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Latest revision: ECO 121019, WI 426890
Page 110 & 120: Signal function divided up on CP/CS.



Lab/Office:
RARO SE/
RDM2

Manipulator circuit diagram

Status: 2022-04-04

APPROVED

Plant: = IRB 2600
Location: + Manipulator
Sublocation: +

Document no.
3HAC029570-007

Rev. Ind	Page 1
08	2
Total 19	

Prepared by, date: Erik Mesaros Approved by, date: Mats Larsson

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Valid for:

This circuit diagram is valid for the following cable harnesses assemblies:

- 1) 3HAC030006-001 Cable harness, basic.
- 2) 3HAC4050-1 Signal cable SMB.
- 3) 3HAC030936-001 Cable harness ax.7.
- 4) 3HAC035054-001 Lamp unit.
- 5) 3HAC035037-001 Cooling fan for ax.1 and ax.2.
- 6) 3HAC029896-001 Cable harness, customer connection.
- 7) 3HAC030006-001 Cable harness, basic.
- 8) 3HAC062484-001 Cable harness, multibus.
- 9) 3HAC035547-001 Cable harness, IRB 2600ID.
- 10) 3HAC037799-001 Cable harness, profibus.
- 11) 3HAC065220-001 Manipulator harness, Basic.
- 12) 3HAC065221-001 Manipulator harness, Customer.
- 13) 3HAC065222-001 Manipulator harness, Profibus.
- 14) 3HAC065223-001 Manipulator harness, Multibus.

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Manipulator circuit diagram

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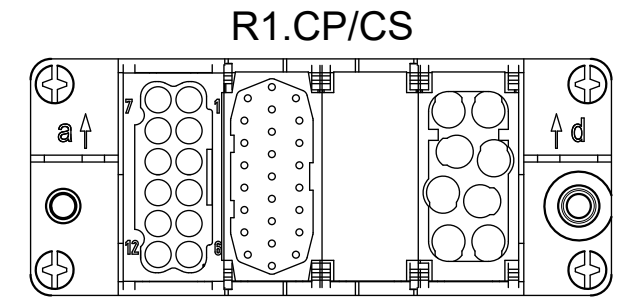
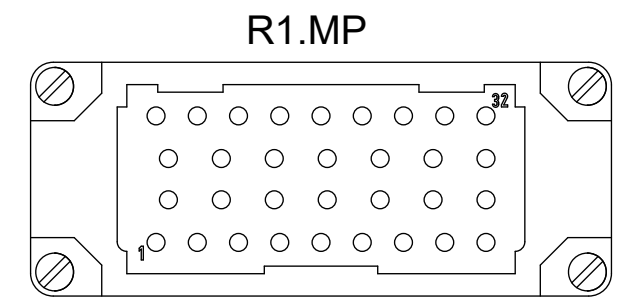
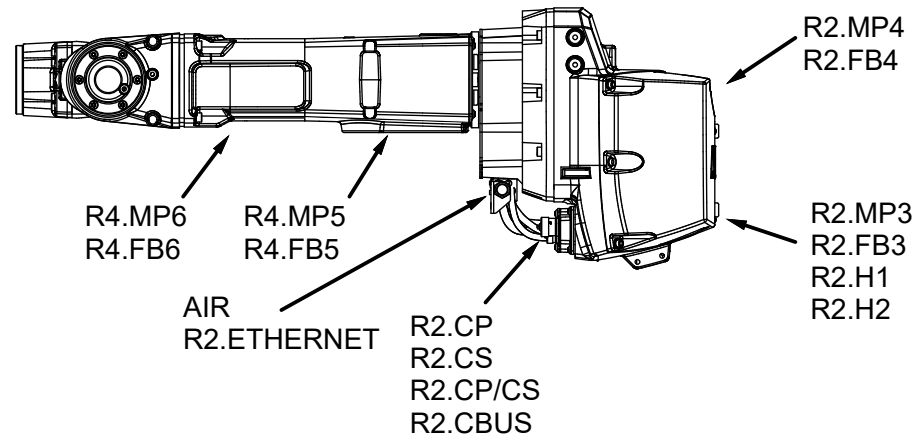
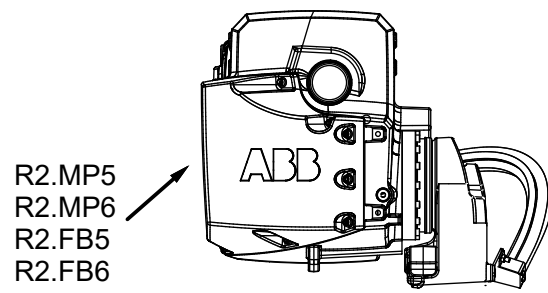
Plant: = IRB 2600
Location: + Manipulator
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08

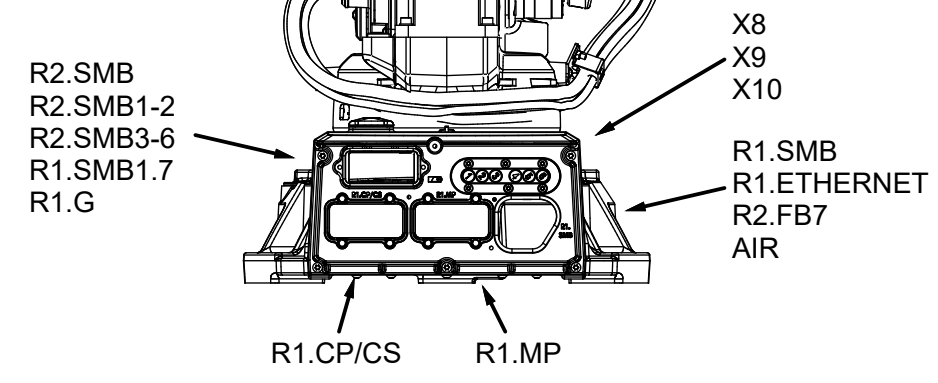
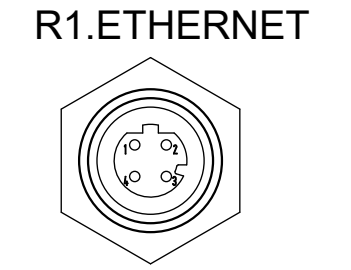
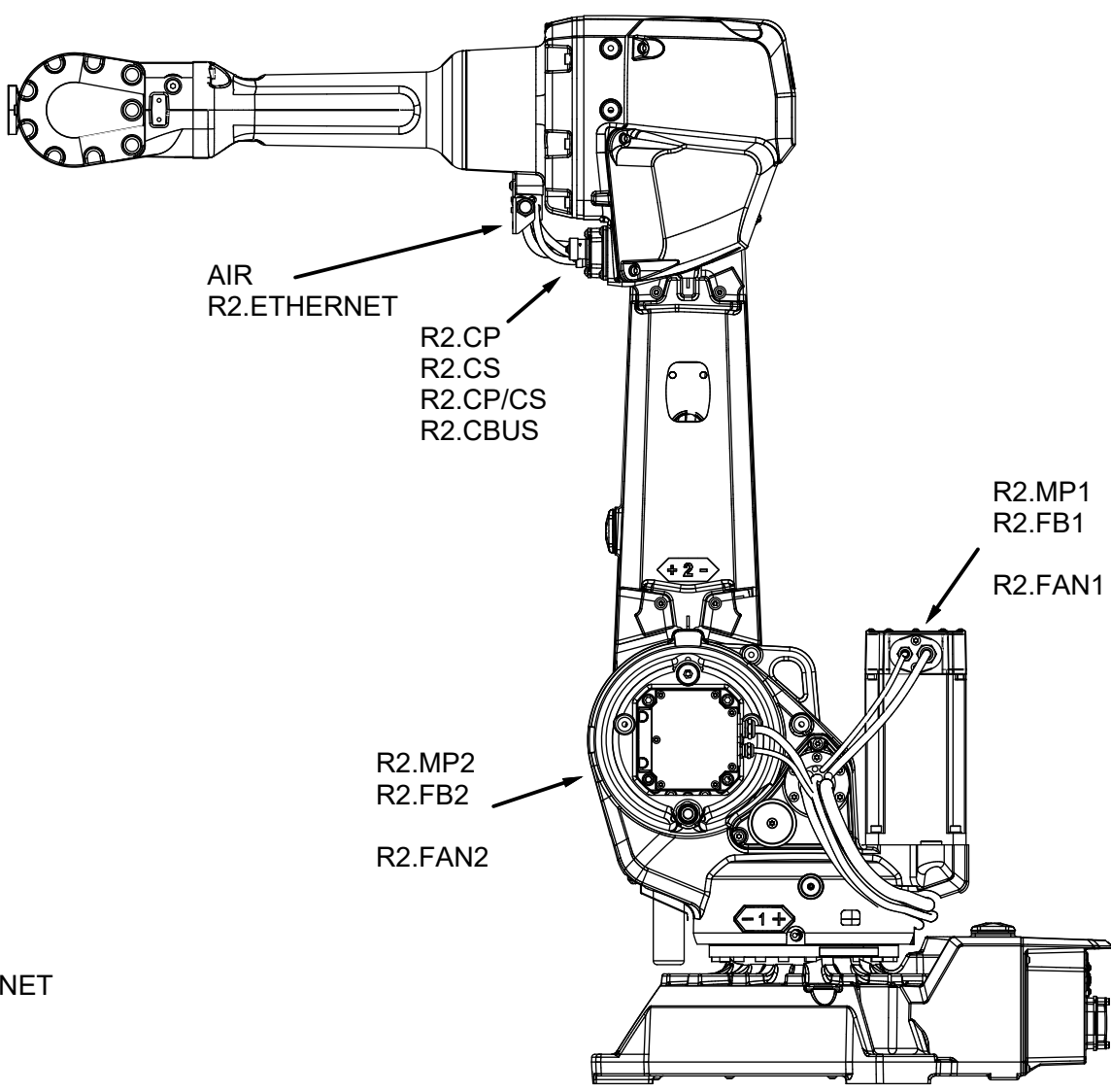
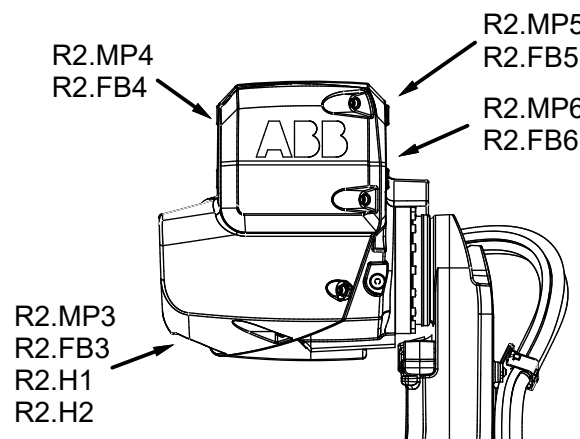
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Total 19

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IRB 2600ID



IRB 2600



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
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Manipulator circuit diagram
Connection point location
IRB 2600

