP) 3x2x1 mm²**: Connects +SE1 to +MES2 Messung Bremsdr. V.
- LiYCY (TP) 3x2x1 mm²**: Connects +SE1 to +MES2 Messung Bremsdr. H.
- LiYCY (TP) 3x2x1 mm²**: Connects +BE2 to +AKT1 Brems Zylinder H.
- ÖLFLEX® CLASSIC 110 H 4X1**: Connects +BE2 to +In1 NOT-Aus.
- 1xSMA**: Connects +KO1 Antenne Router to +BE2.

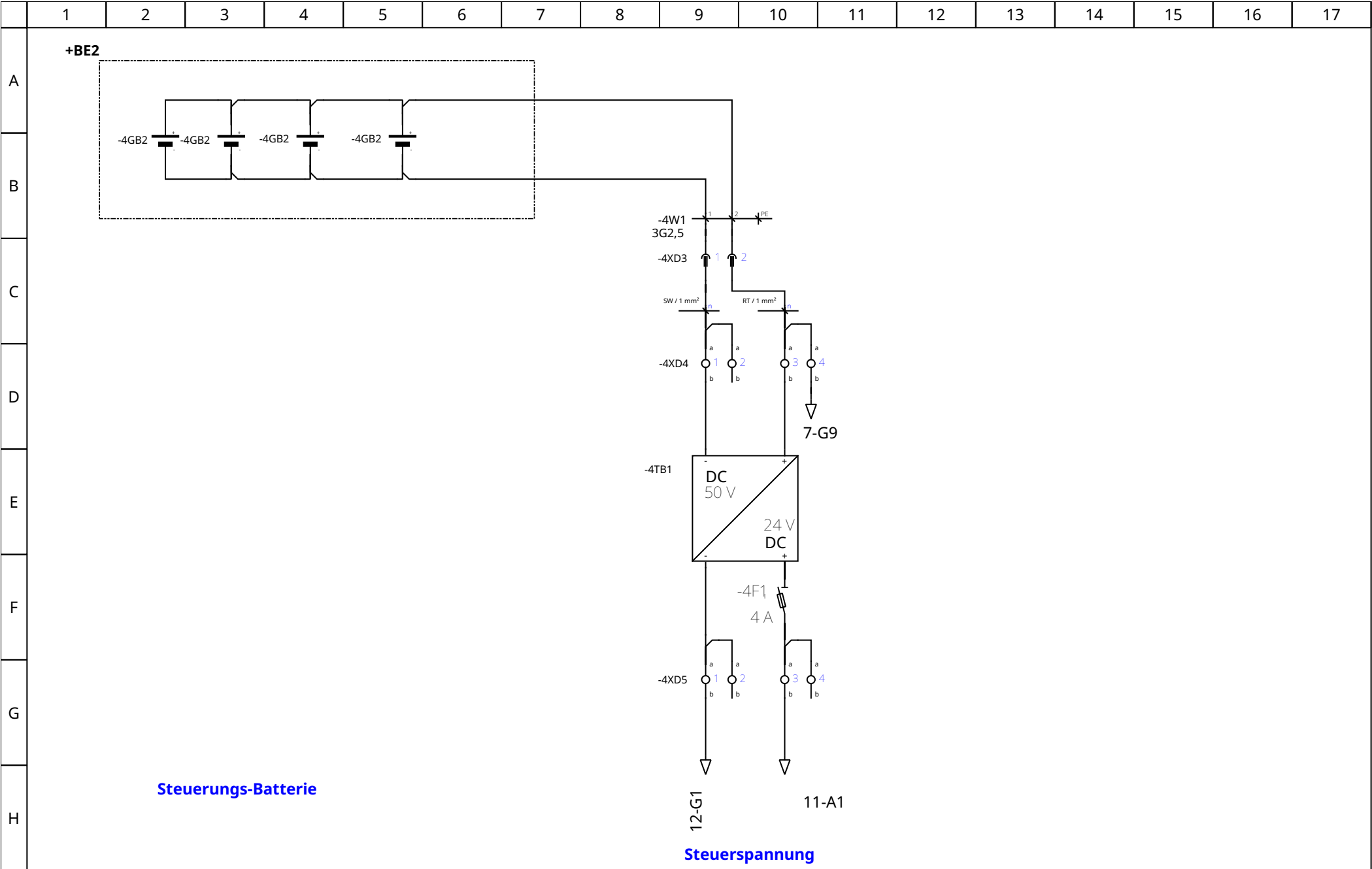
Other Labels:

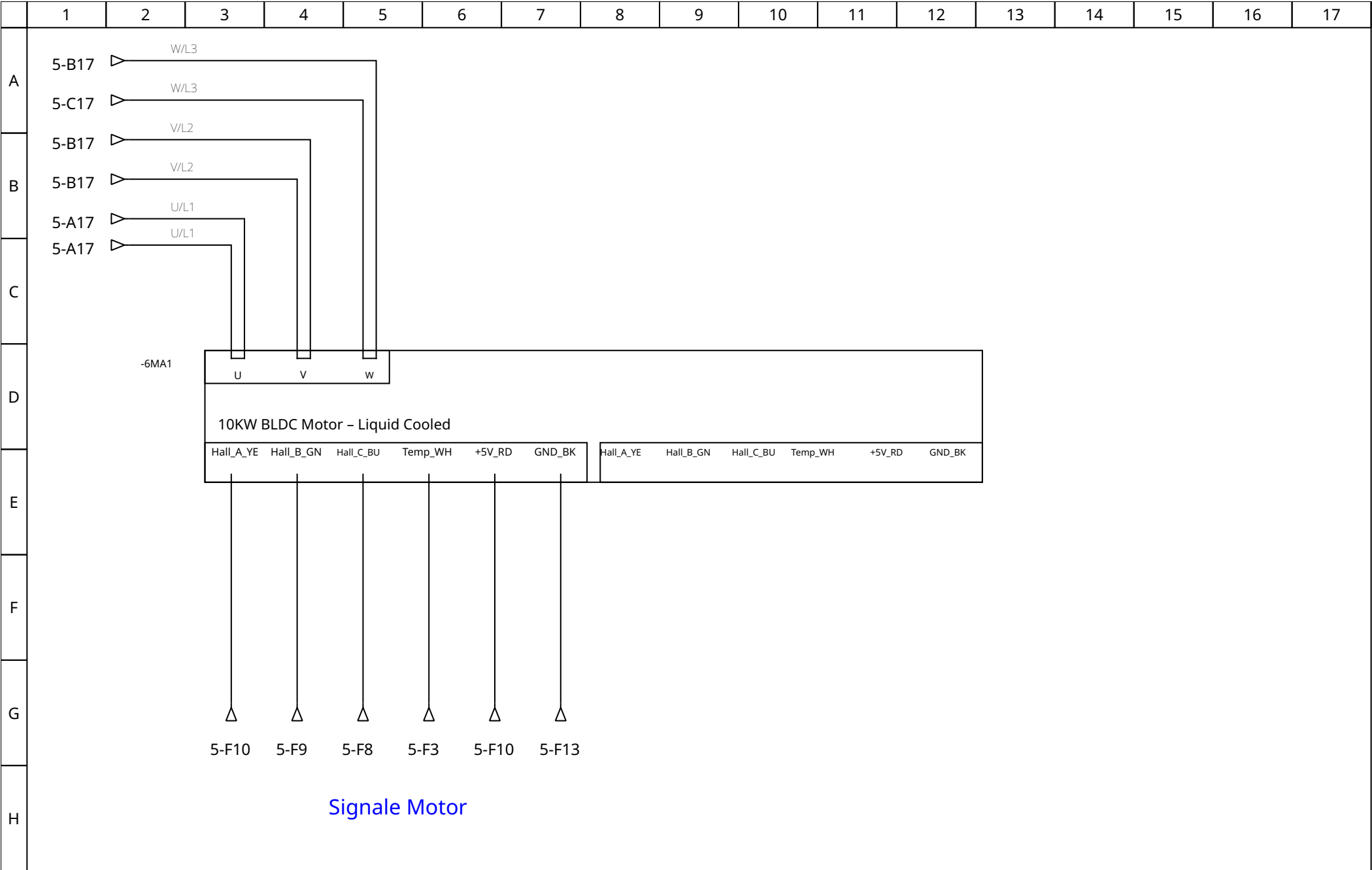
- Vorne**: Front (indicated by a red arrow pointing left).
