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ABB AB

SE-721 68 Västerås  
Sweden

Latest revision: ECO 95019, WI 172257  
Page 2: Page 4A & 4B; 110A & 110B added  
Page 3: 3HAC062246-001 was 3HAC043206-001.  
Page 5/2/5: NC & screen con. to earth added.  
Page 4A was page 4 & page 4B is new.  
Page 110A was page 110 & page 110B is new.



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IRB 4600

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Status: 2017-12-21

APPROVED

Document no.

3HAC029038-003

Plant: = IRB 4600  
Location: + Manipulator  
Sublocation: +

Rev. Ind Page1

05 2  
Total 19

Prepared by, date: Erik Mesaros Approved by, date: JanErik Nähls

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Valid for:

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

- 1) 3HAC029420-001, Cable harness, basic.
- 2) 3HAC4050-1 Signal cable SMB.
- 3) 3HAC030936-001 Cable harness ax.7.
- 4) 3HAC022235-1 Lamp unit.
- 5) 3HAC033857-001 Cooling fan ax.1.
- 6) 3HAC033859-001 Cooling fan ax.2.
- 7) 3HAC029000-001 Cable harness, customer connection.
- 8) 3HAC029864-001 Cable harness, multibus.
- 9) 3HAC037798-001 Cable harness, profibus.

IRB4600 alternative gear & ABB motors

- 10) 3HAC043964-001, Cable harness, basic.
- 11) 3HAC043963-001 Cable harness, customer connection.
- 12) 3HAC062246-001 Cable harness, multibus.
- 13) 3HAC043965-001 Cable harness, profibus.

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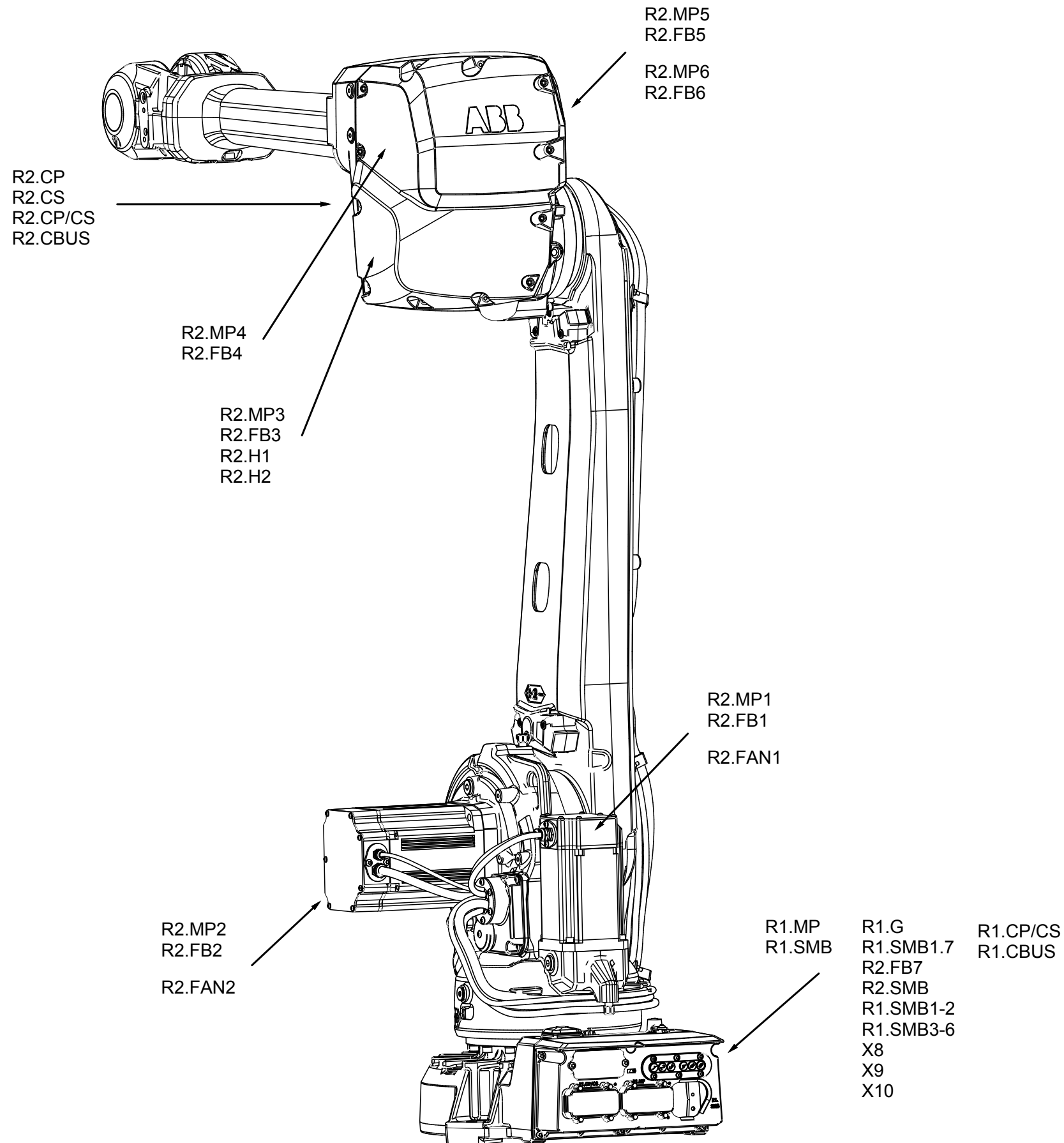
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IRB 4600

Connection point location, old

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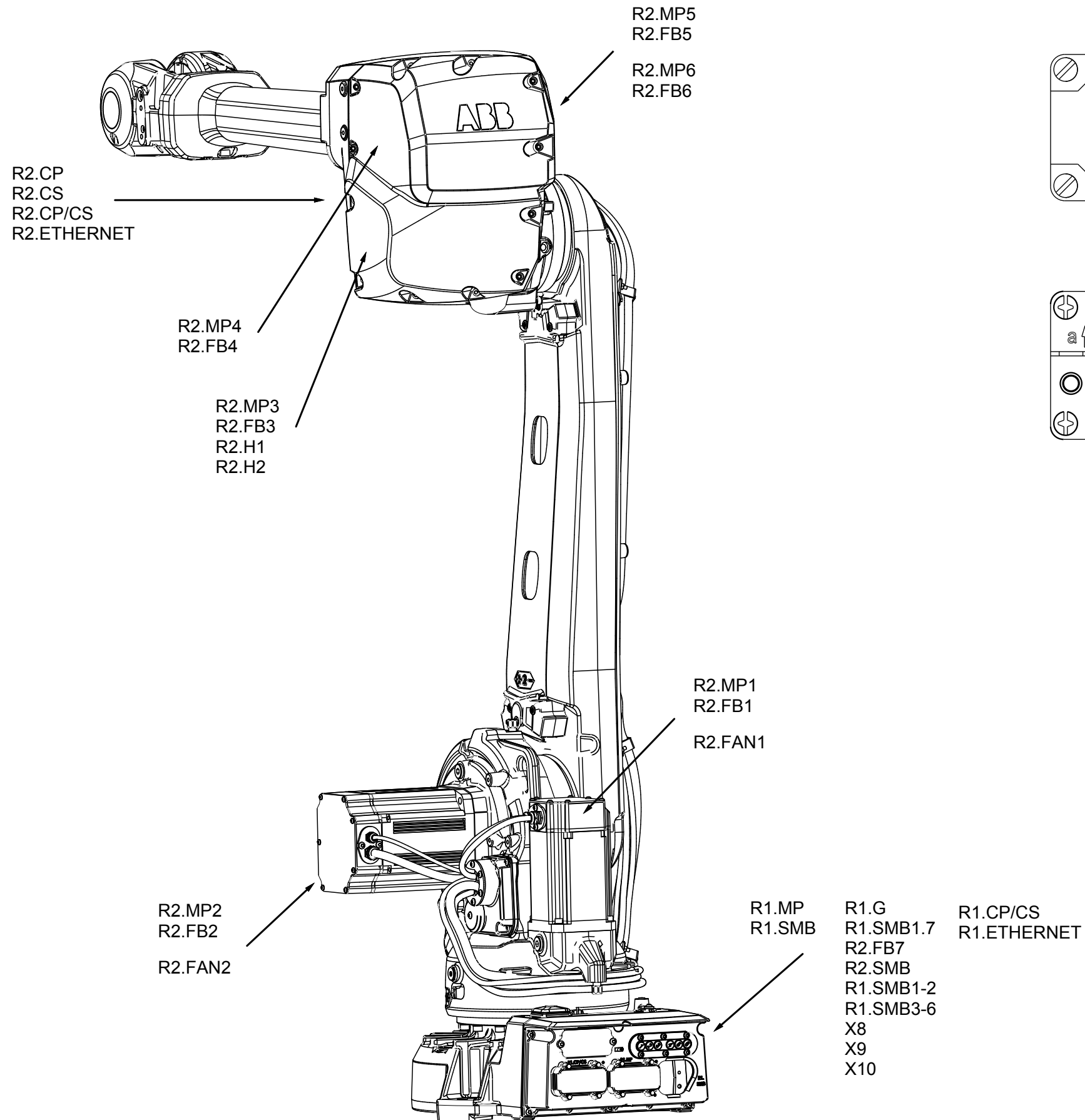
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Connection point location, new