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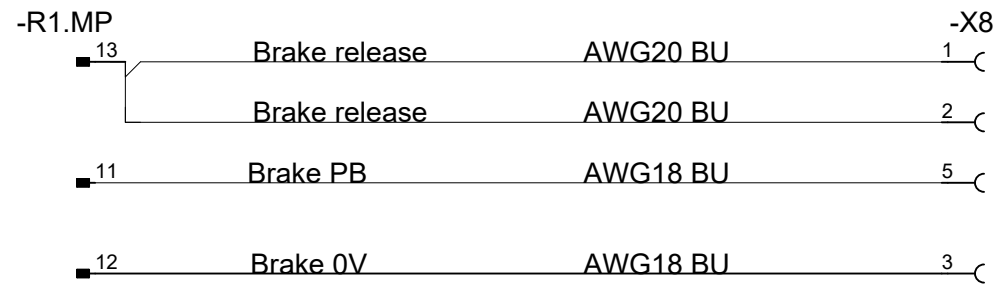
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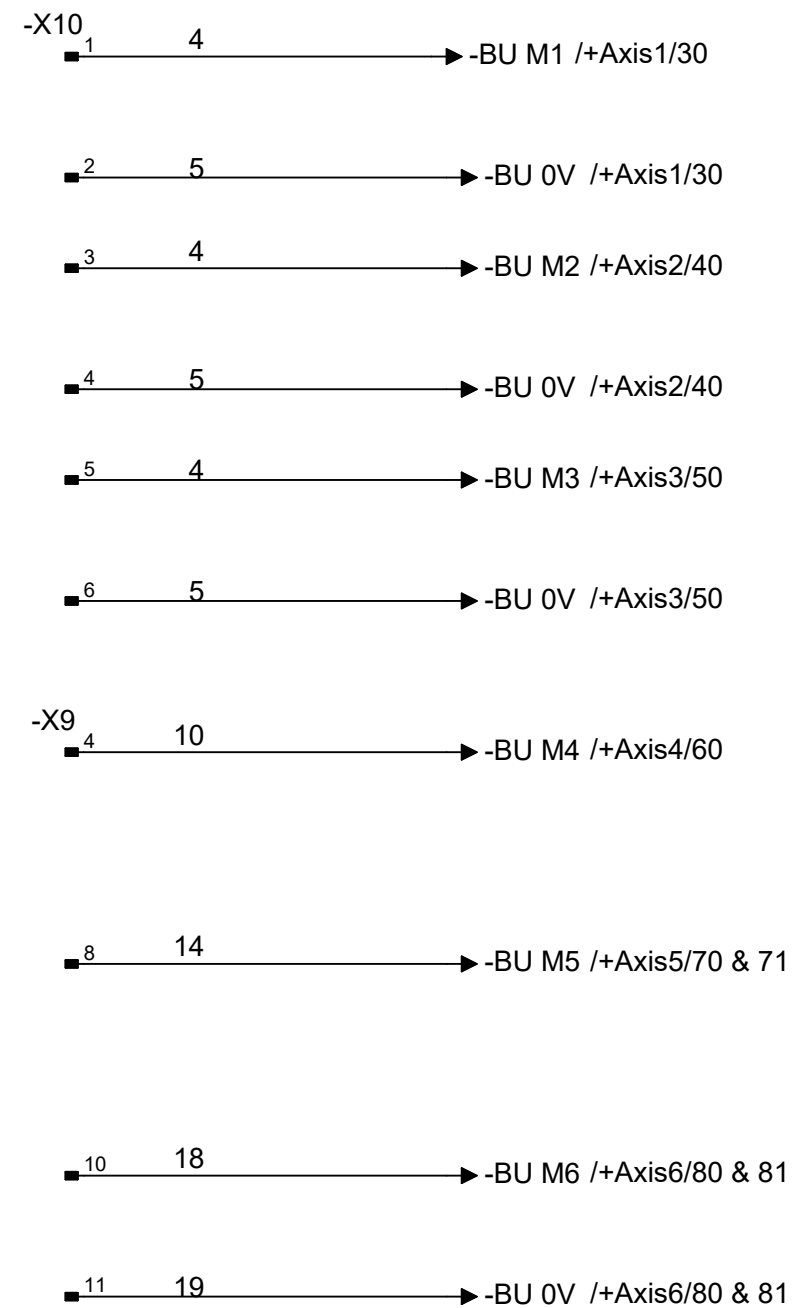
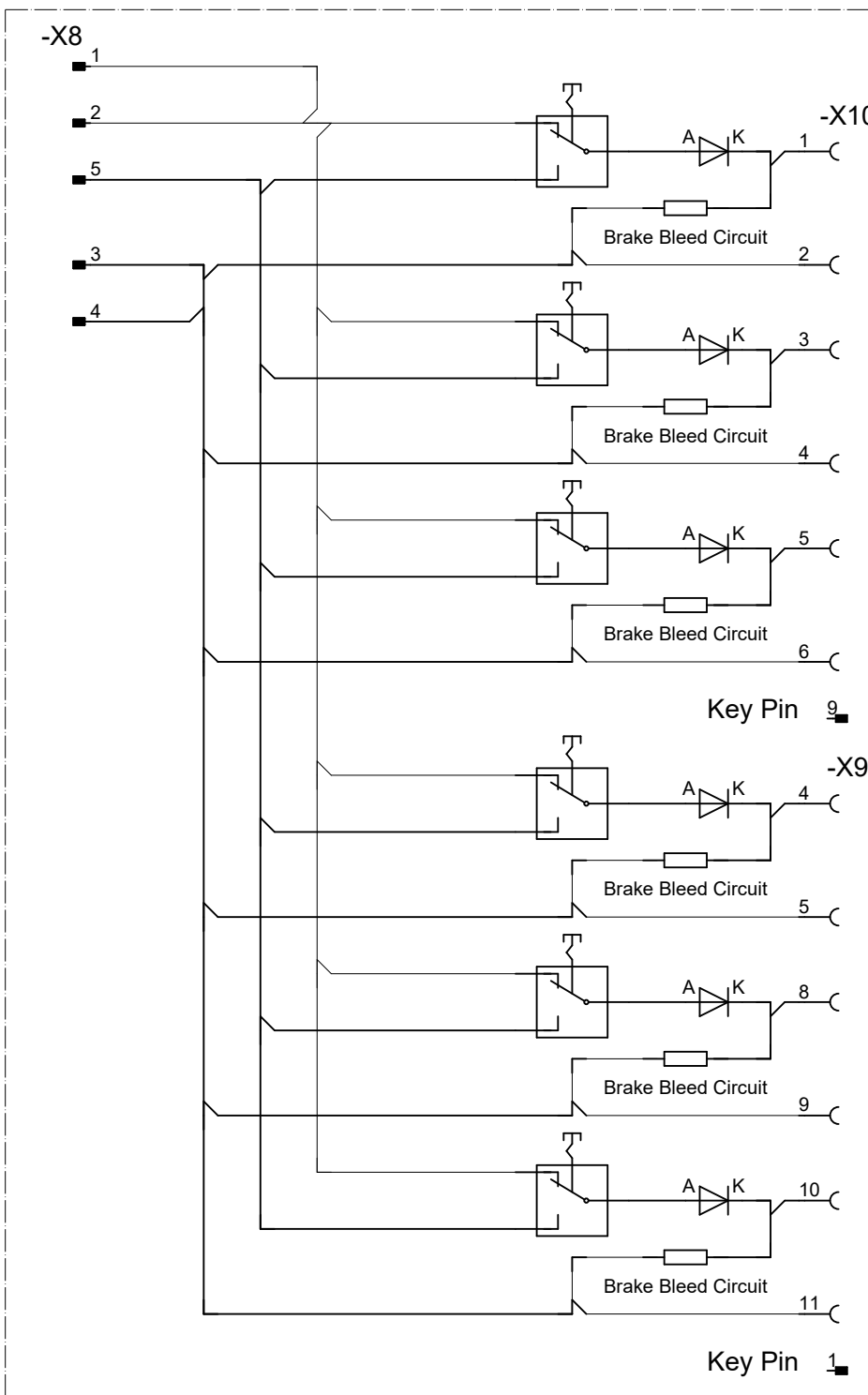
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M	Motor			Protective Earth
R	Resolver			Twisted wires
G	Battery Pack			Screened wires
BU	Brake Release Unit			Screen connected to earth
FB	Feedback unit			
SMB	Serial Measurment Board			
Keypin	Location pin to avoid mismatch			
<u>NC</u>	Not connected wire			

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BU Brake Release (Simplified)



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Manipulator circuit diagram

Brake Release Unit

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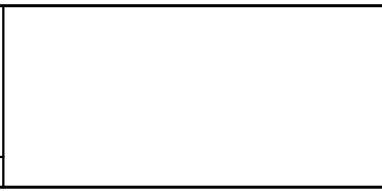
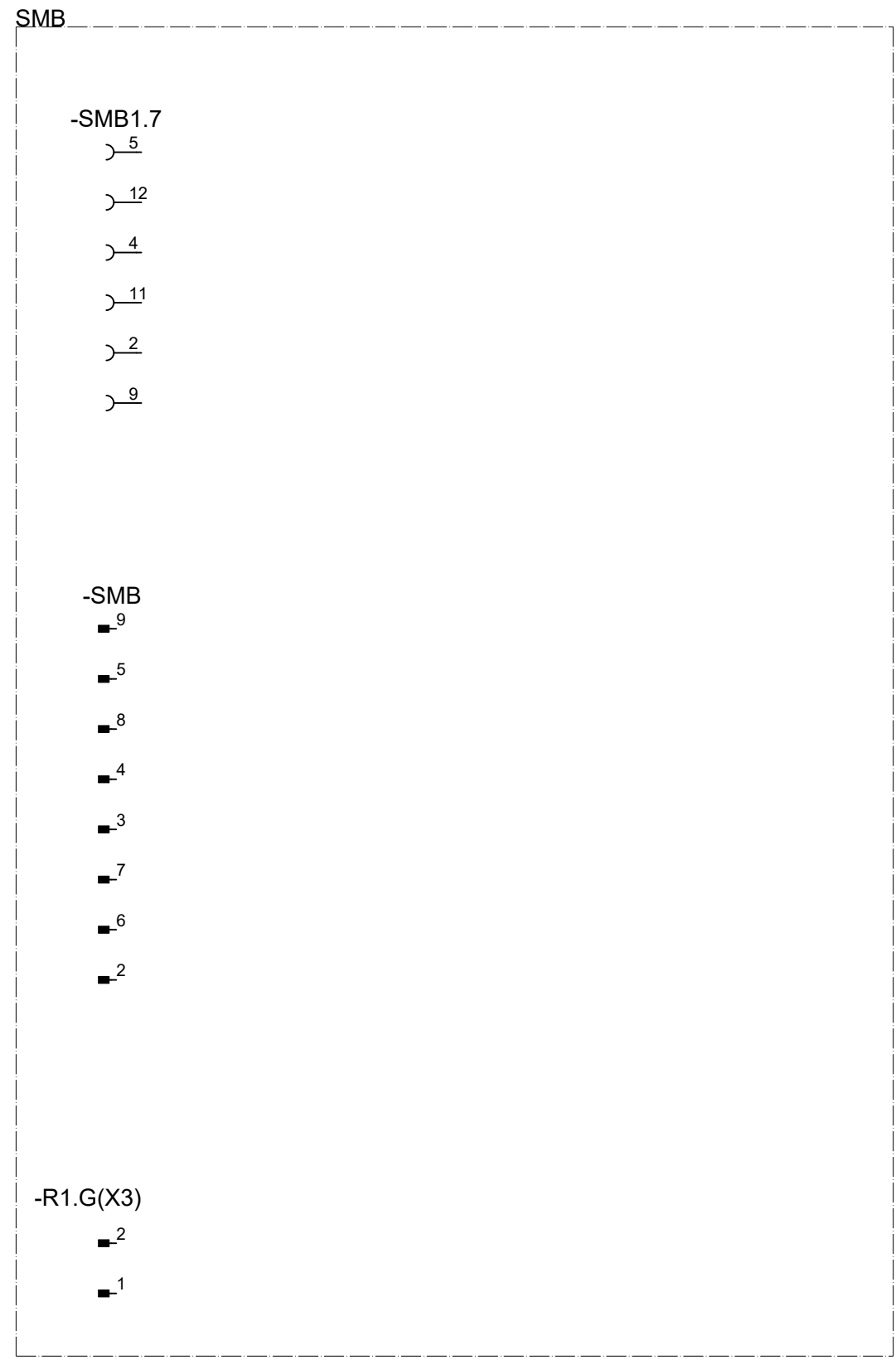
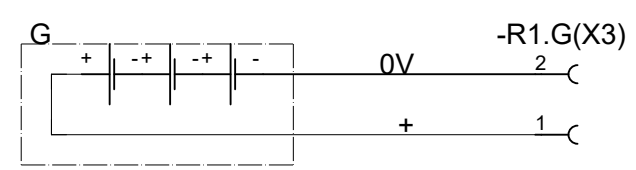
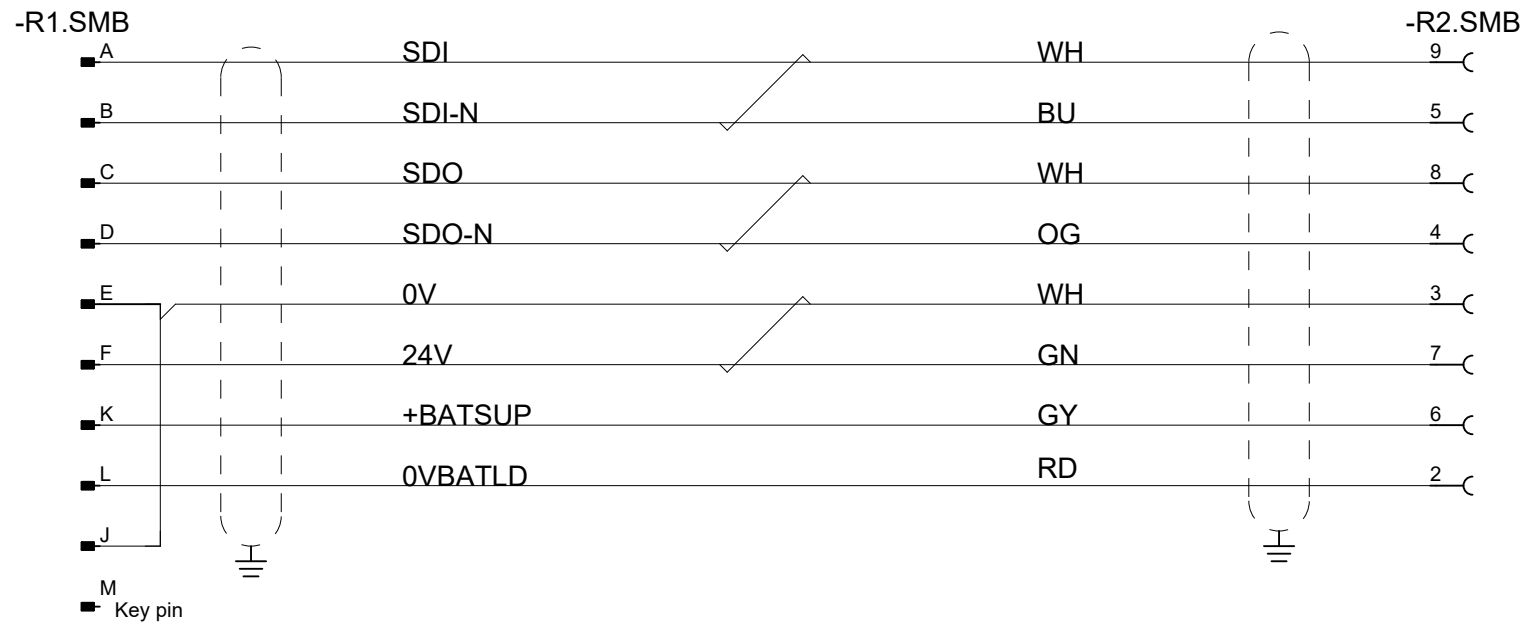
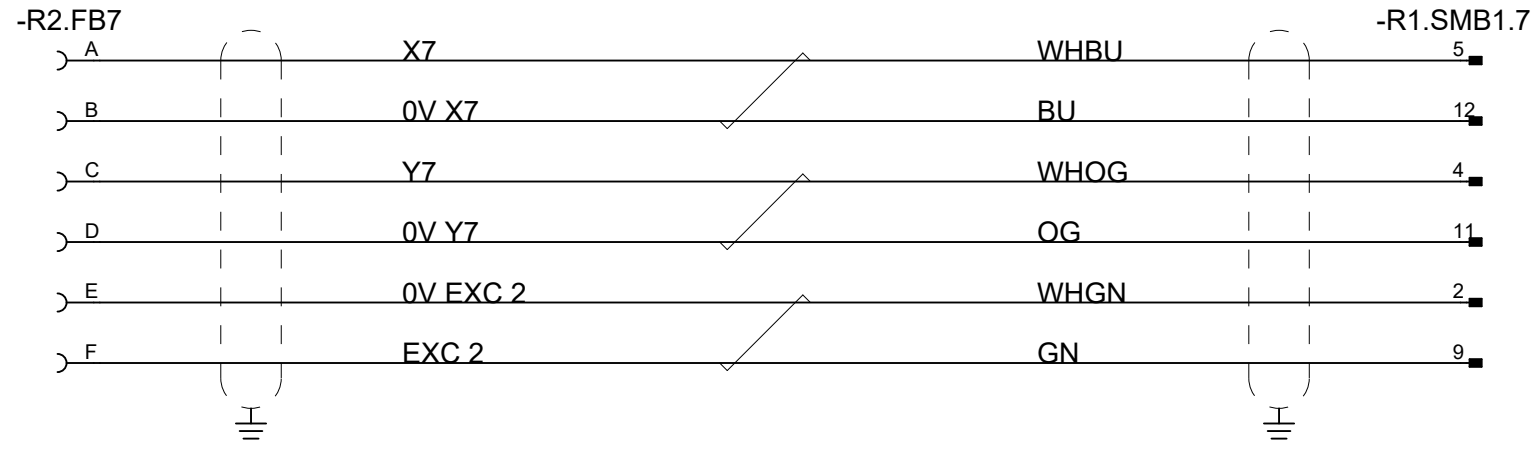
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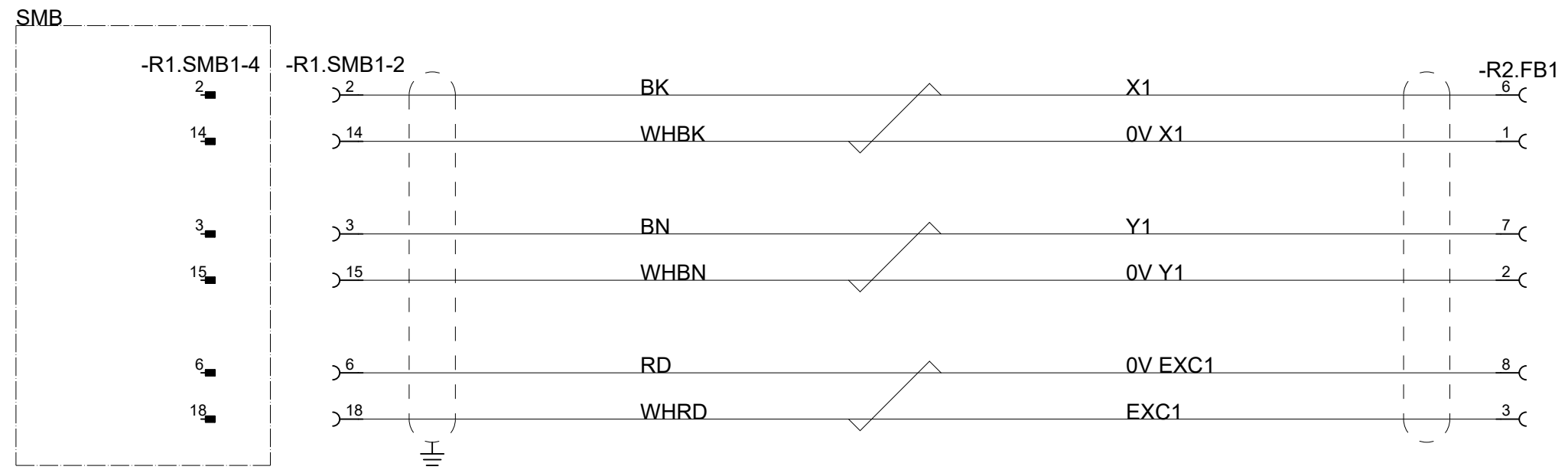
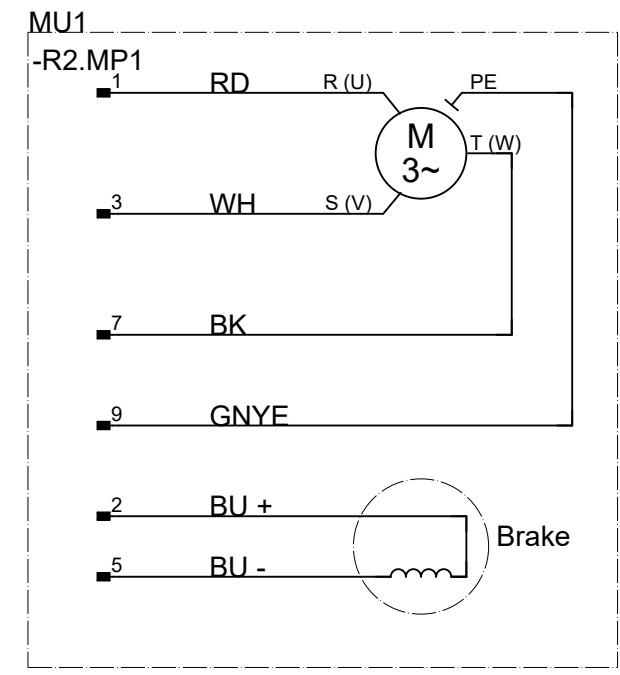
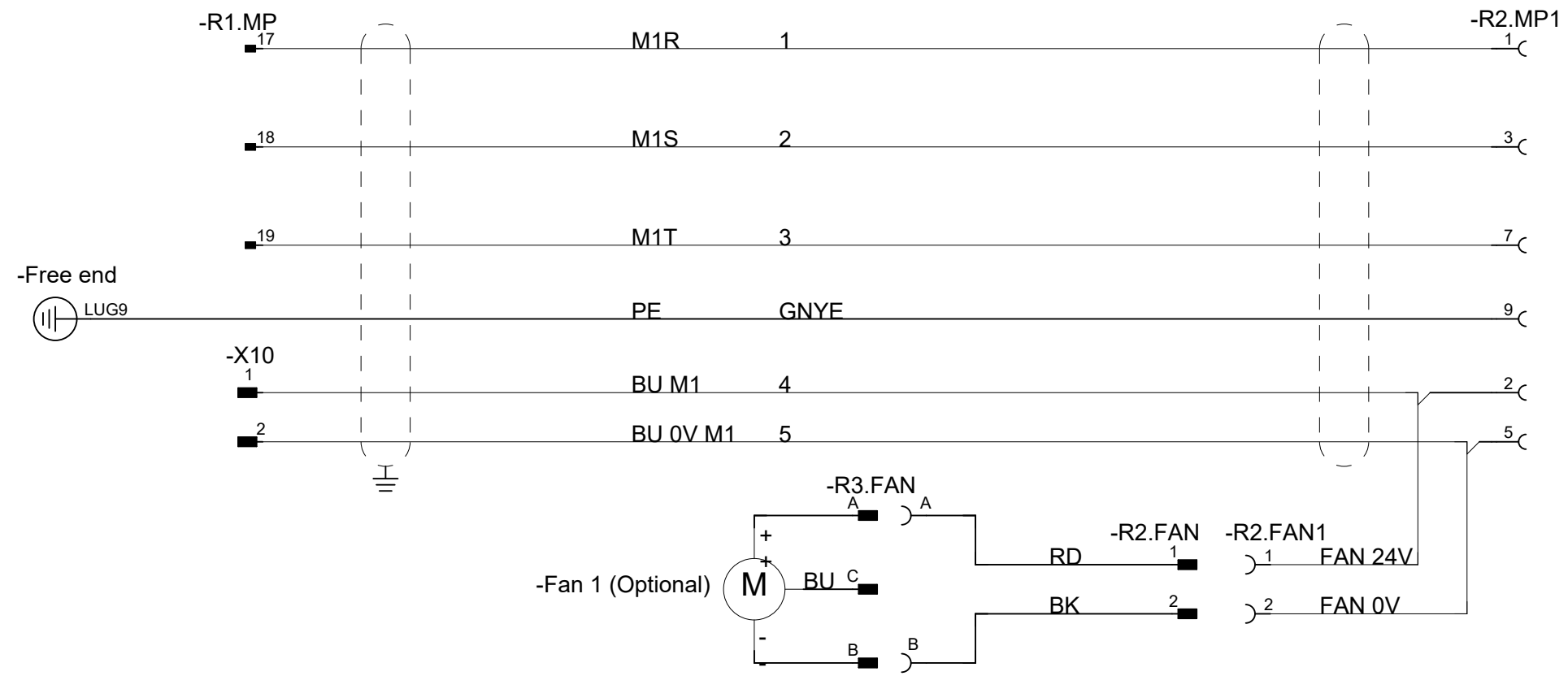
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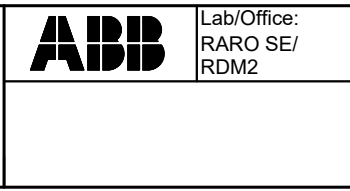