- Laser**: Indicated by a red arrow pointing left from the +MES1 Messung Distanz module.

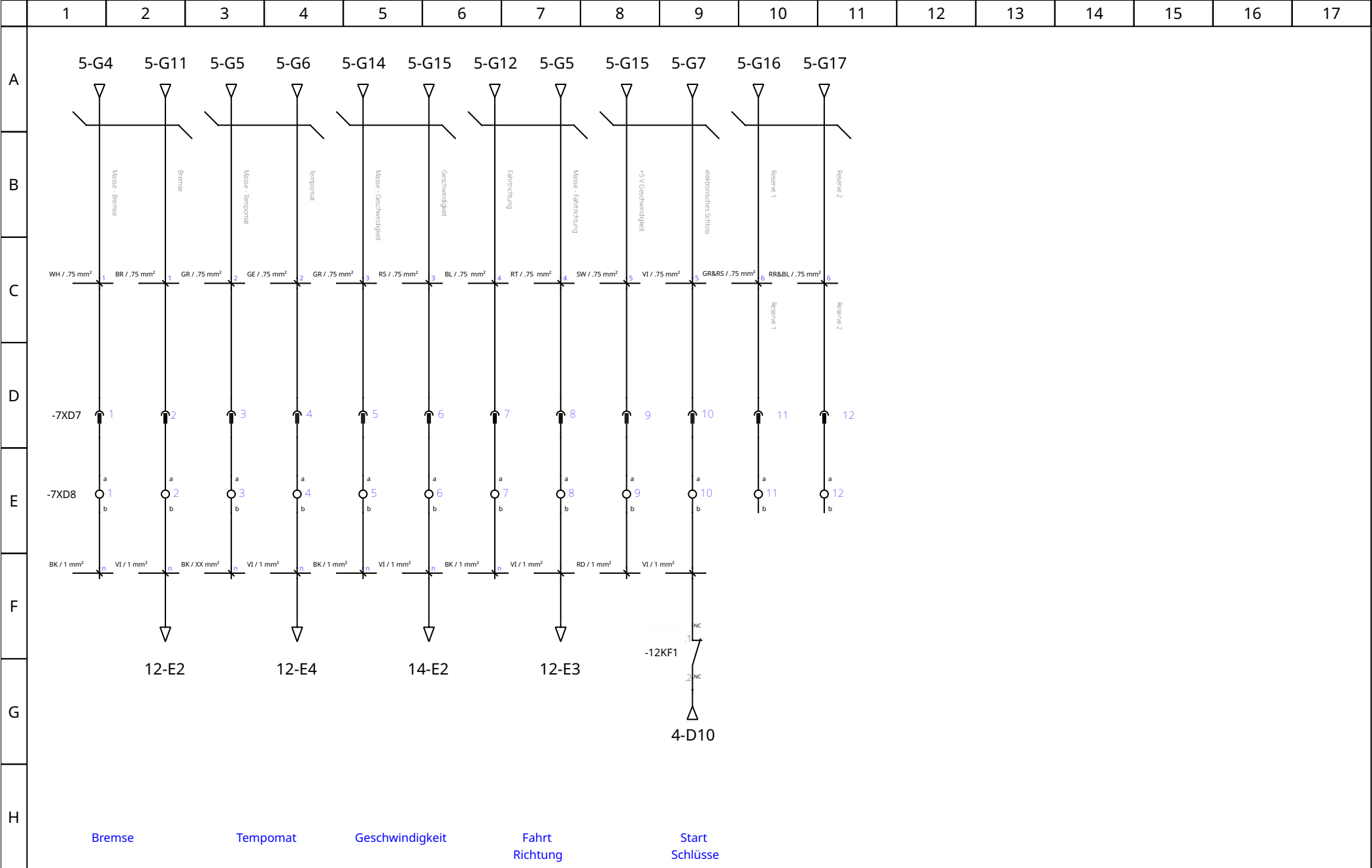
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