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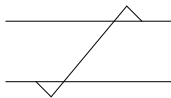
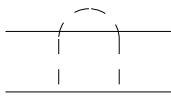
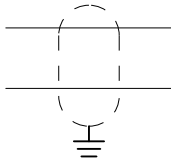

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**05**

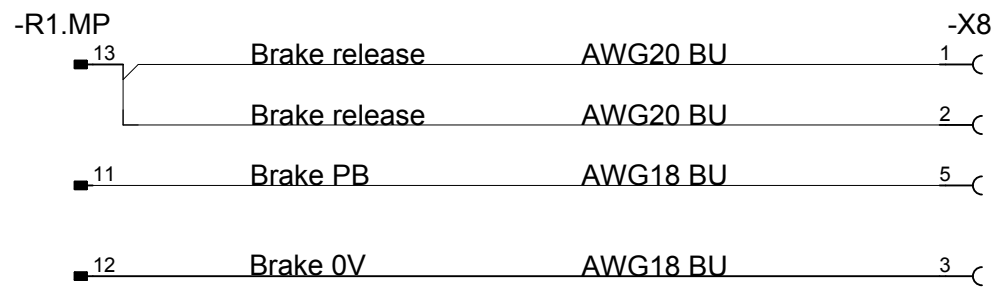
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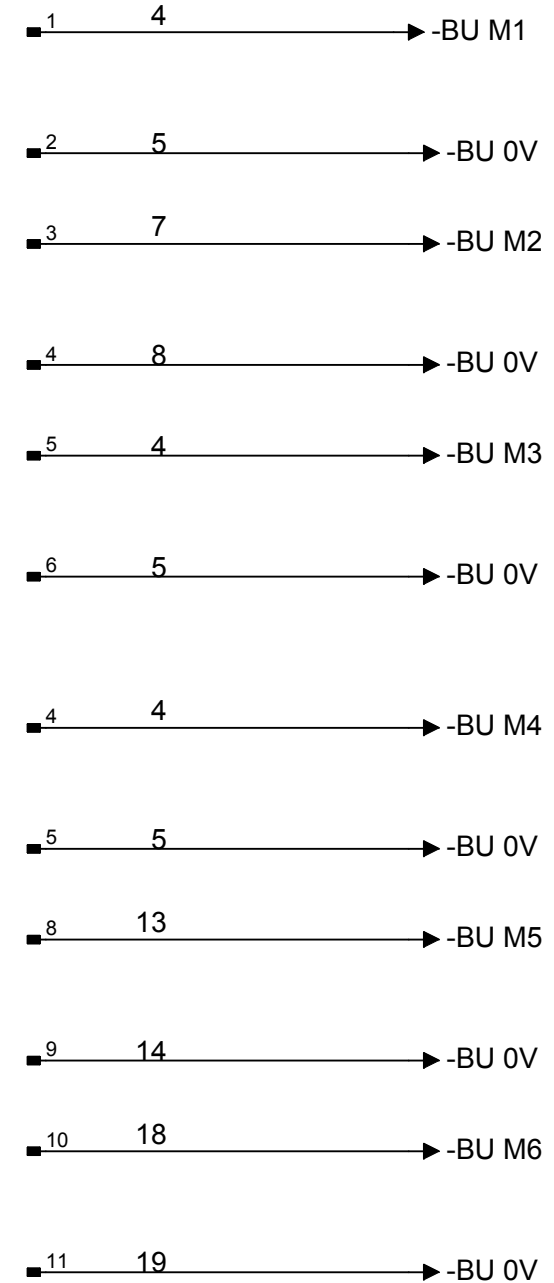
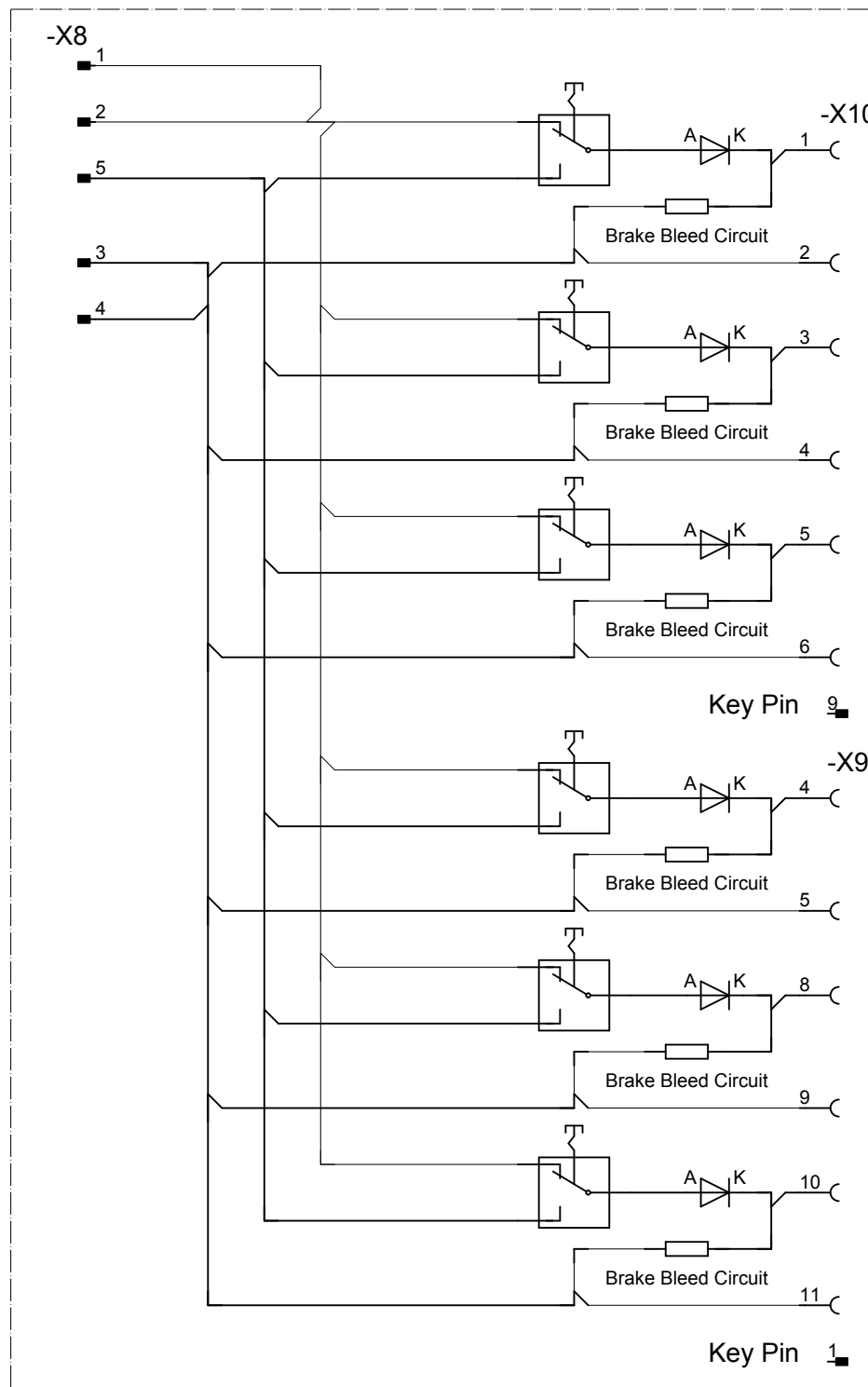
M	Motor		Protective Earth
R	Resolver		Twisted wires
G	Battery Pack		Screened wires
BU	Brake Release Unit		Screen connected to earth
FB	Feedback unit		
SMB	Serial Measurement Board		
Keypin	Location pin to avoid mismatch		
	NC		Not connected wire