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Manipulator circuit diagram

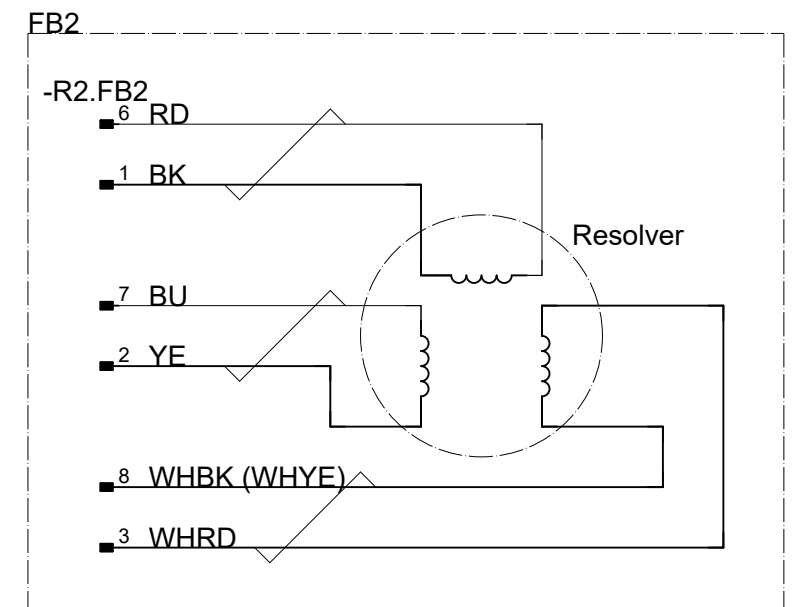
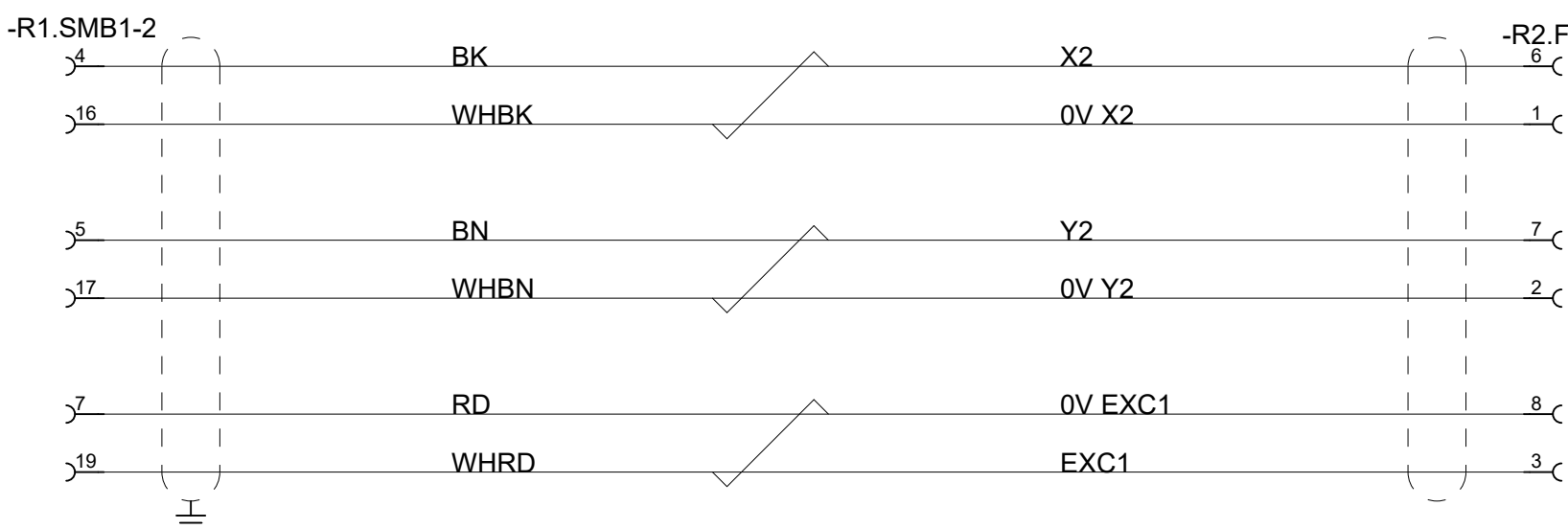
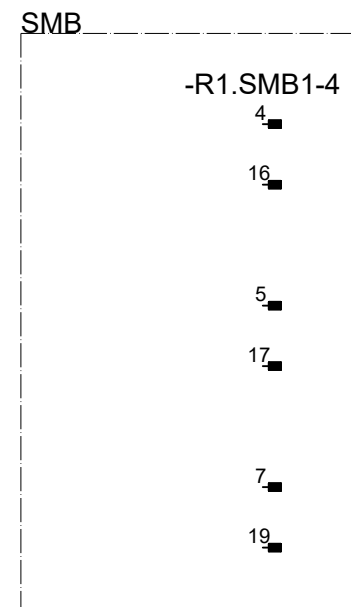
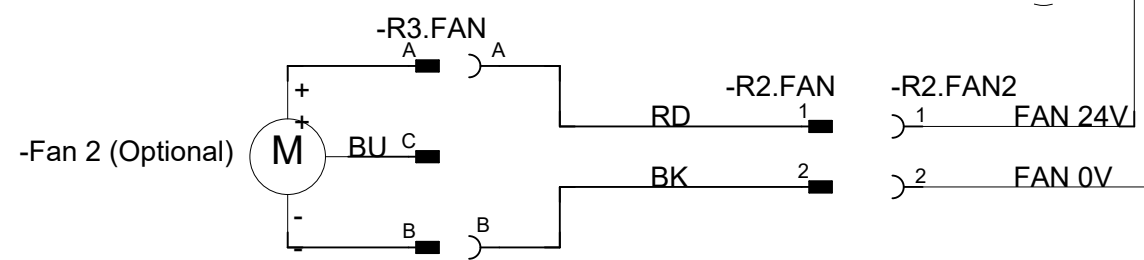
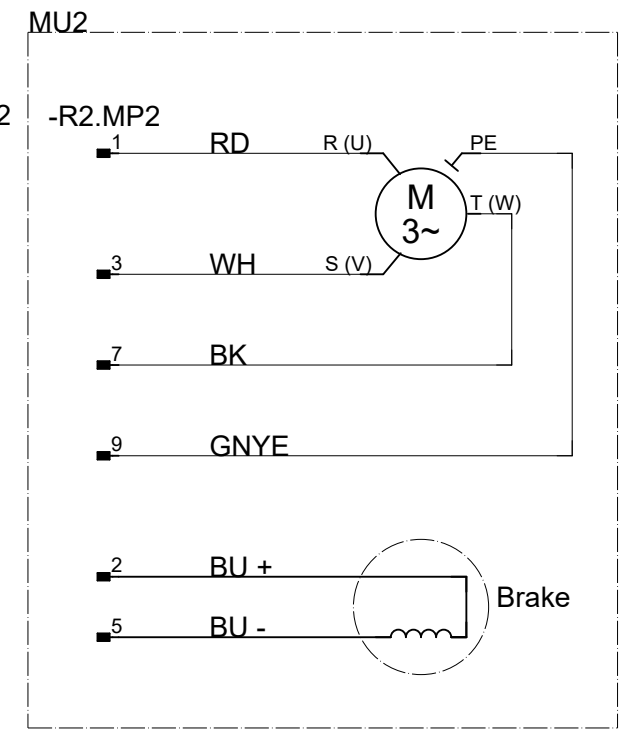
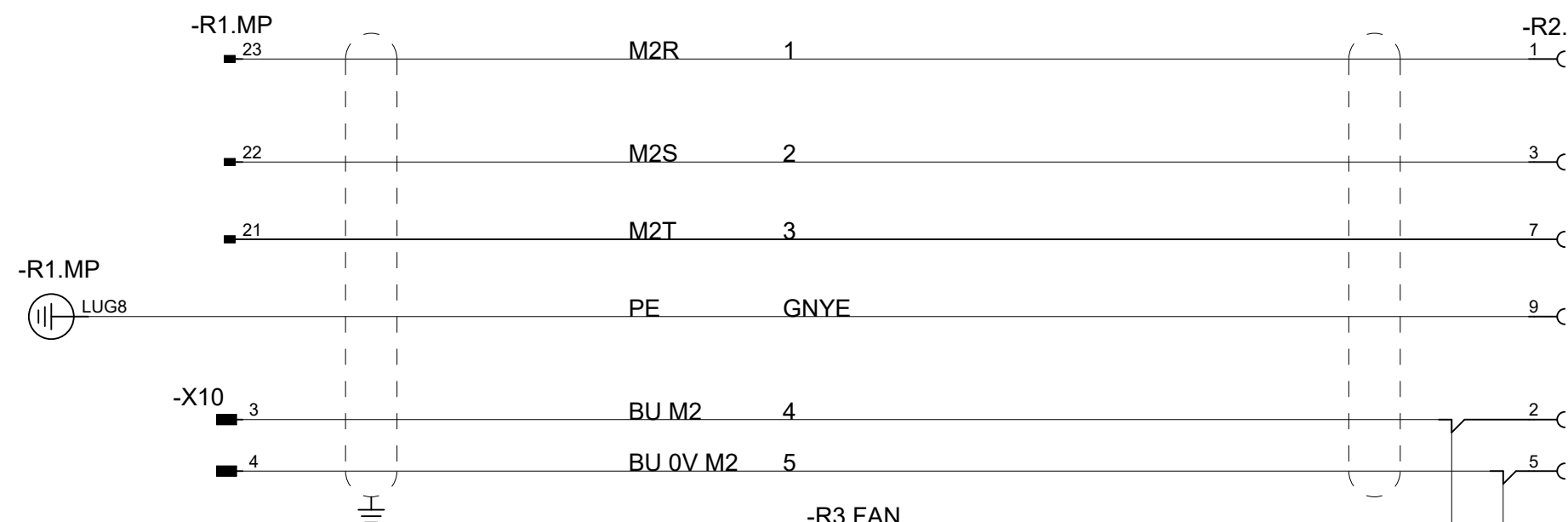
Axis 1
IRB 2600