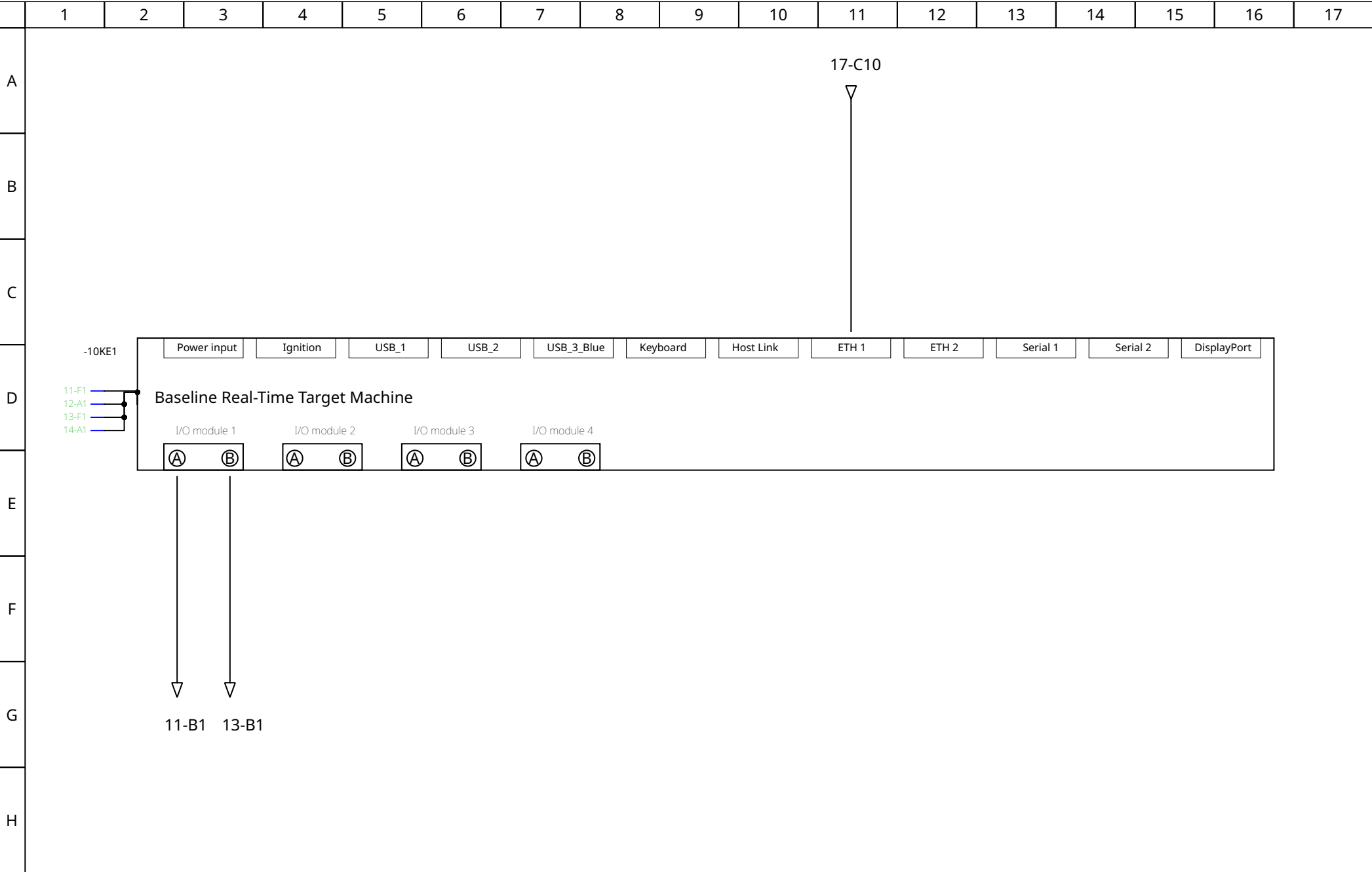


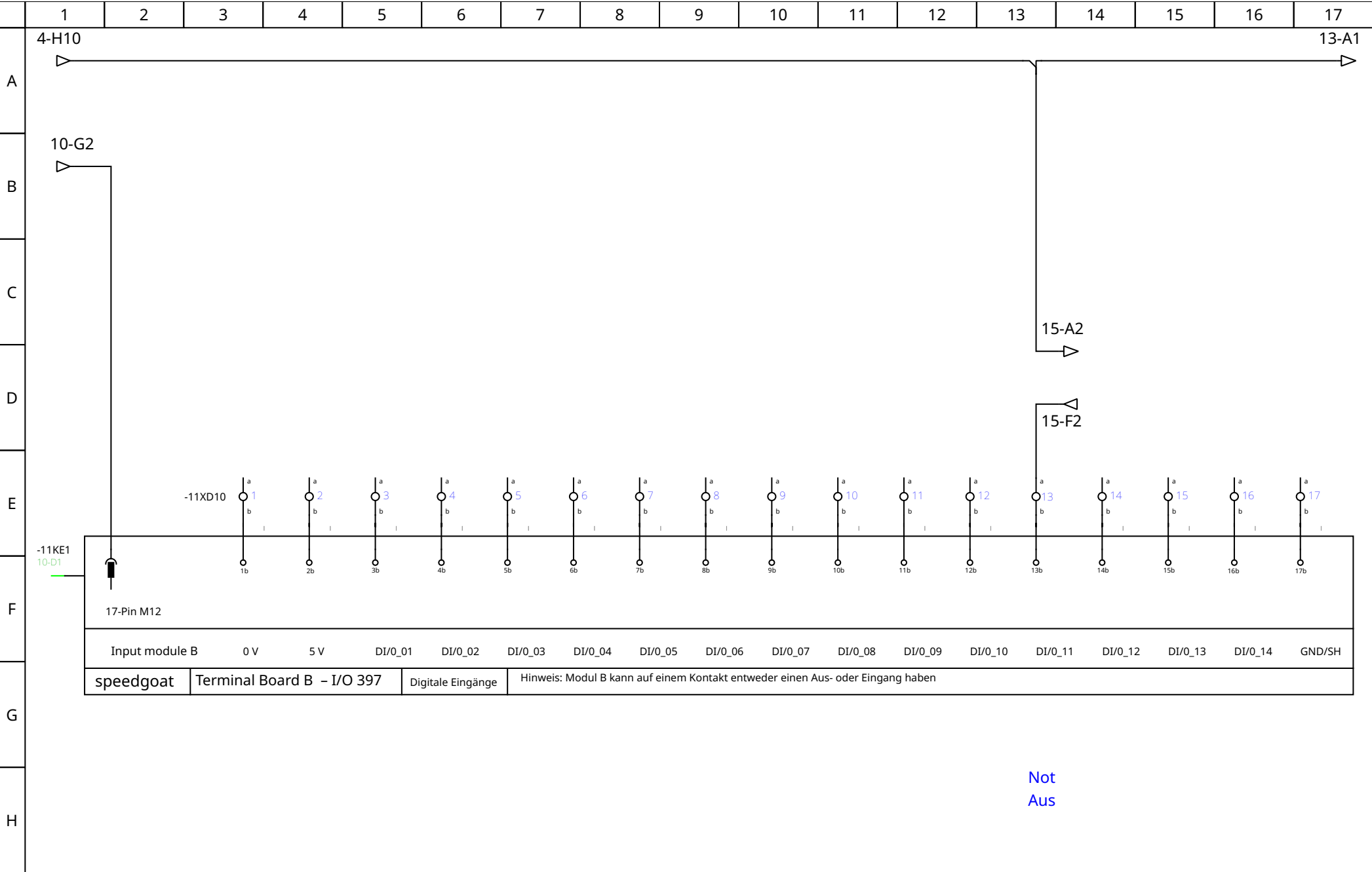




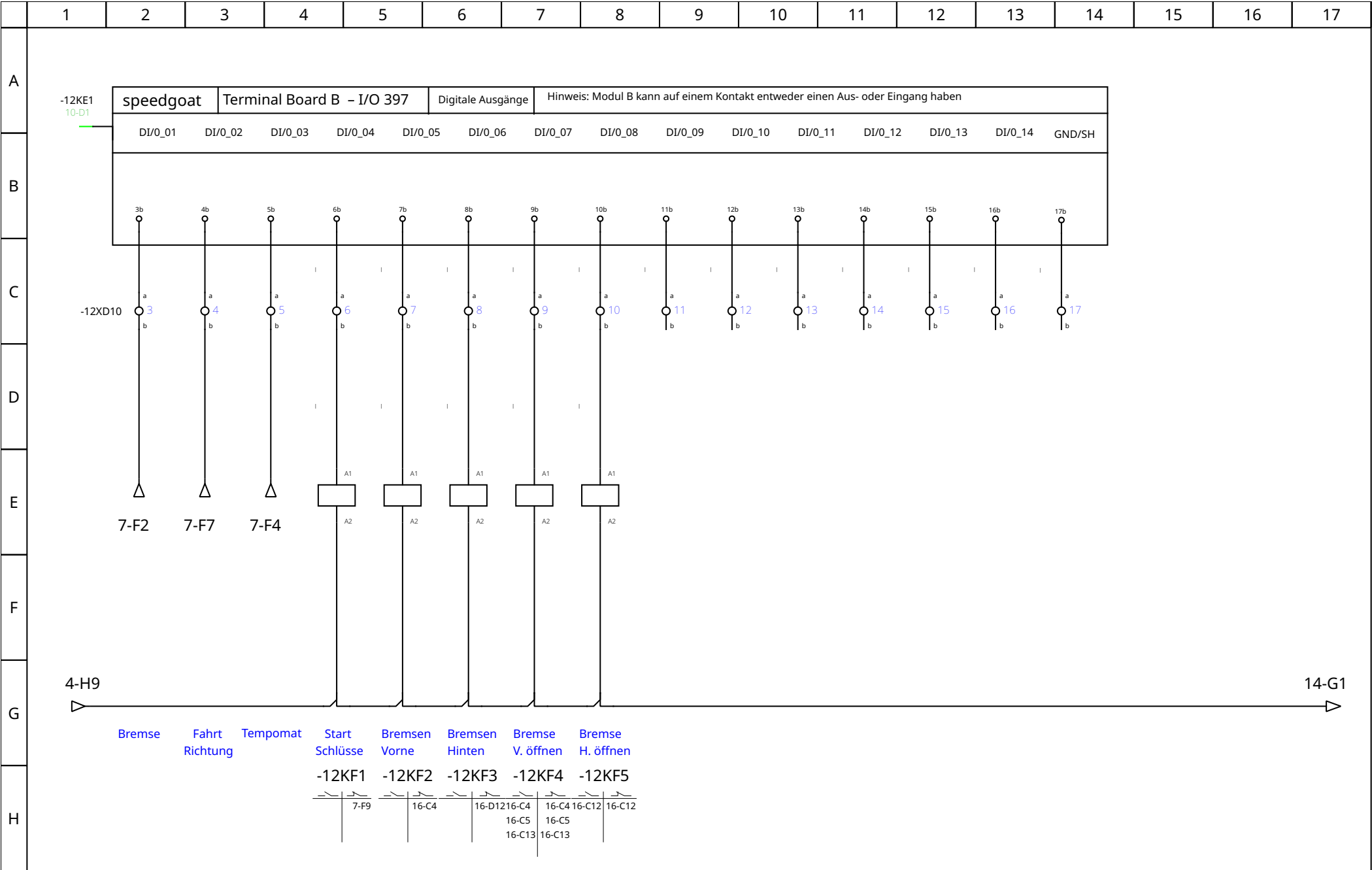