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BU Brake Release (Simplified)



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Brake Release Unit

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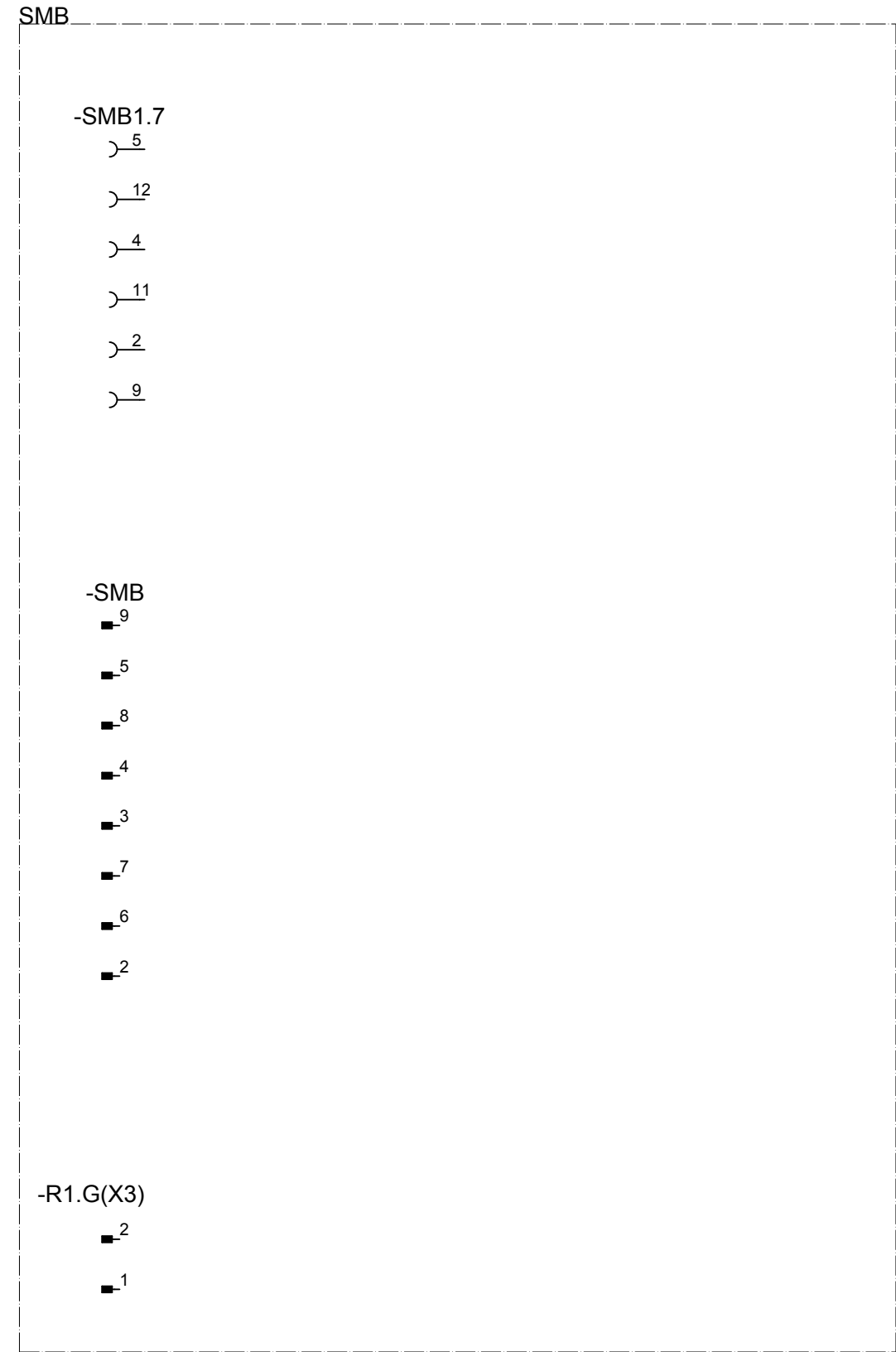
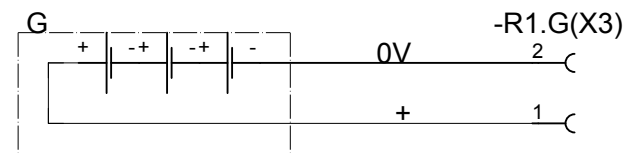
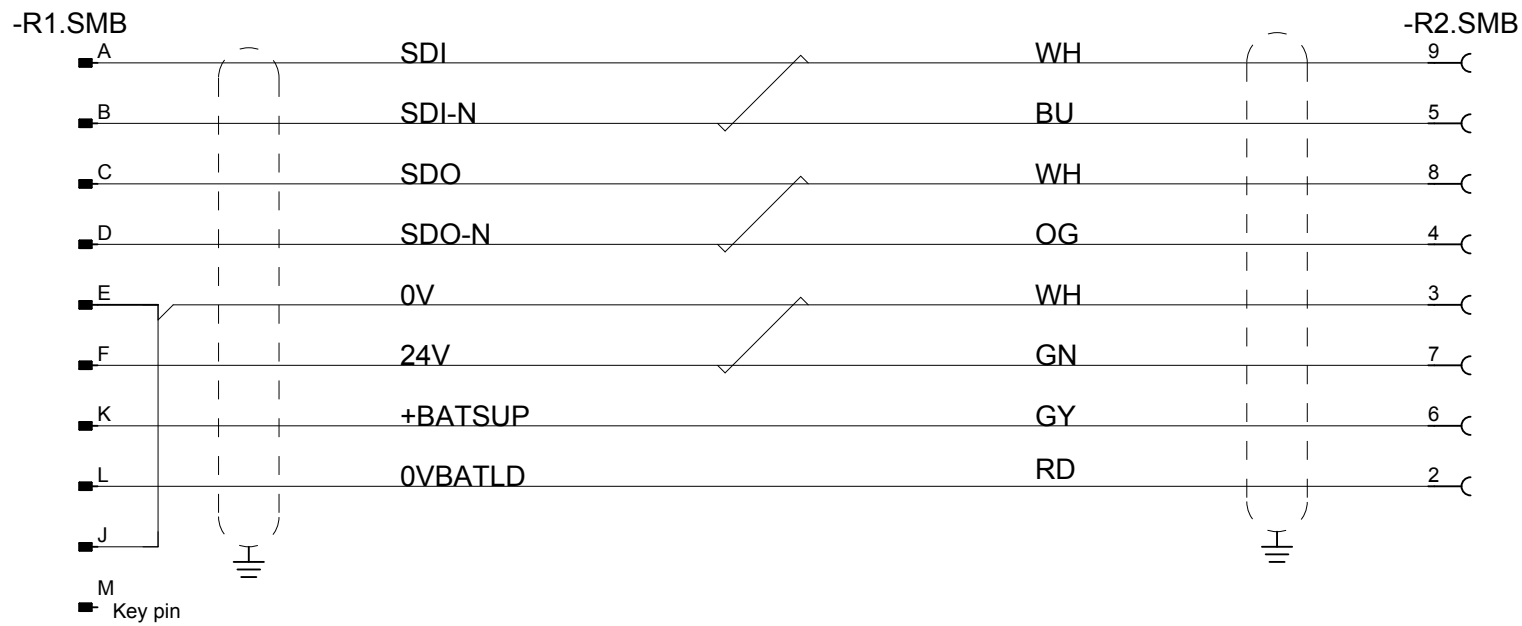
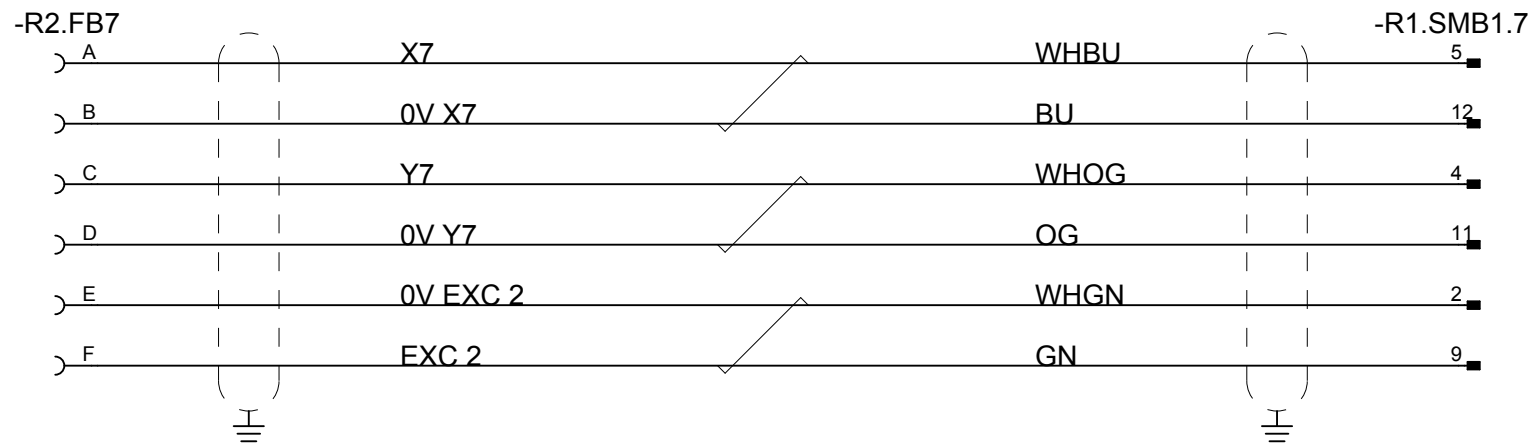
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Serial Measuring Board