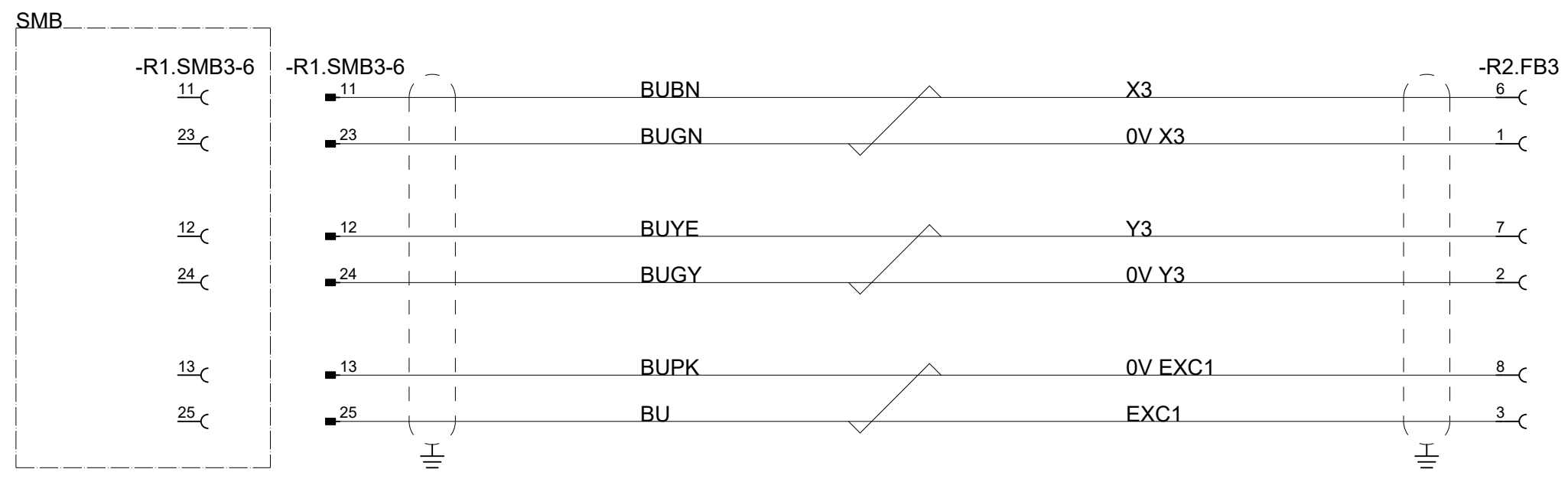
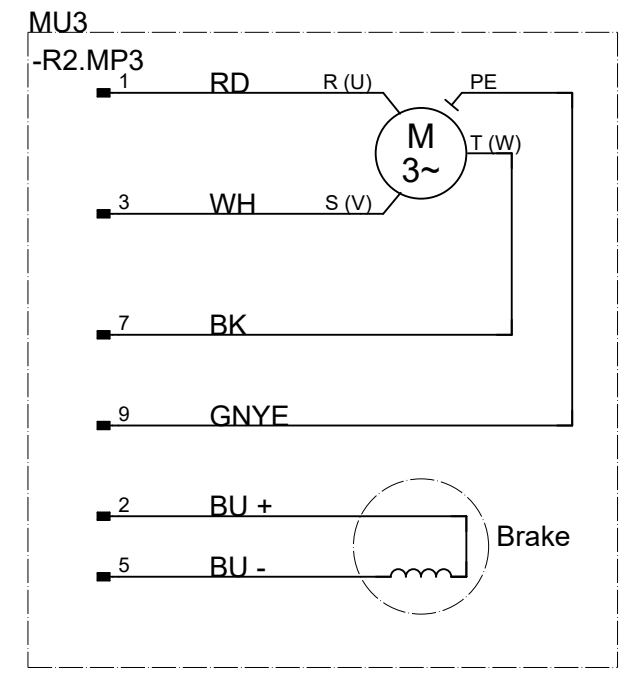
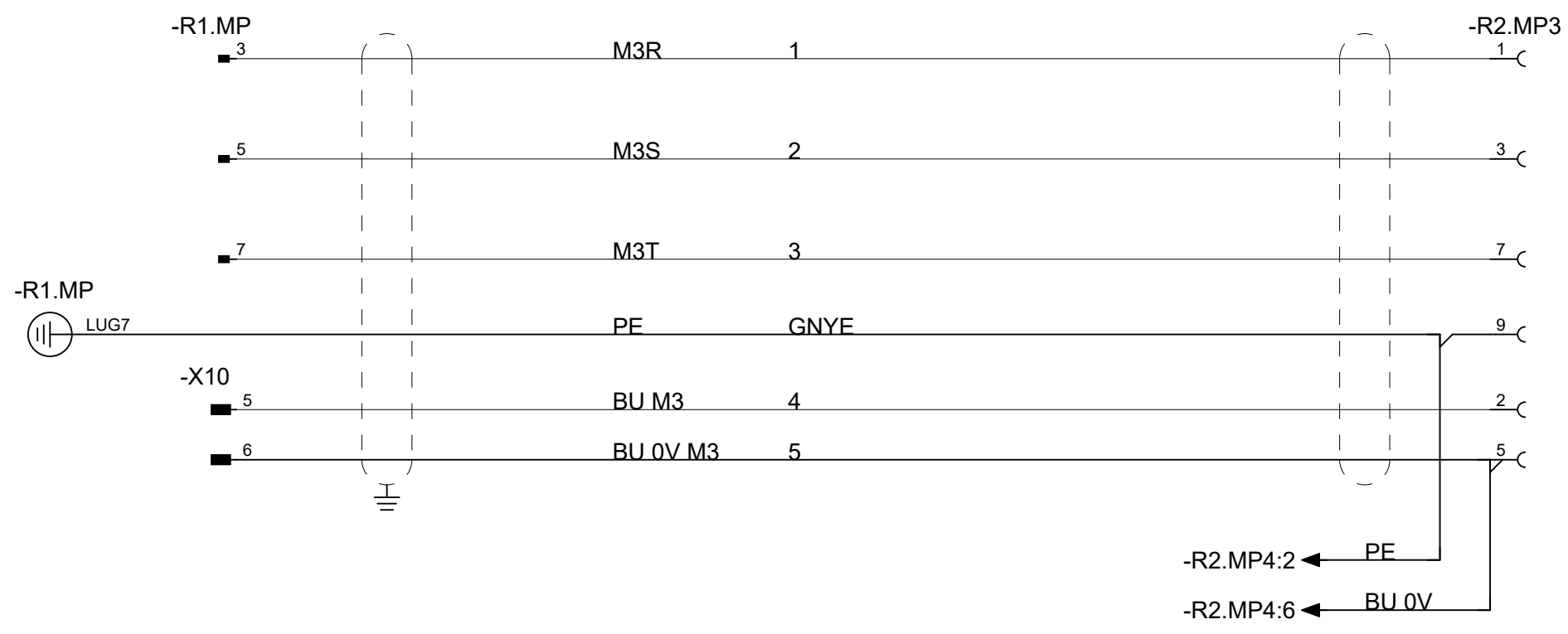
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Location: + Axis 1
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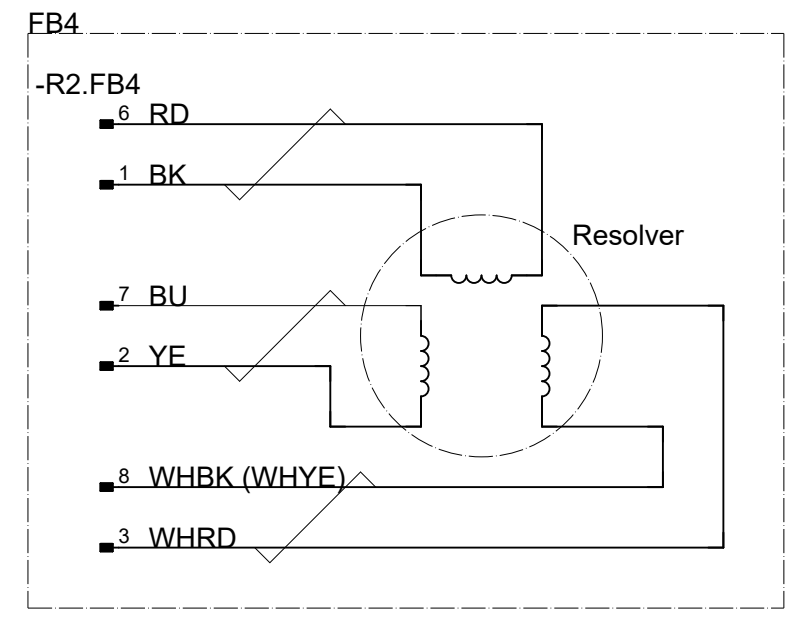
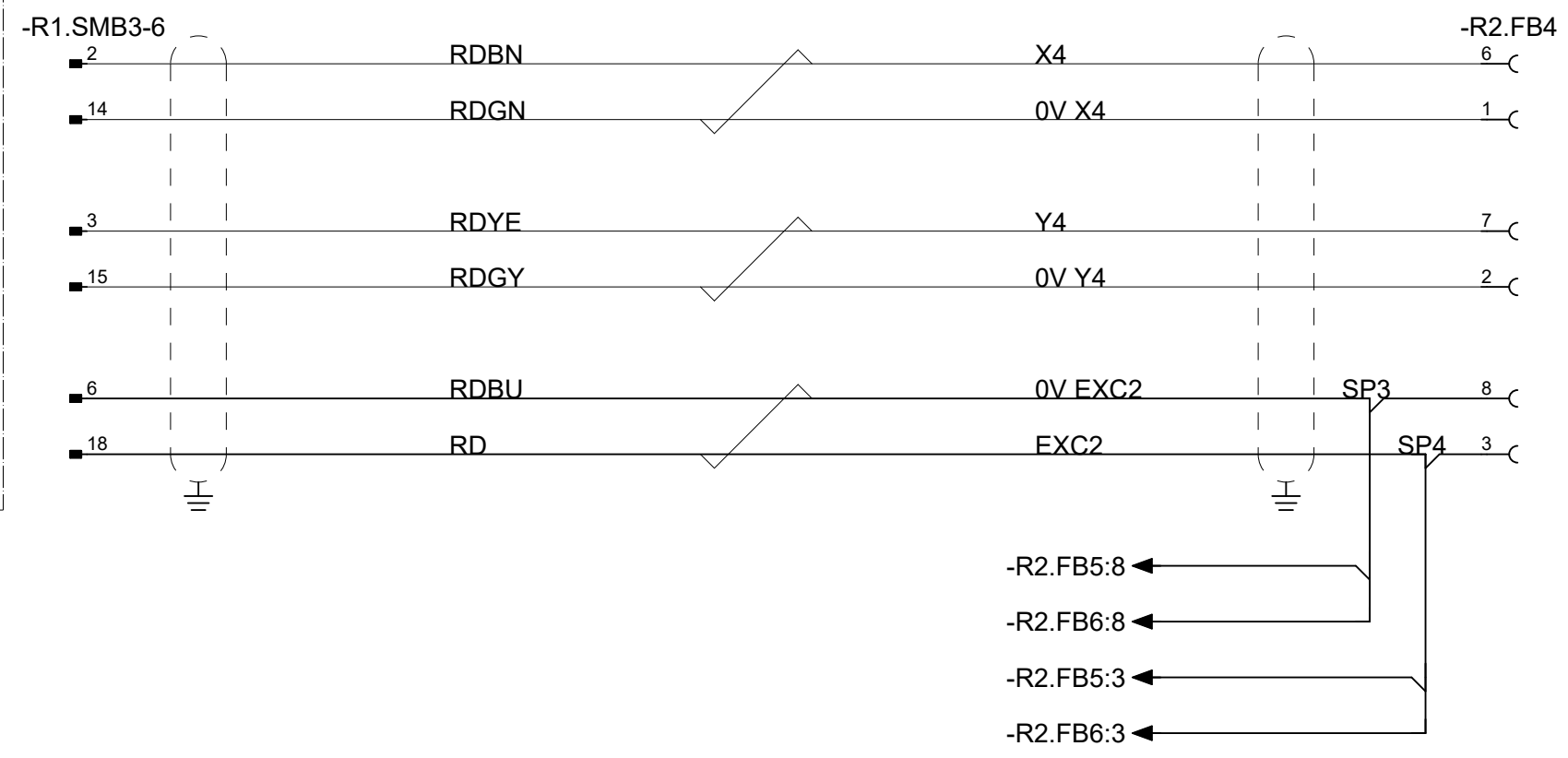
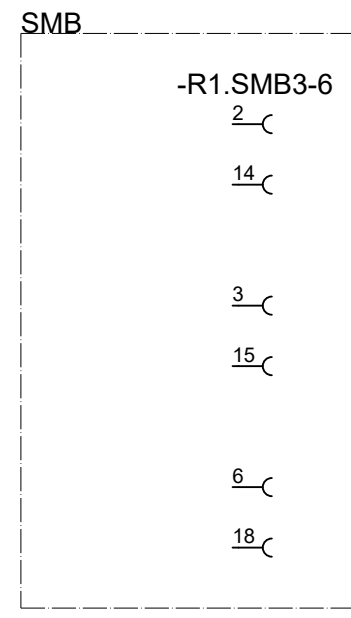
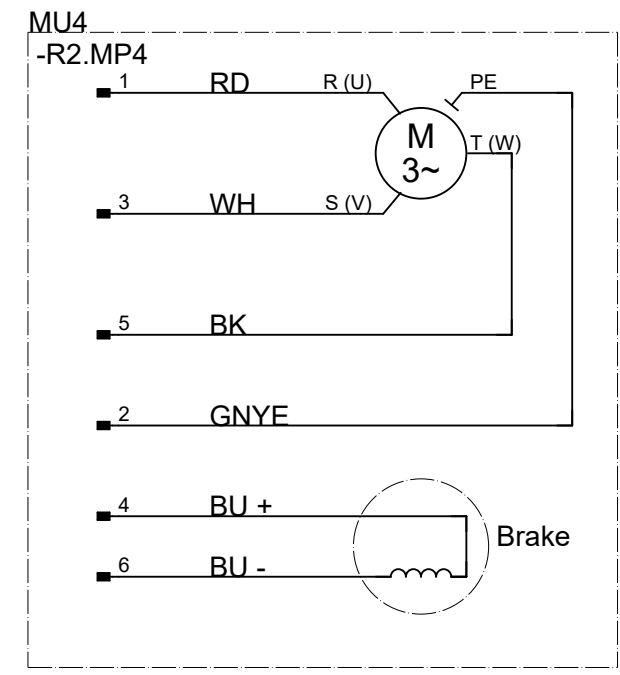
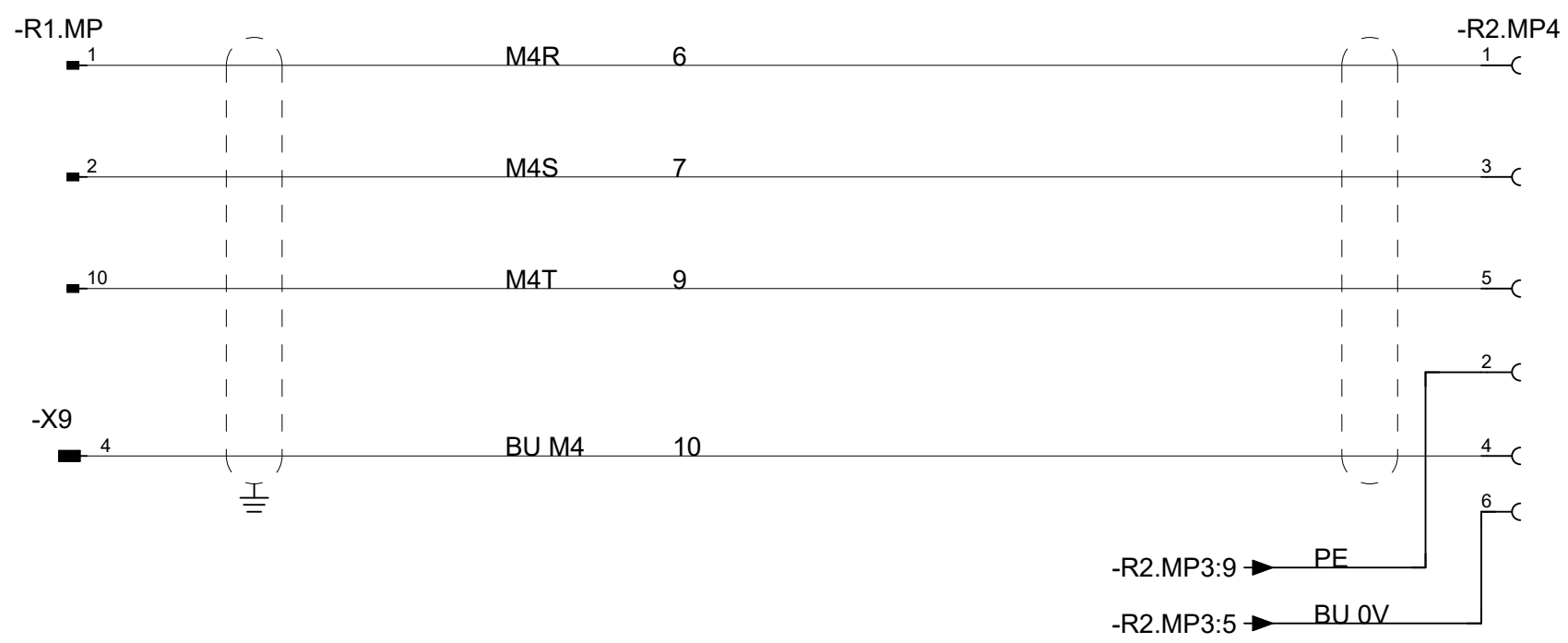
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Manipulator circuit diagram
 Axis 3
 IRB 2600