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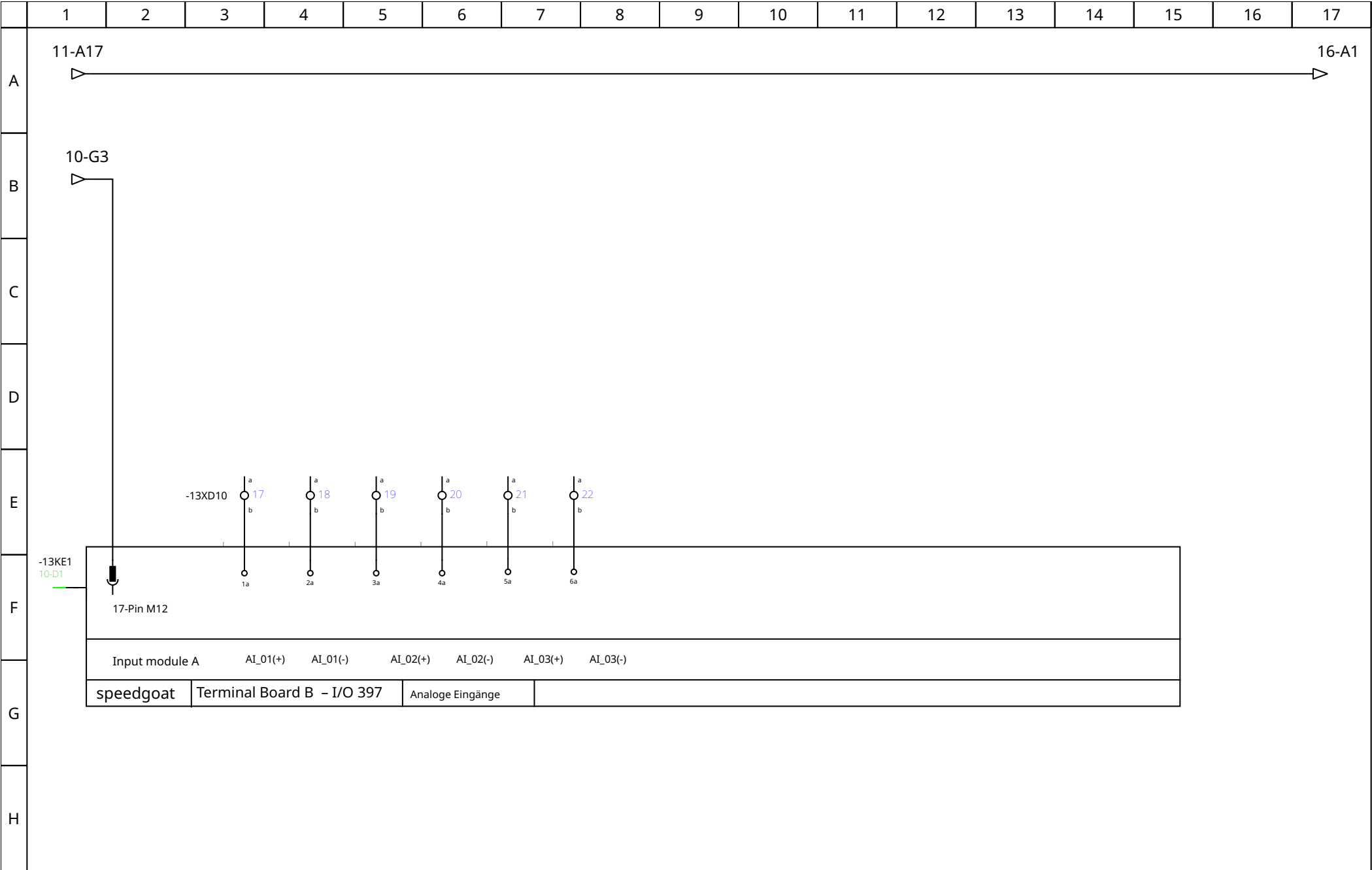
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