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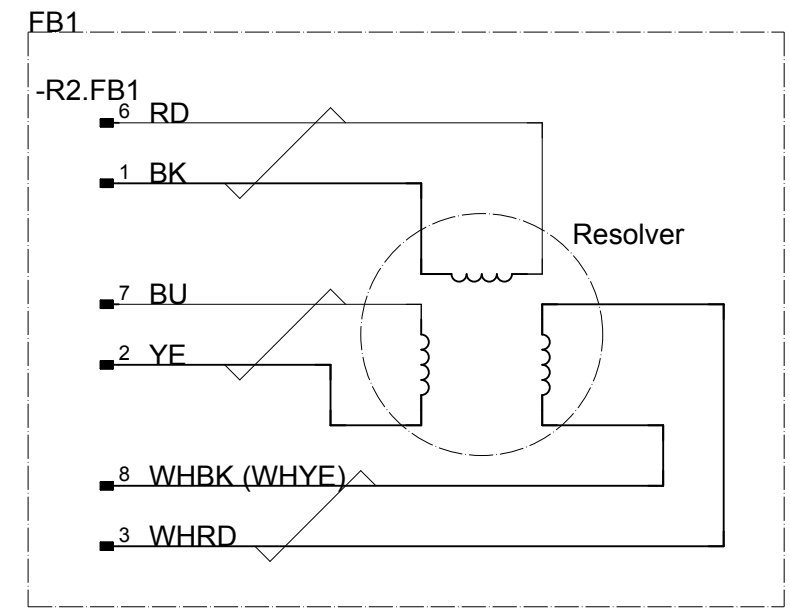
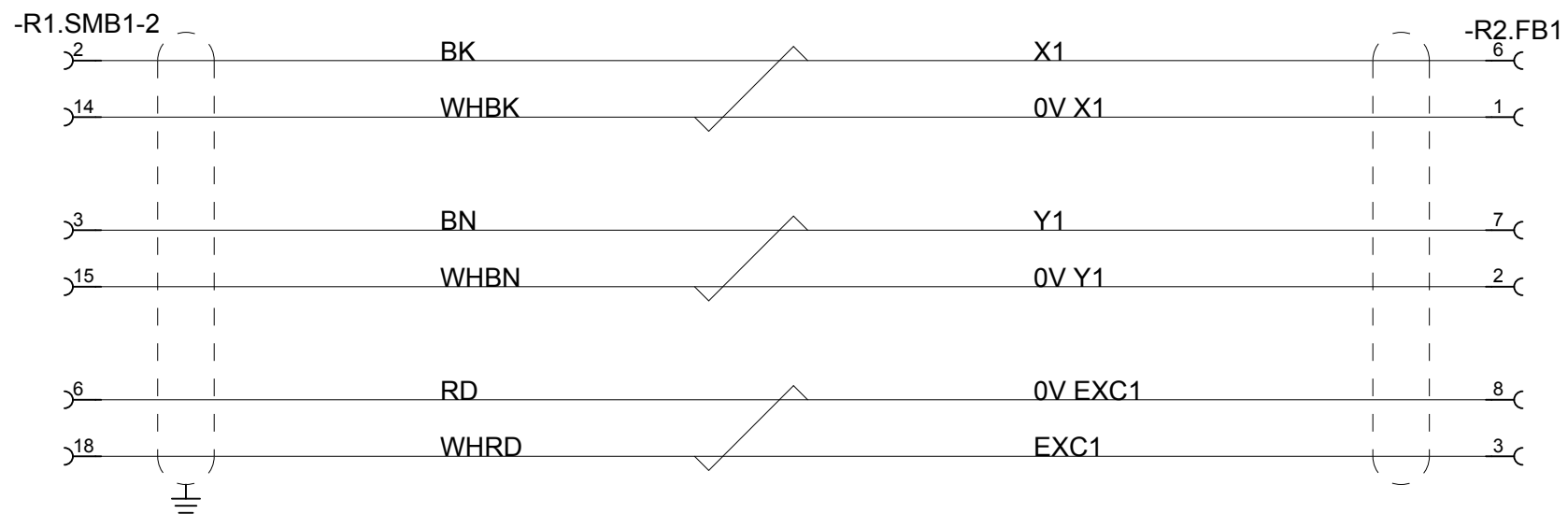
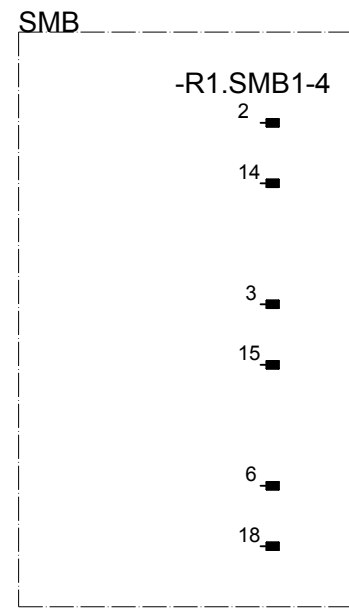