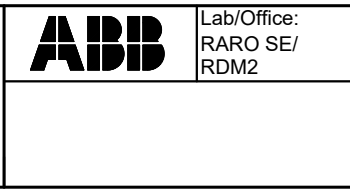
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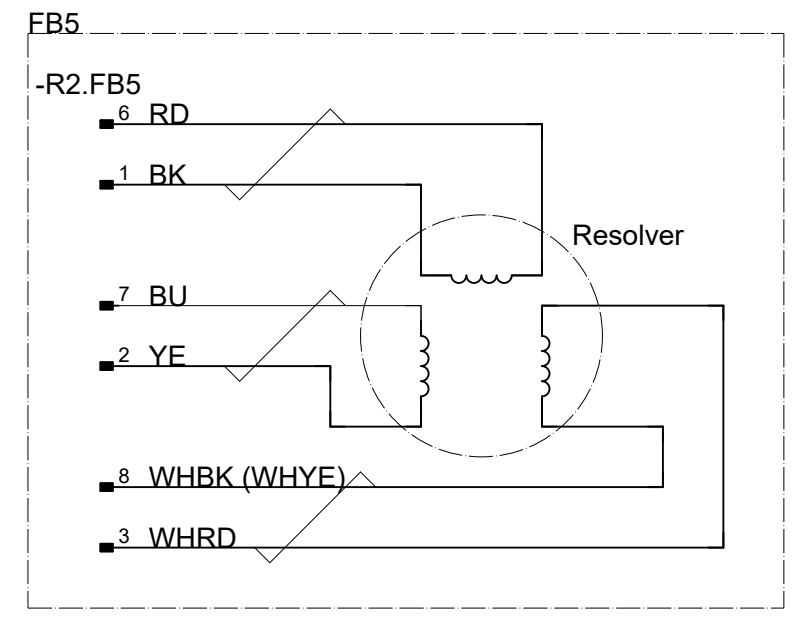
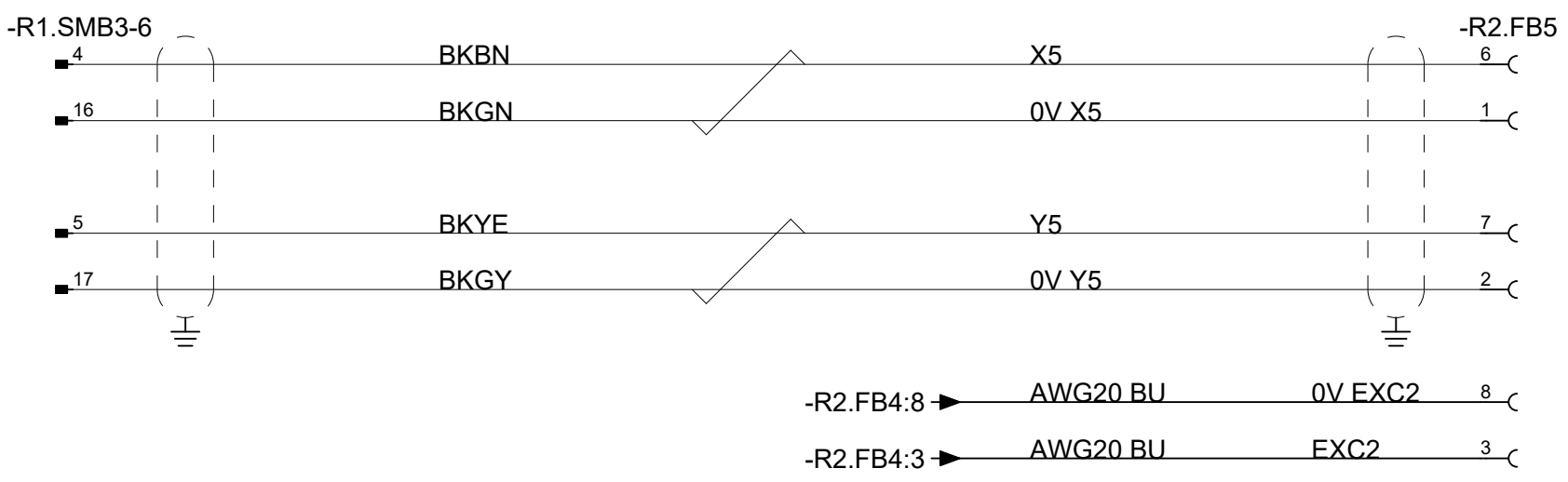
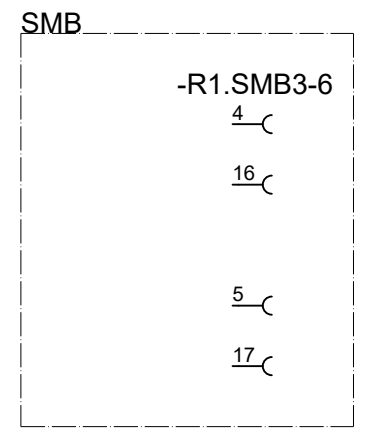
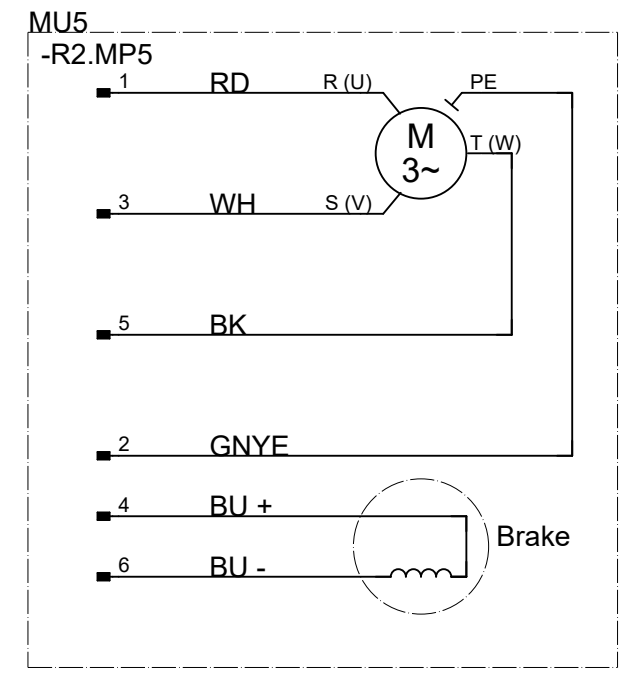
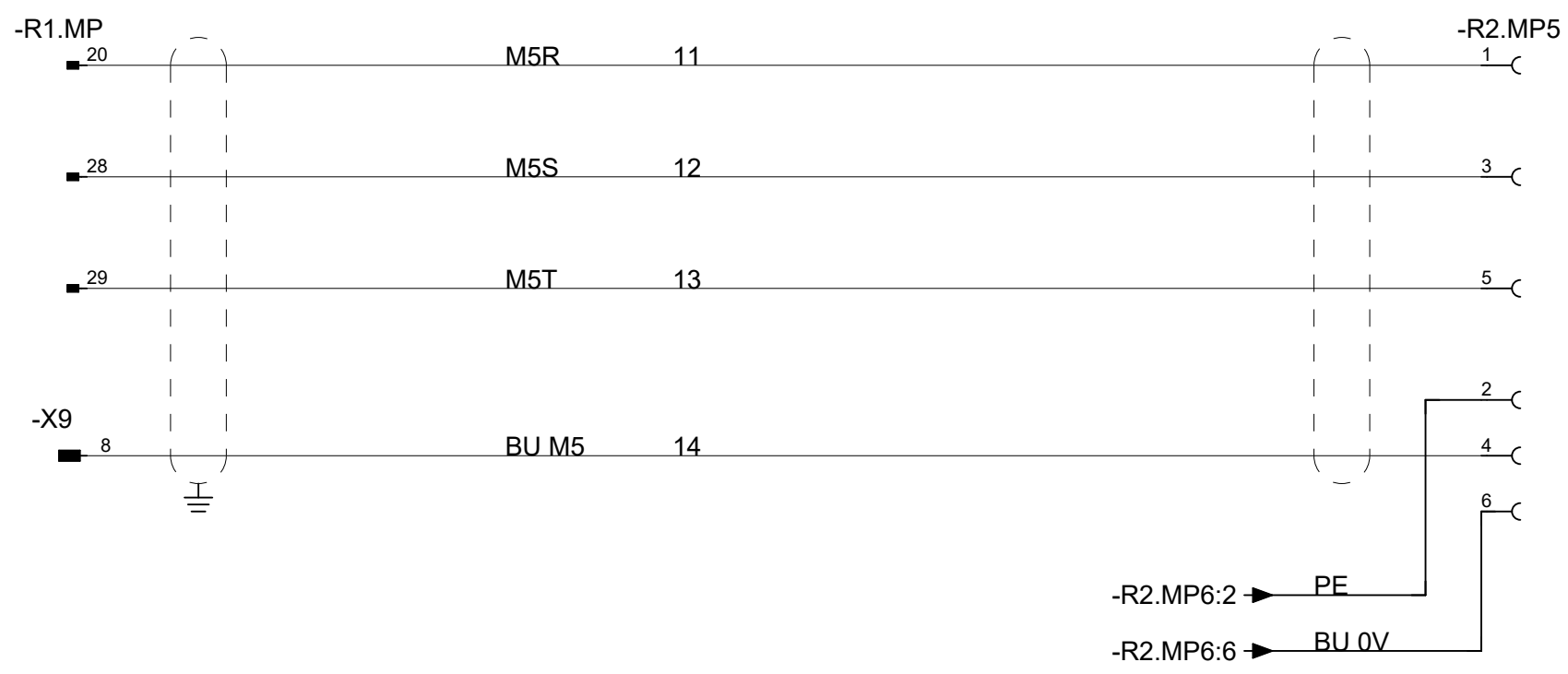
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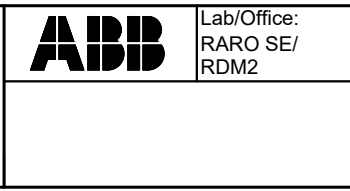
Manipulator circuit diagram
 Axis 4
 IRB 2600