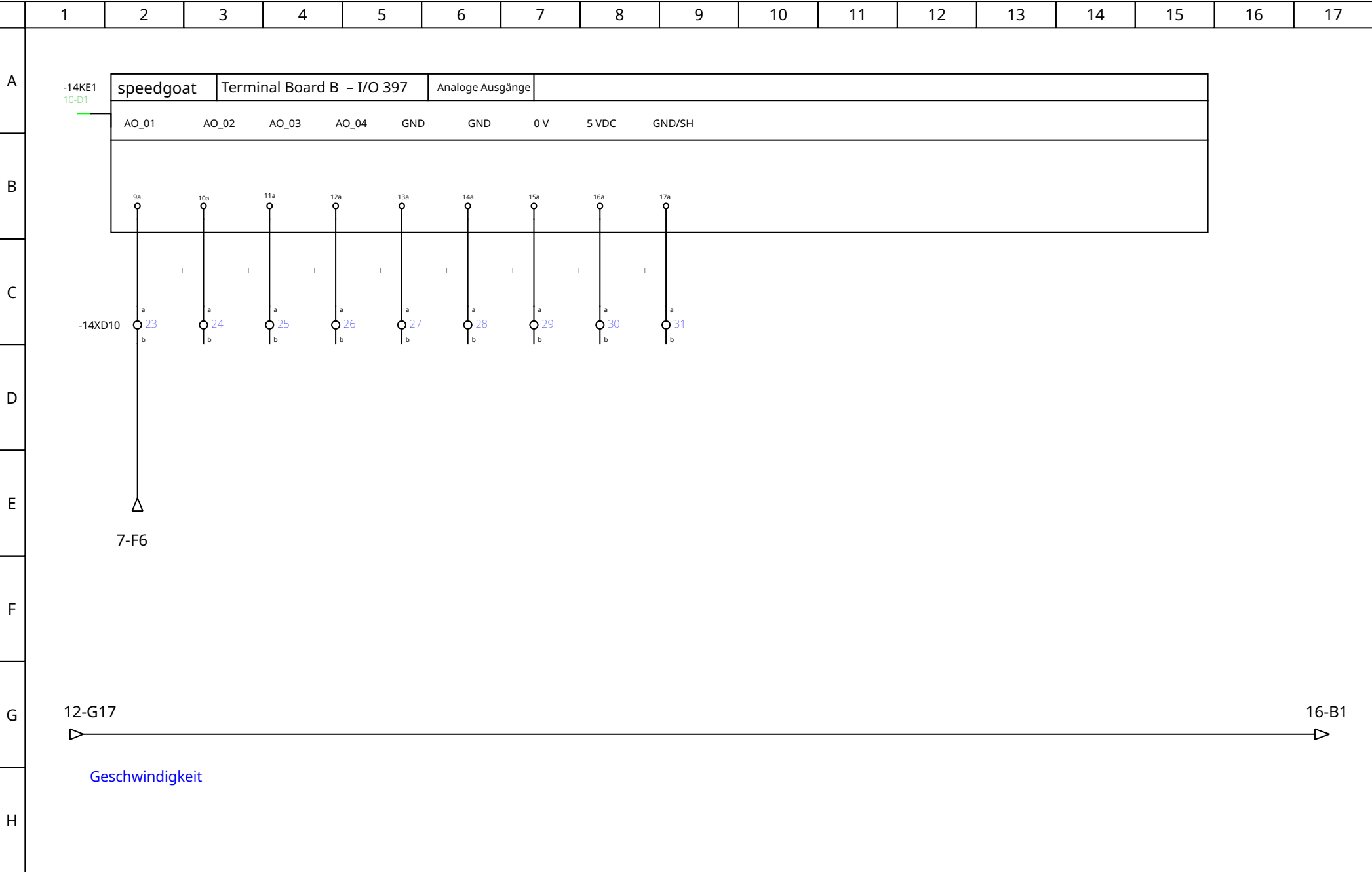


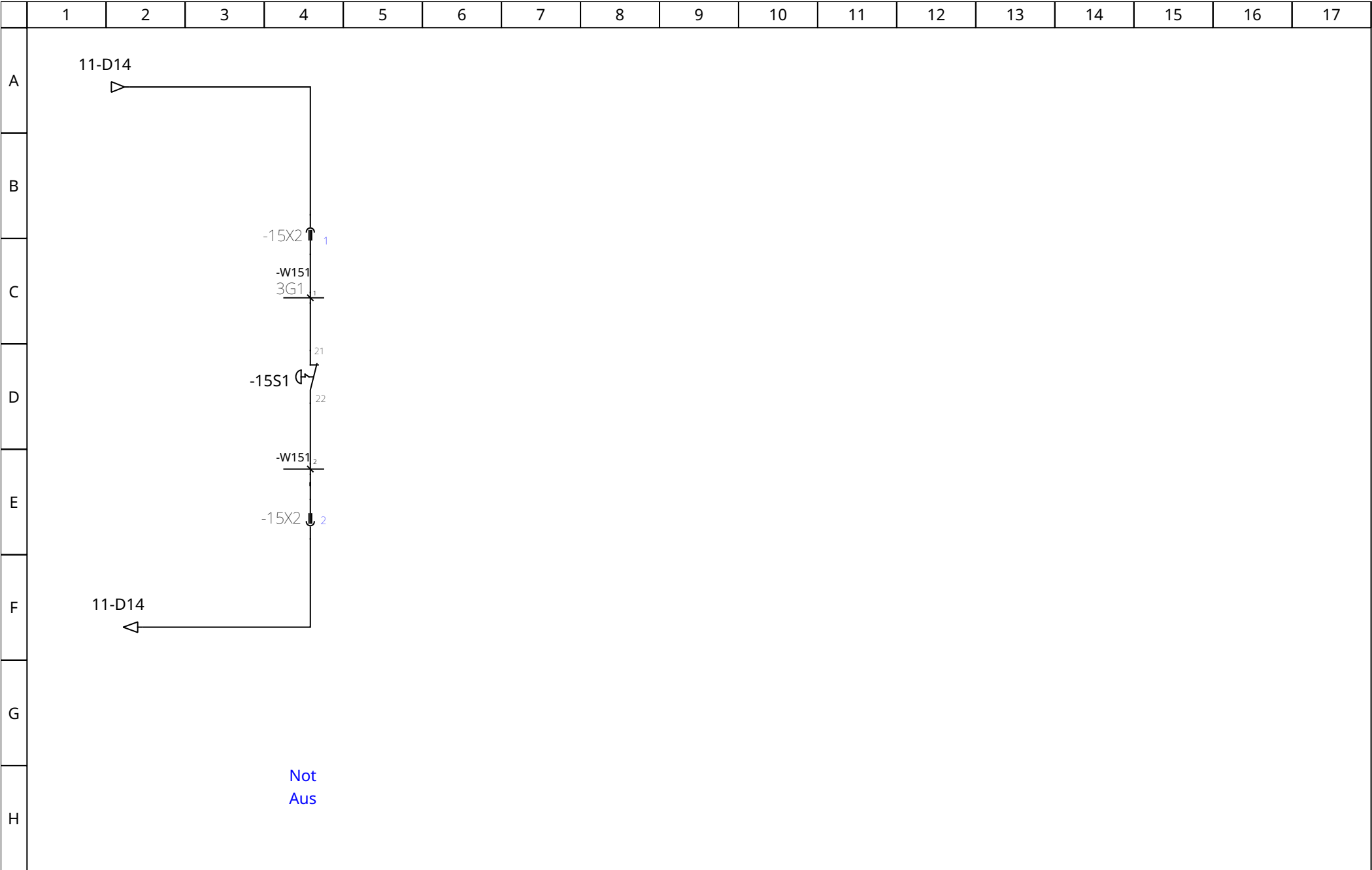


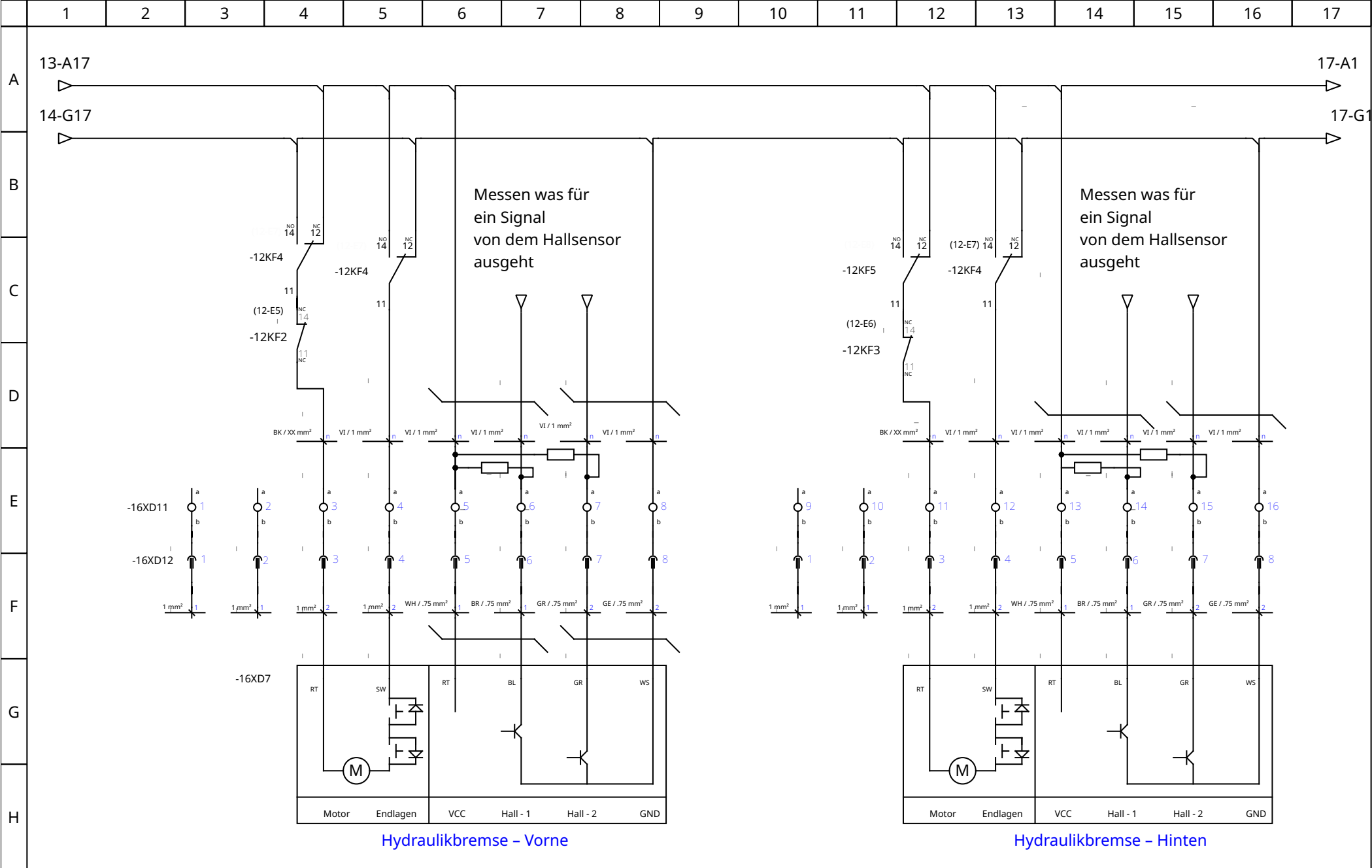
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