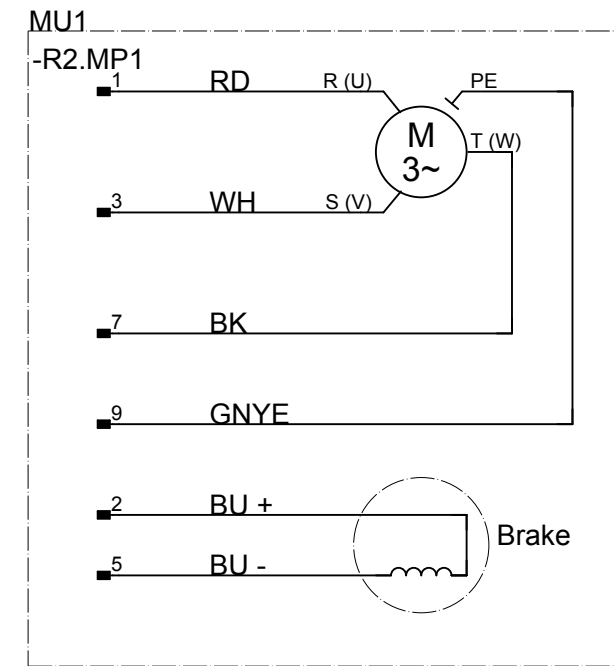
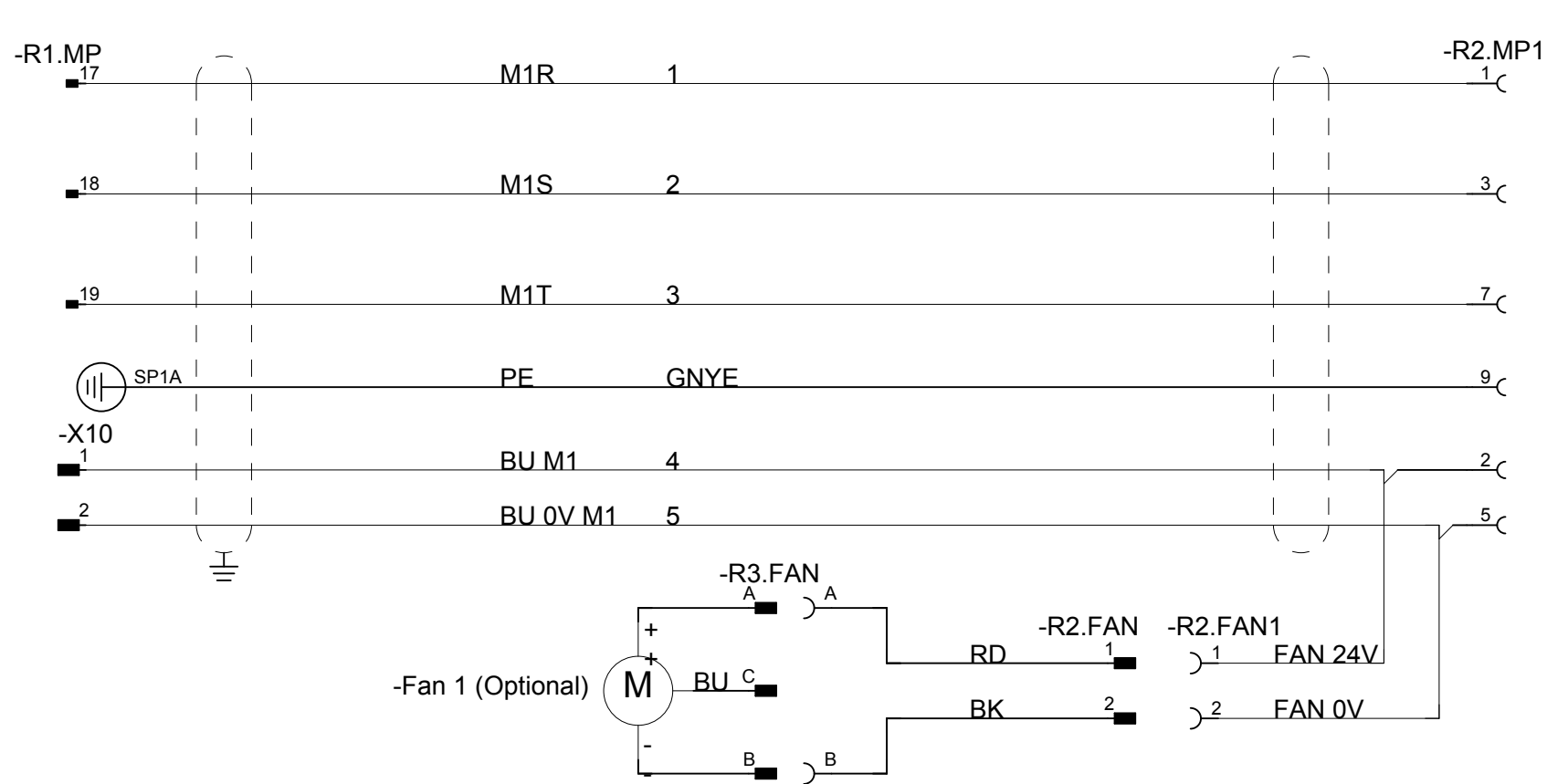
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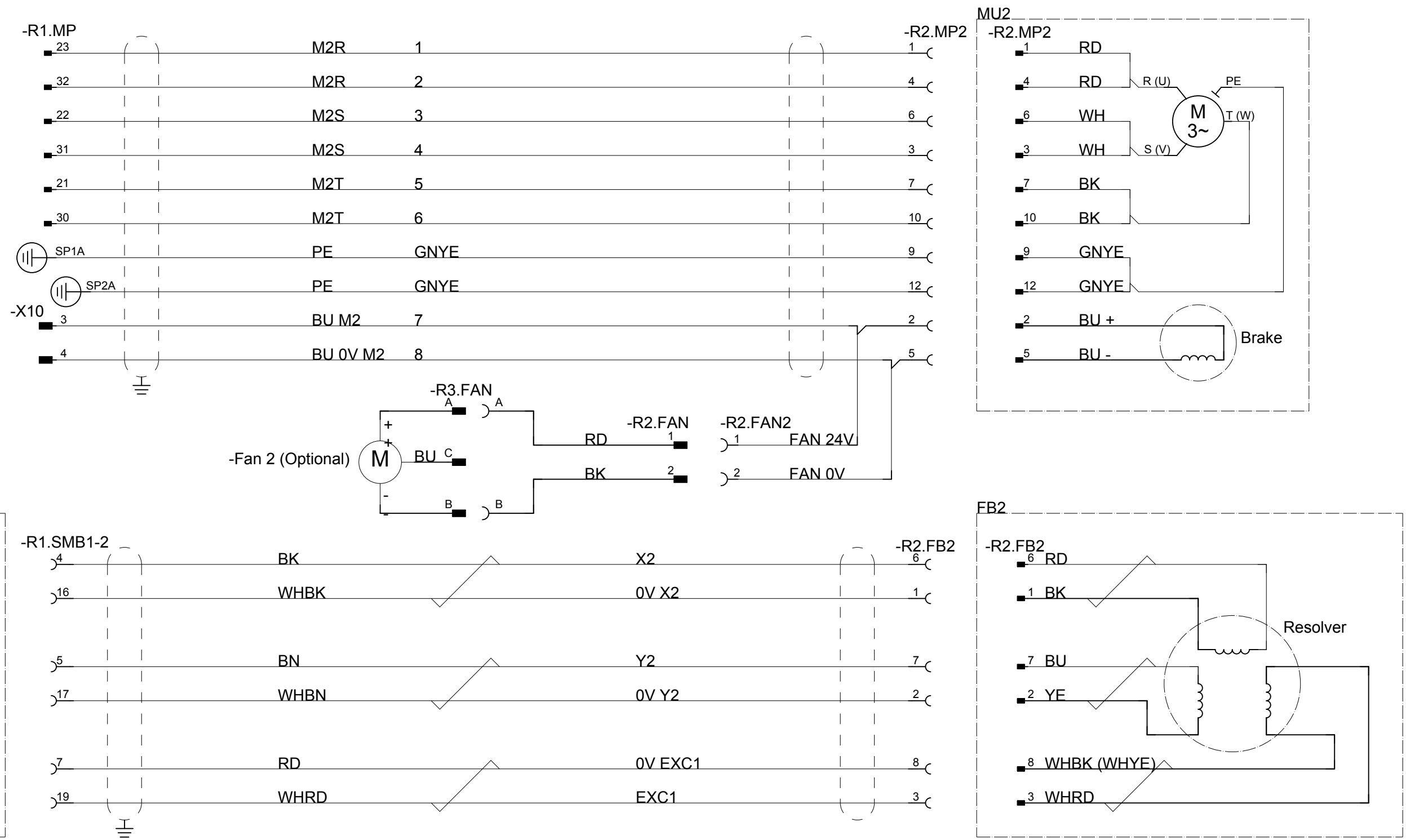