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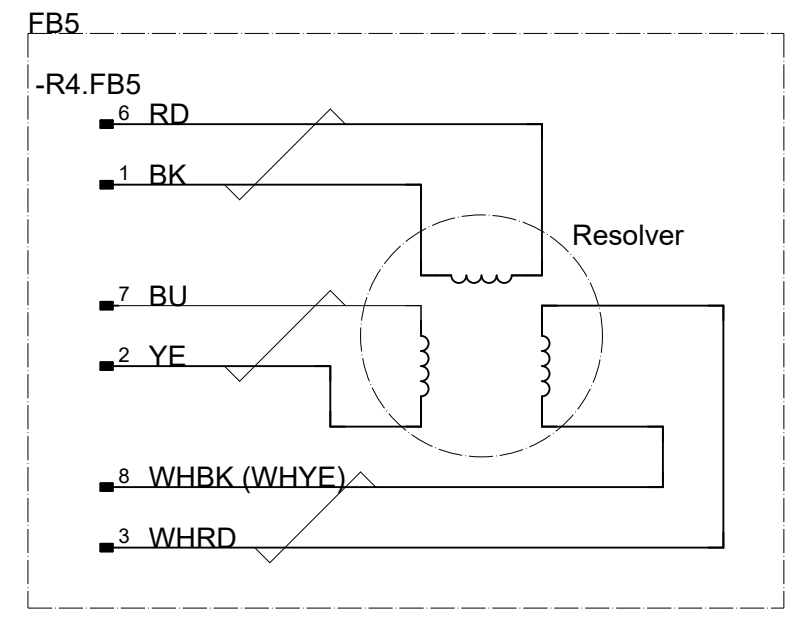
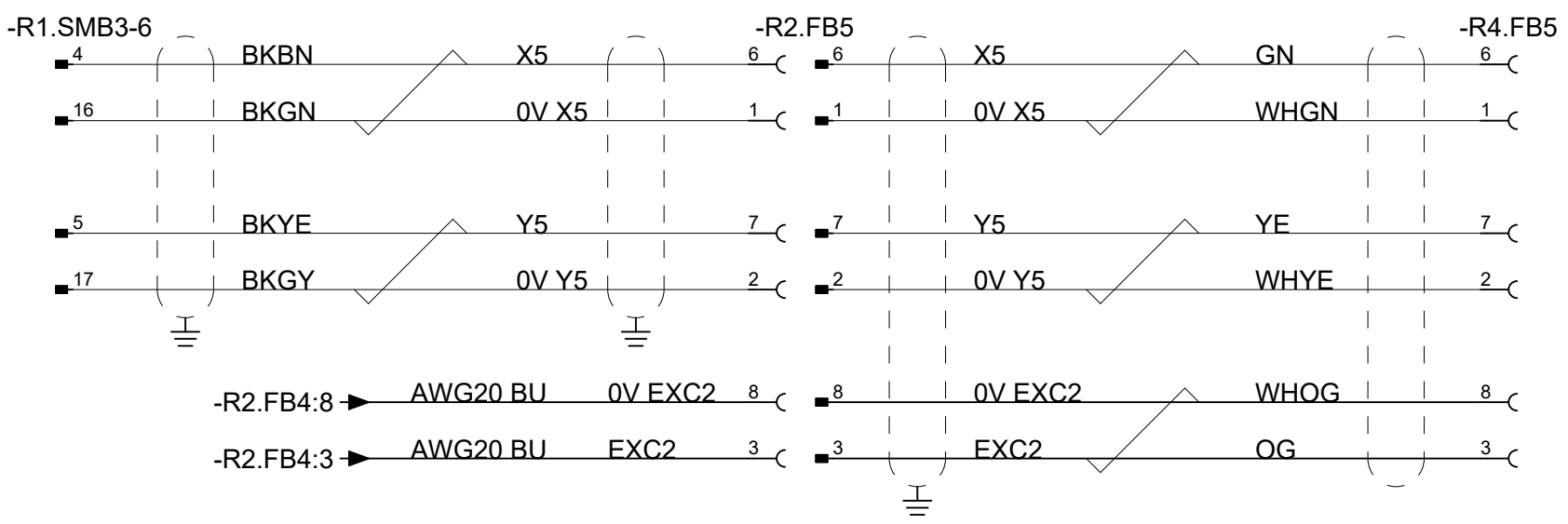
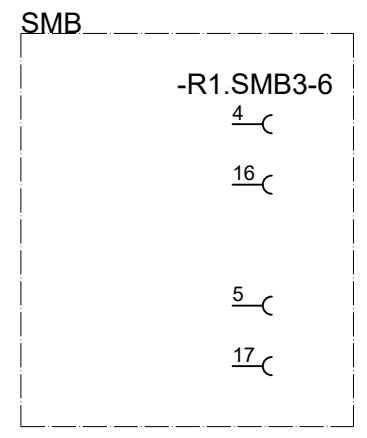
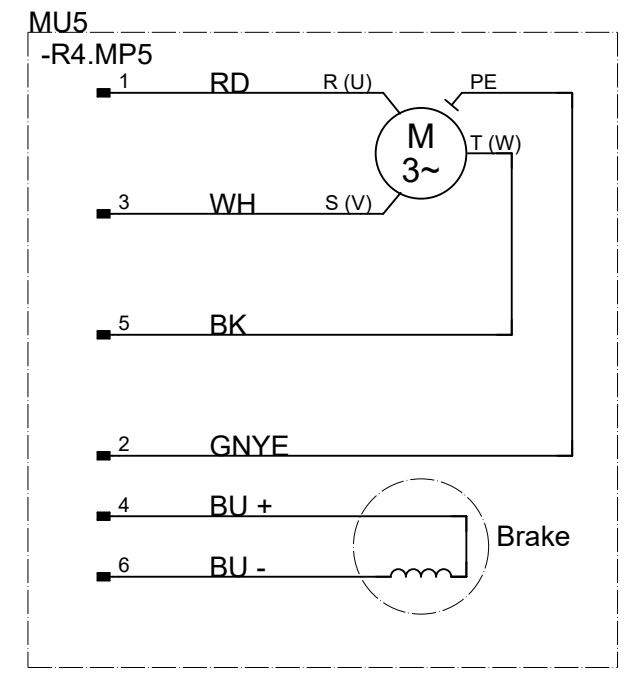
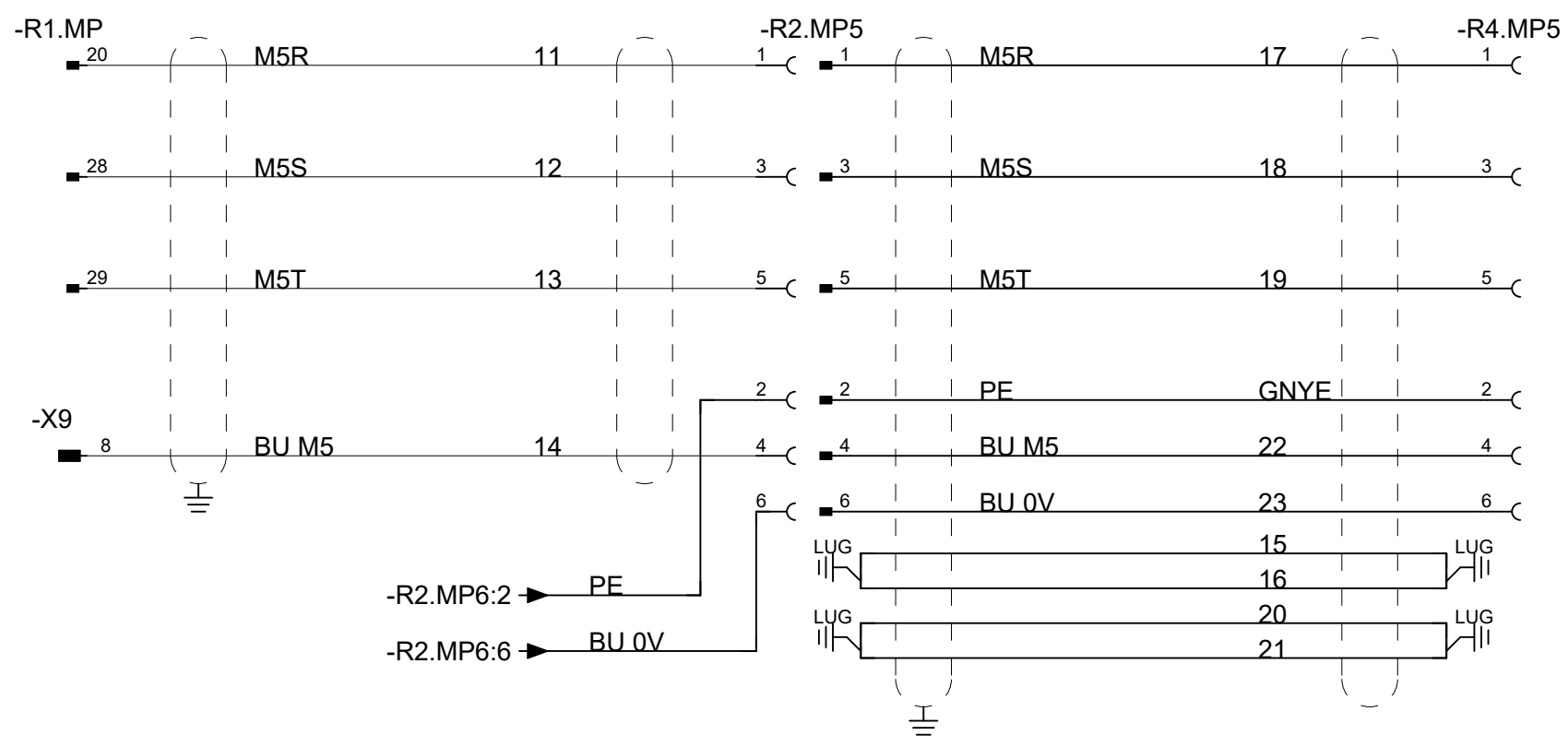
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Manipulator circuit diagram
 Axis 5
 IRB 2600