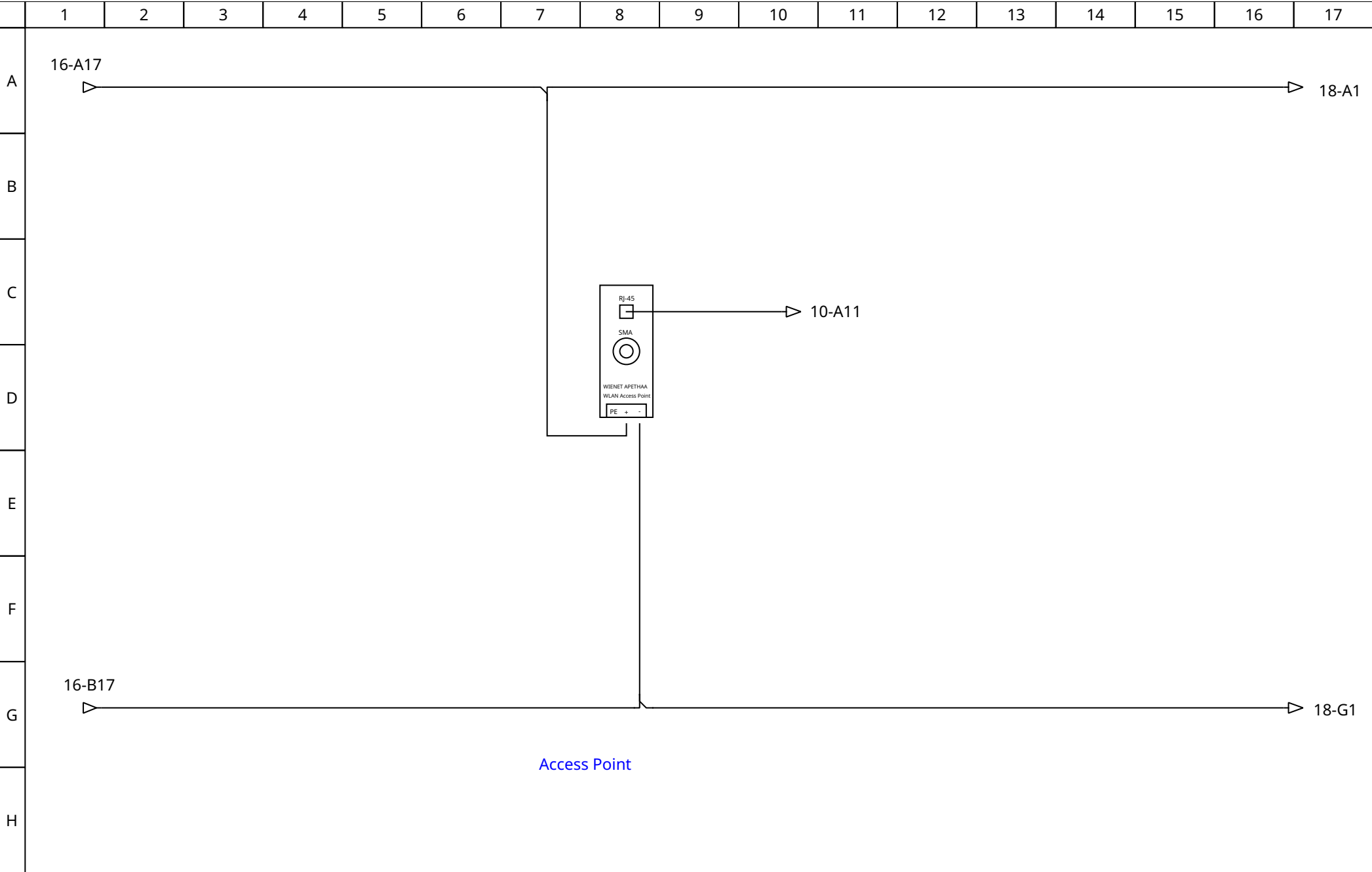


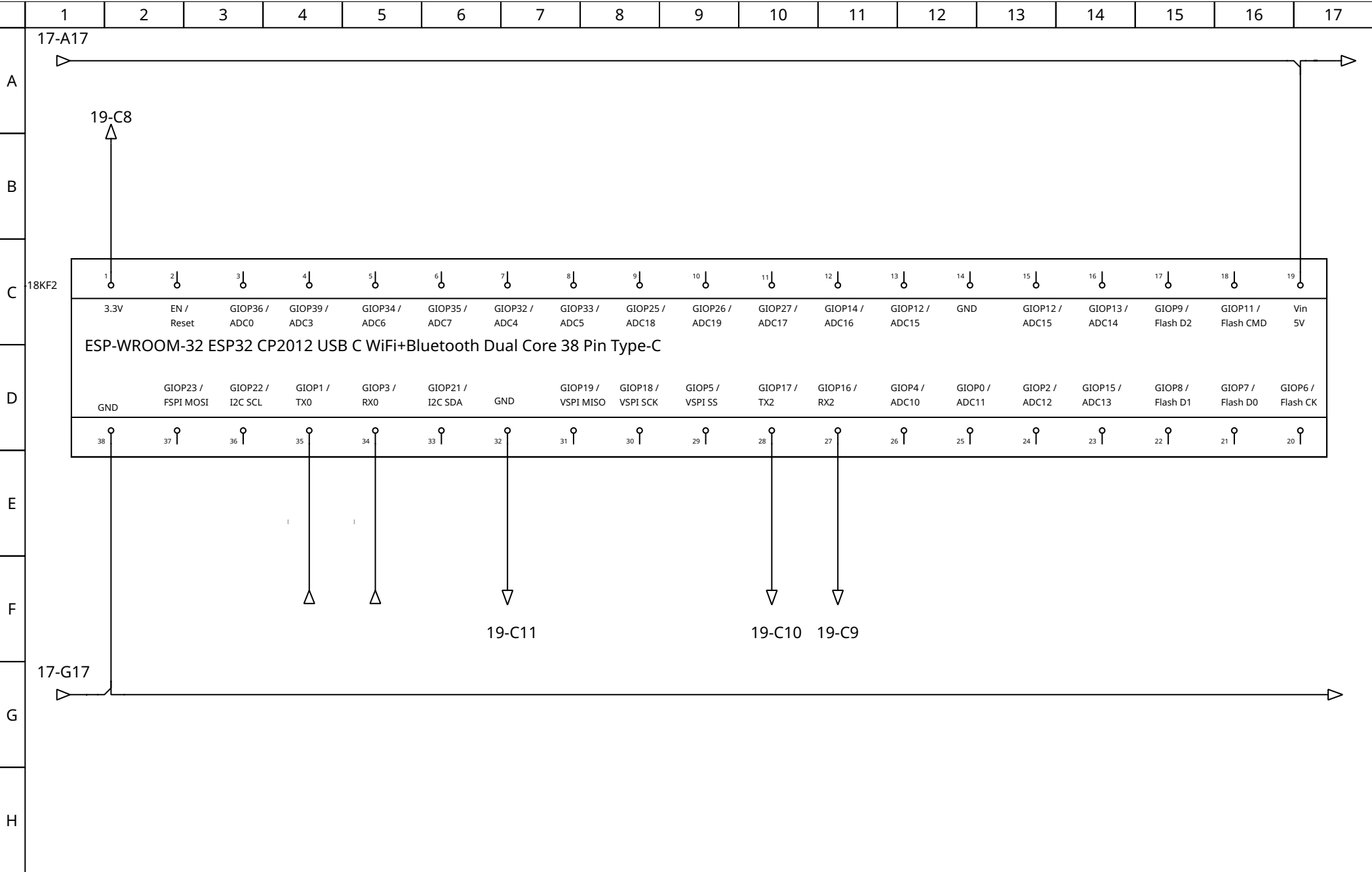












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