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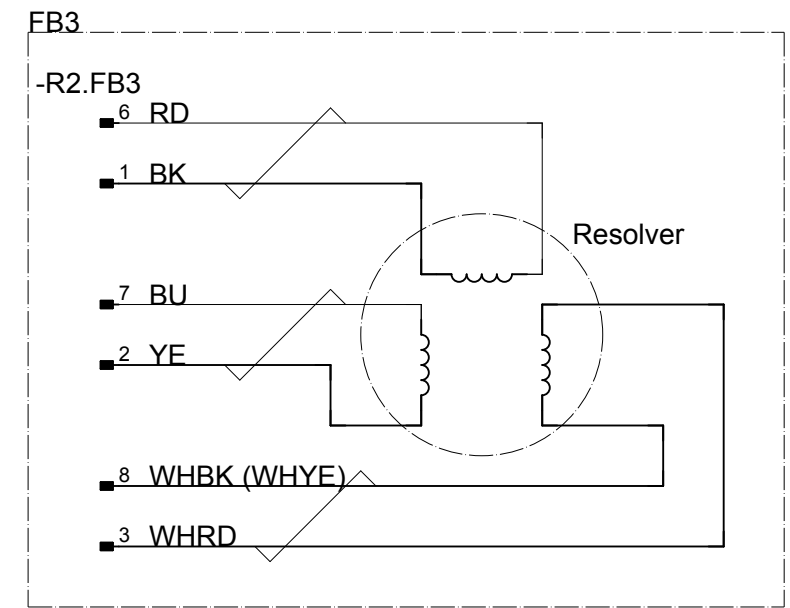
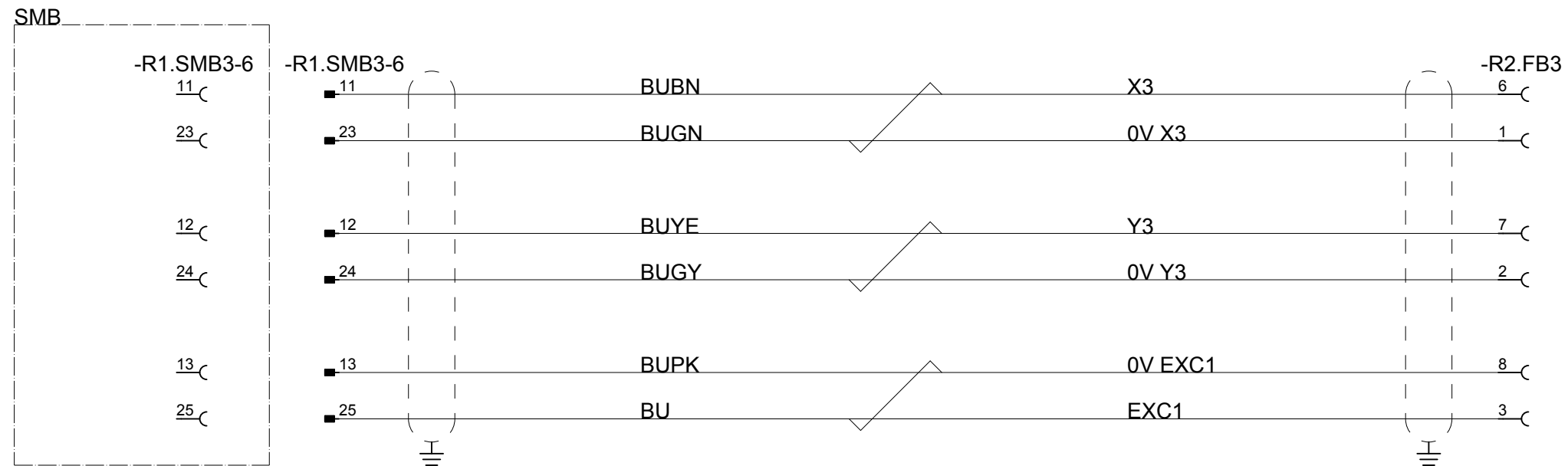
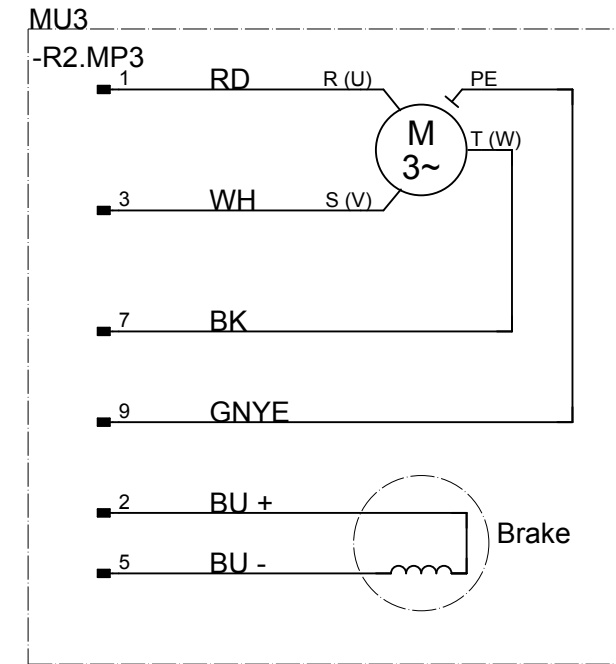
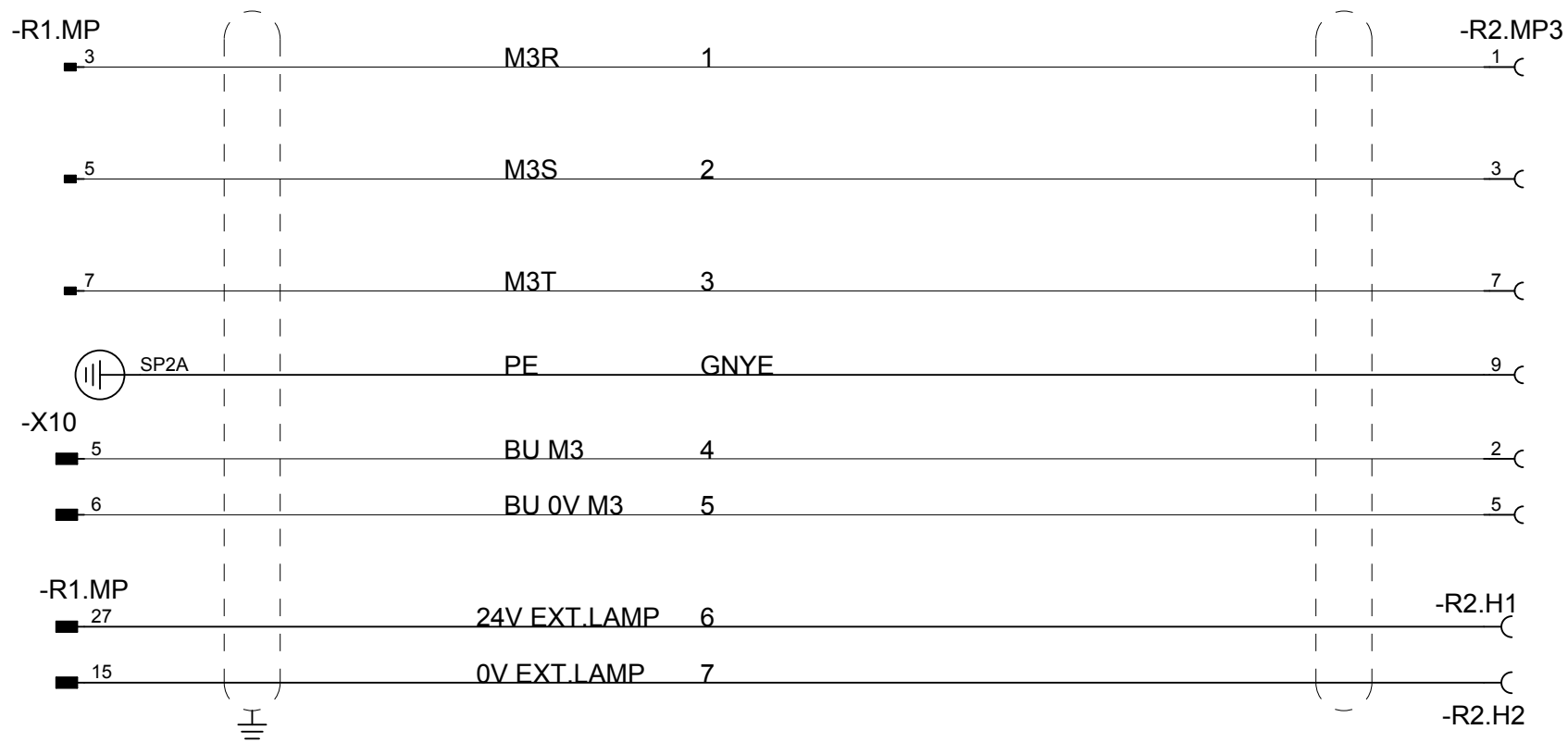