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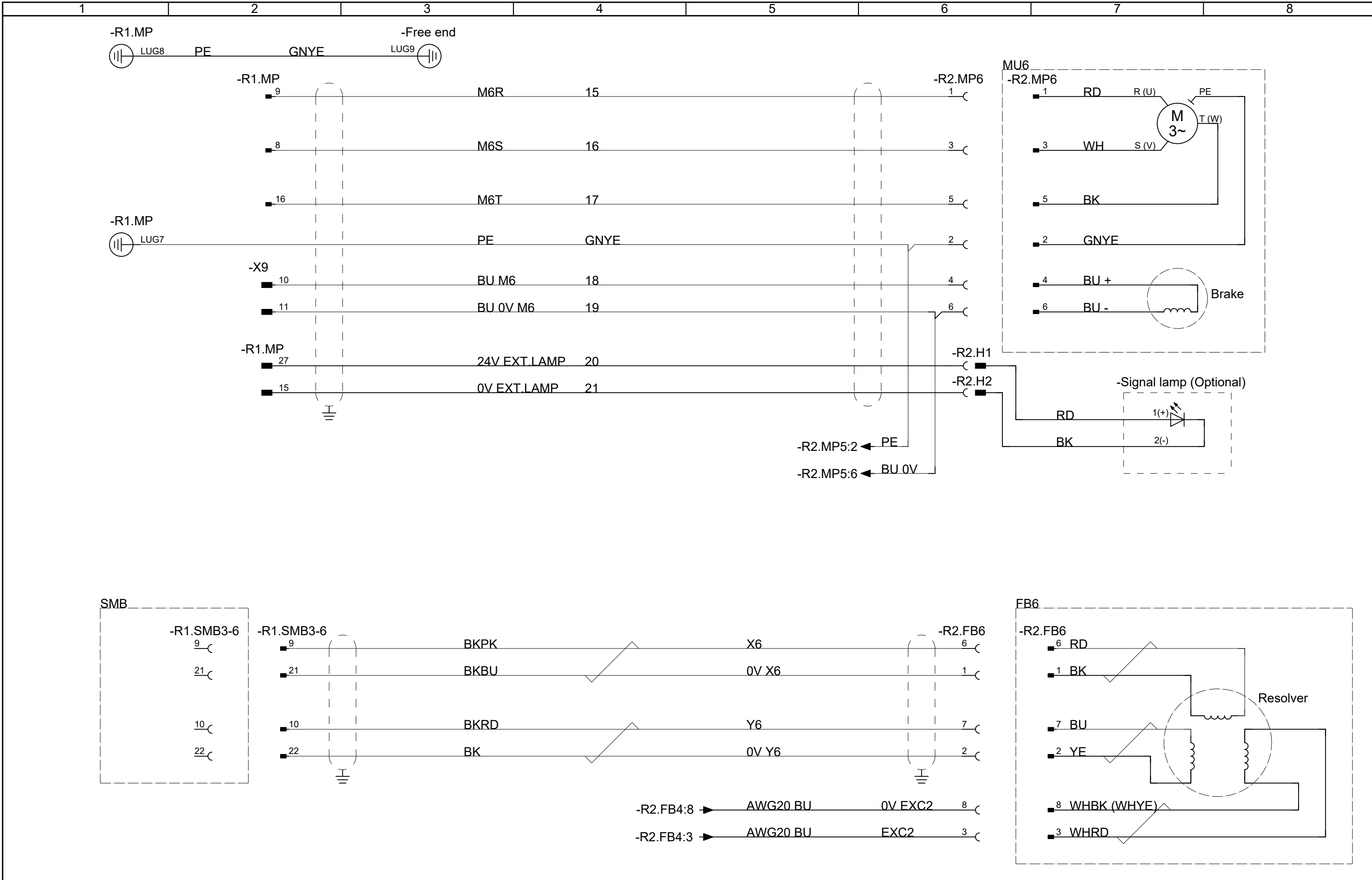
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Manipulator circuit diagram
Axis 5
IRB 2600ID

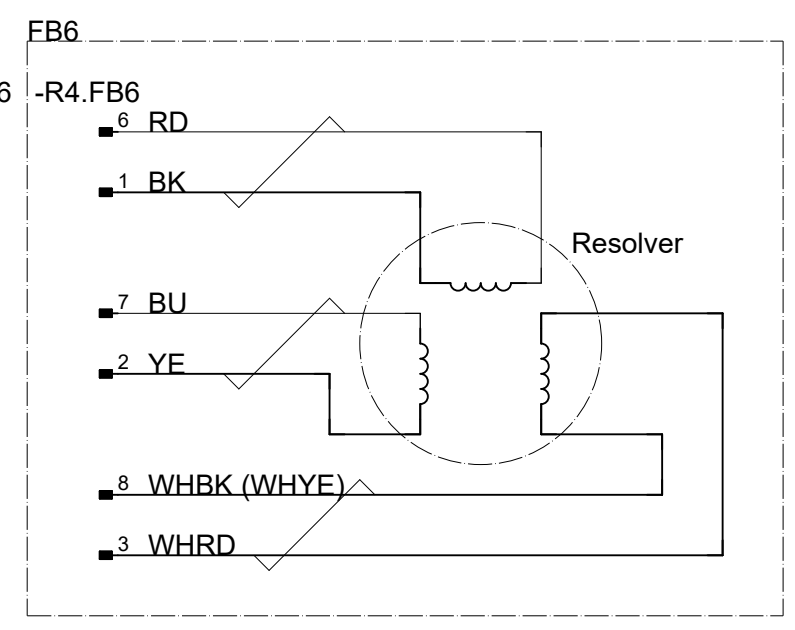
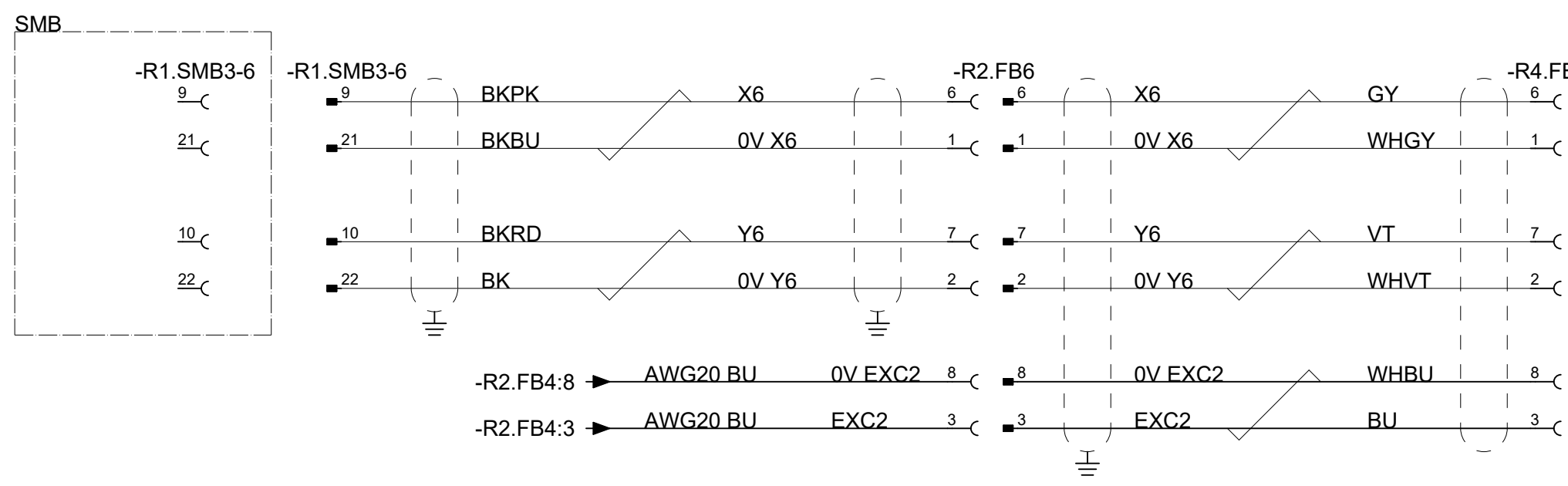
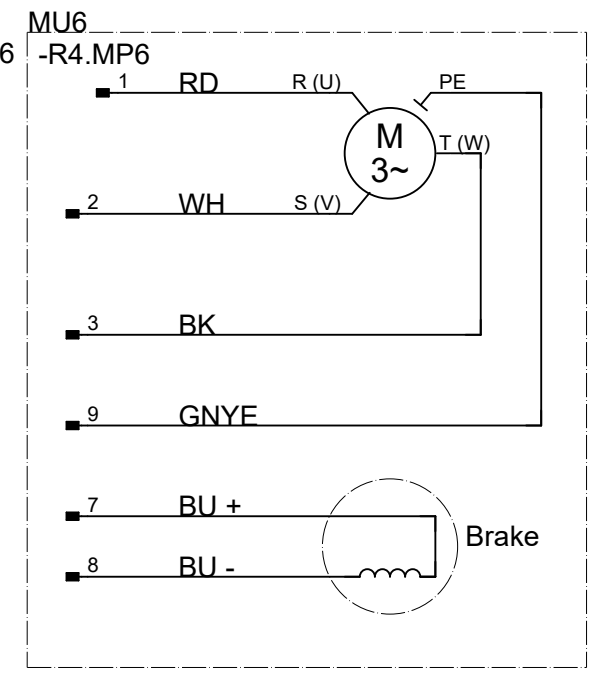
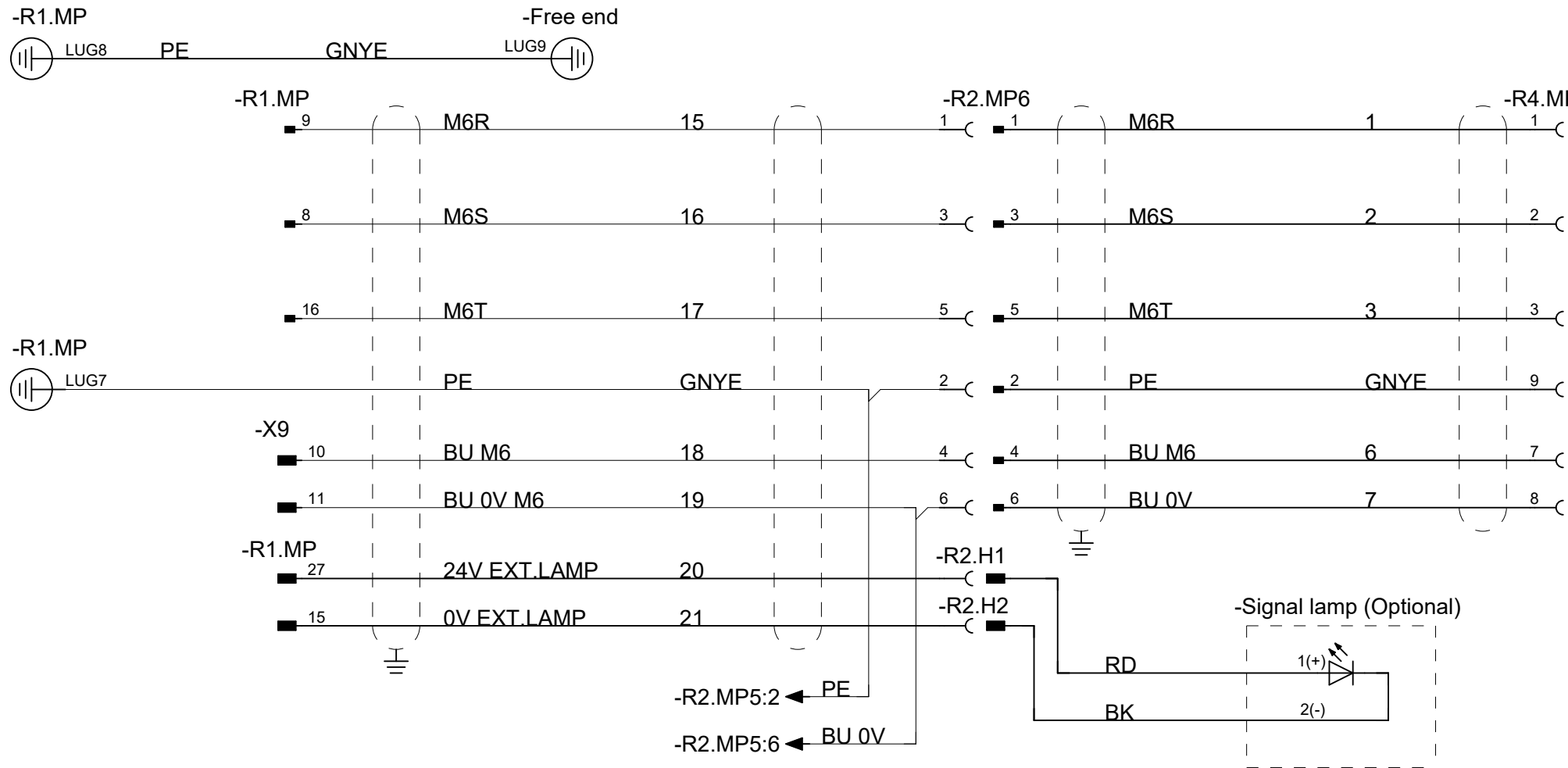
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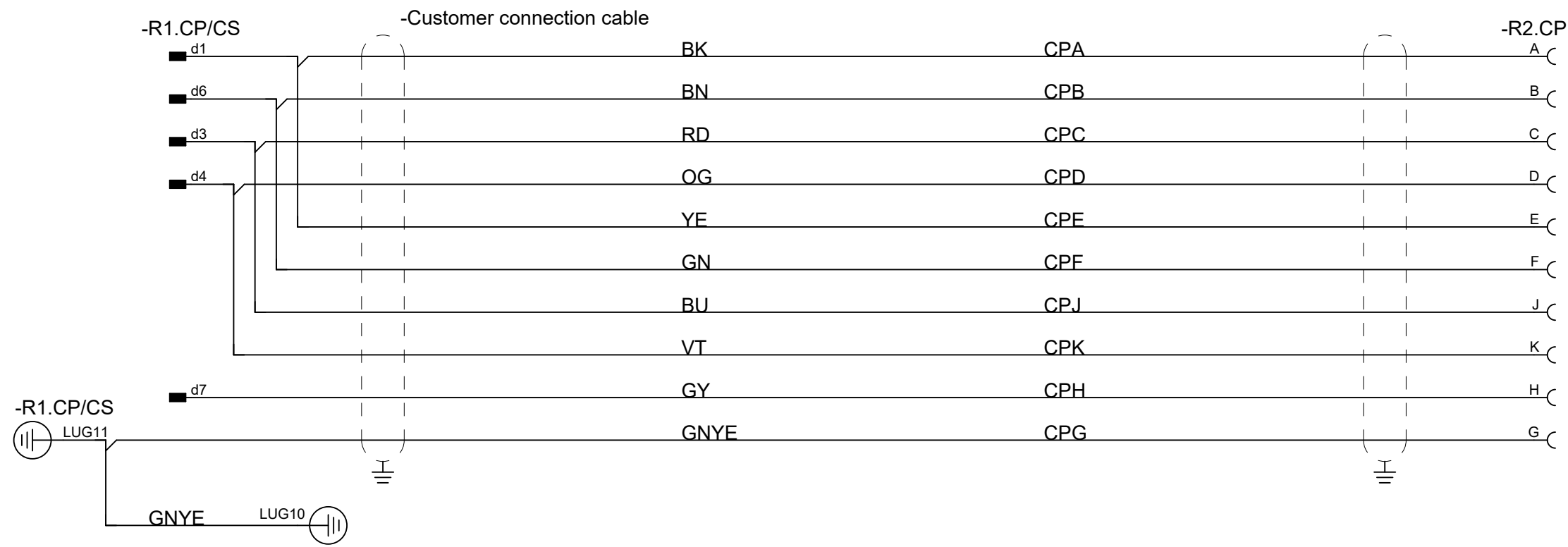
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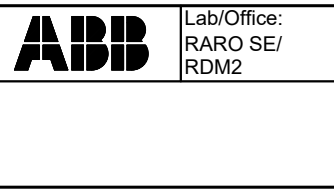