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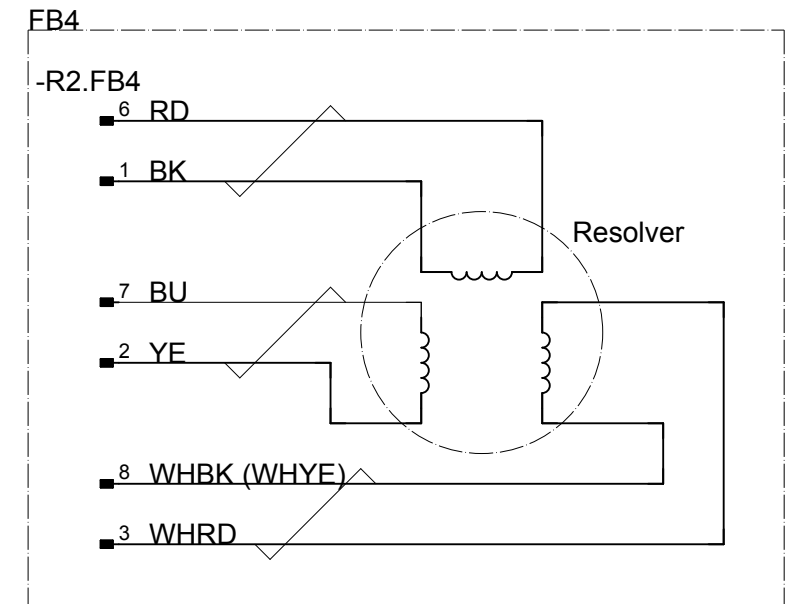
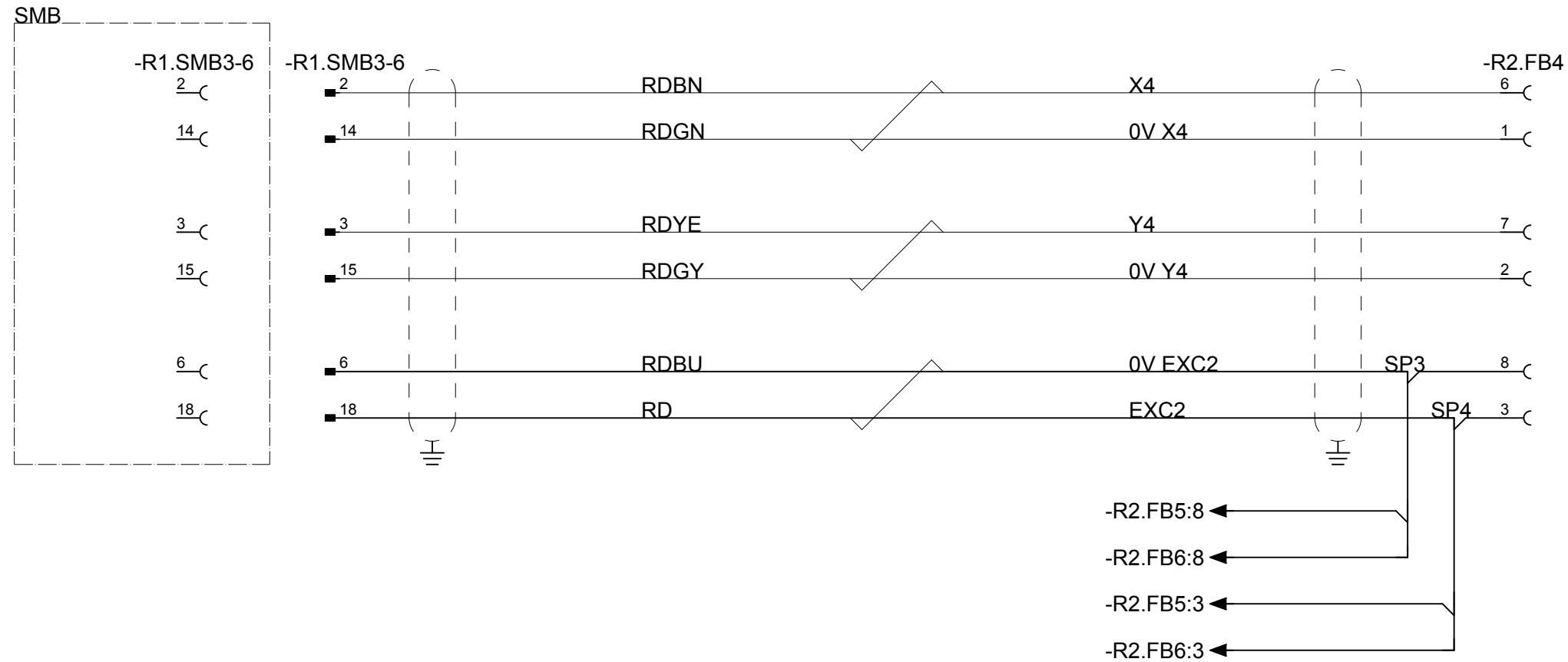
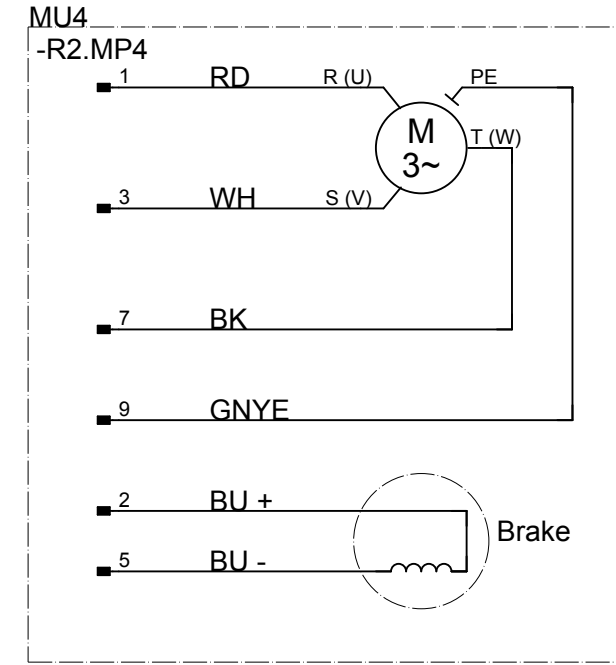