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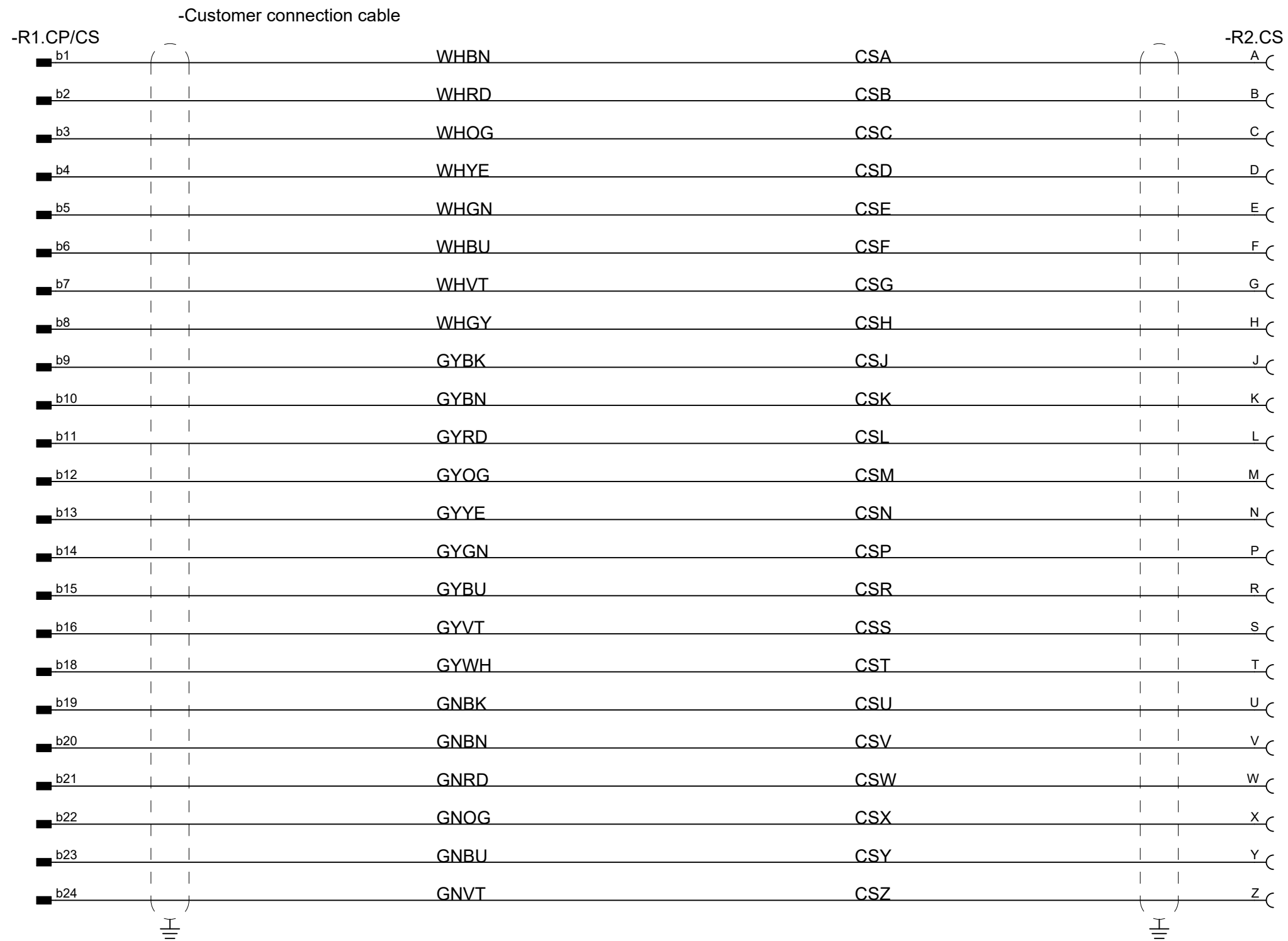
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Manipulator circuit diagram
 Customer connection

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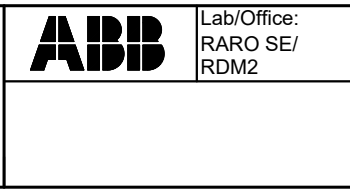
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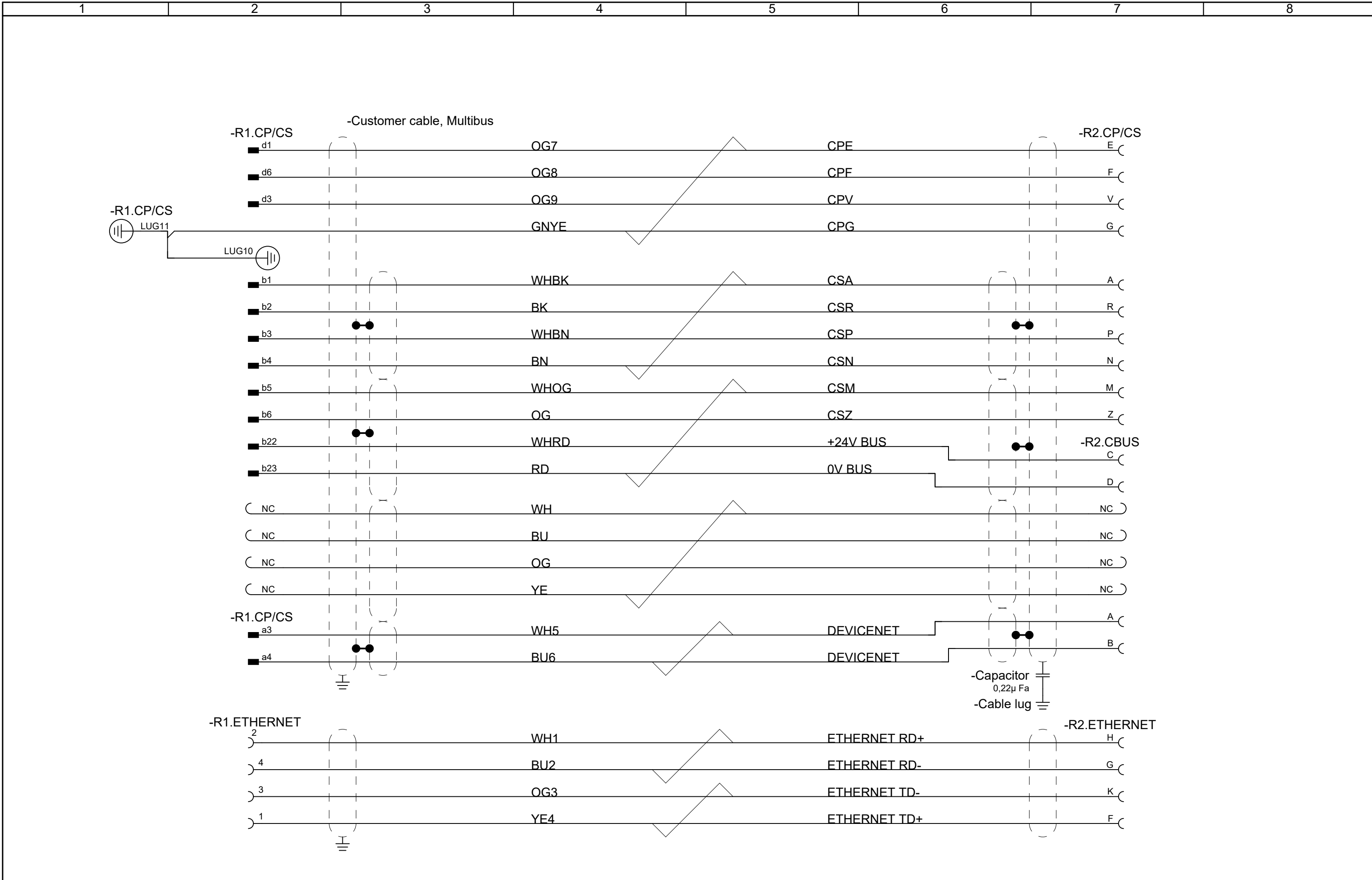


Manipulator circuit diagram
 Customer connection

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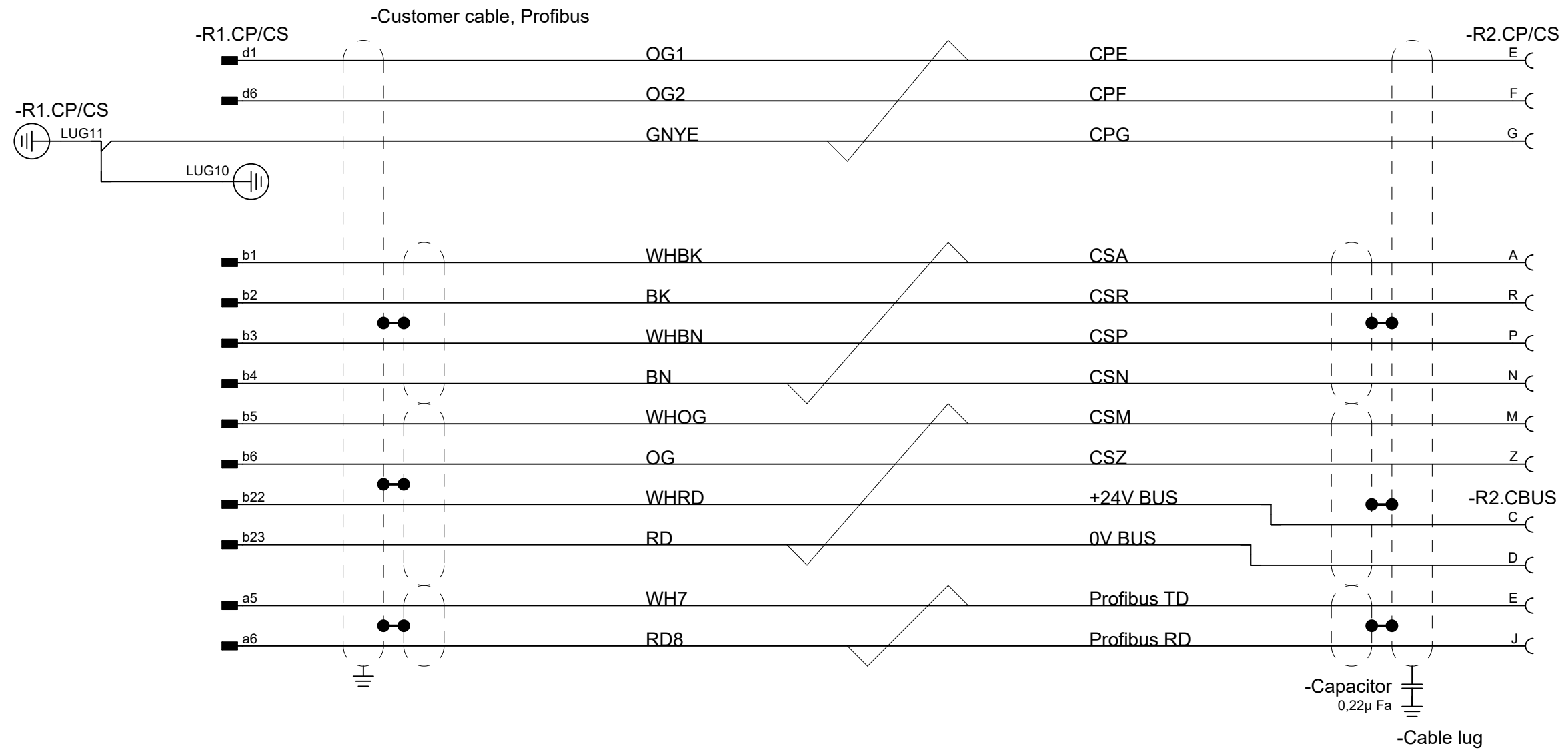
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Manipulator circuit diagram
 Profibus

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Plant: = IRB 2600
 Location: + Profibus
 Sublocation: +