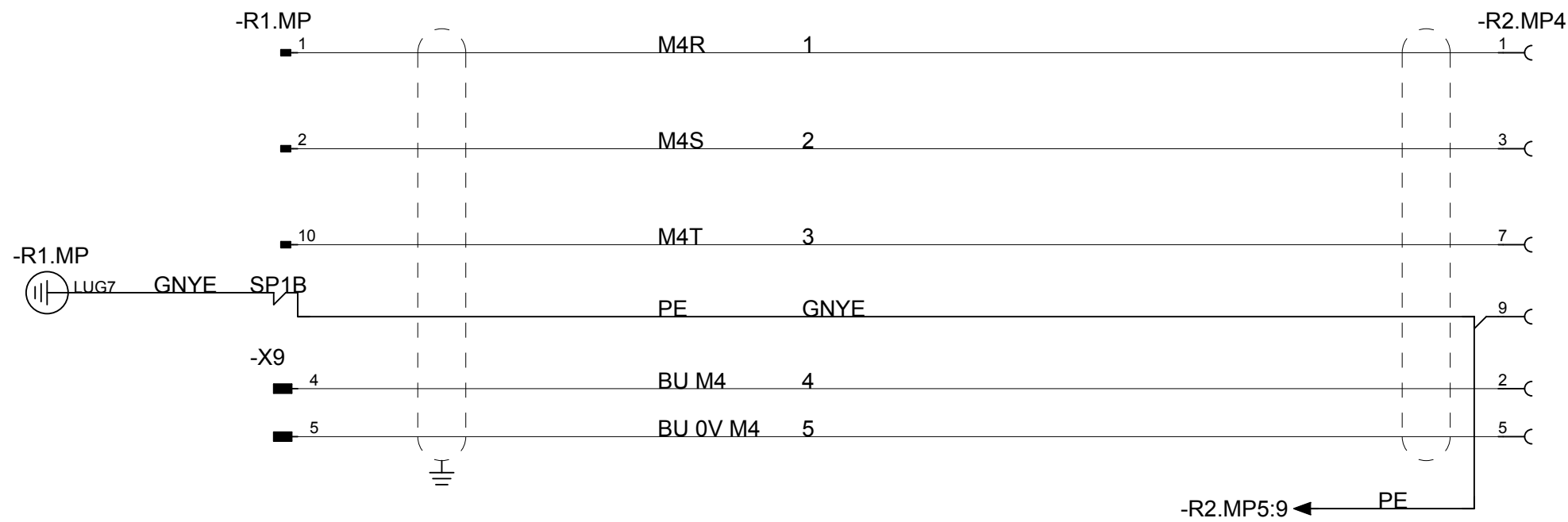
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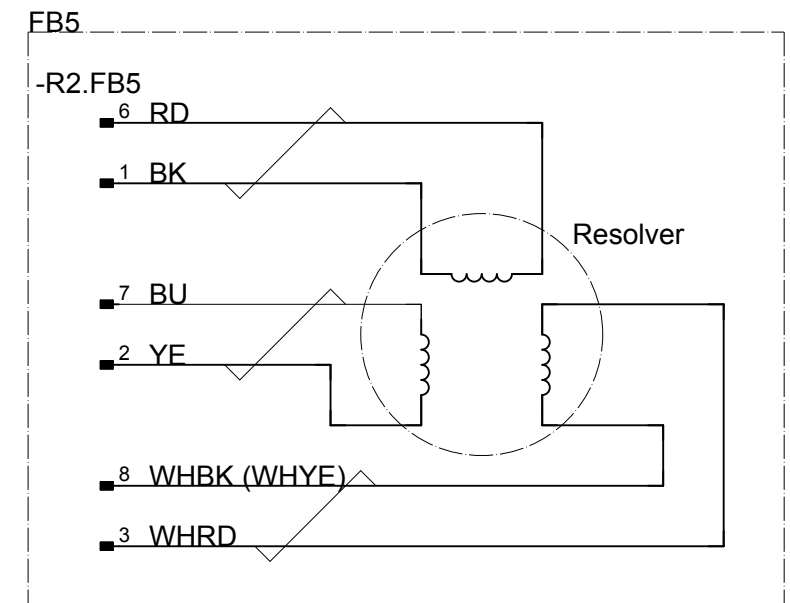
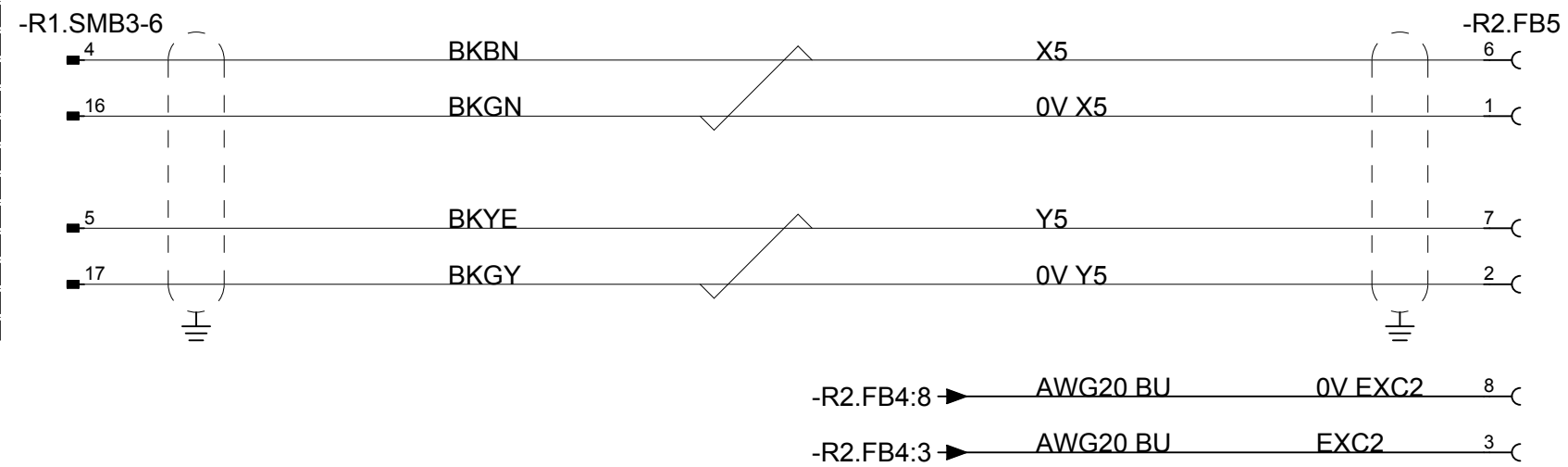
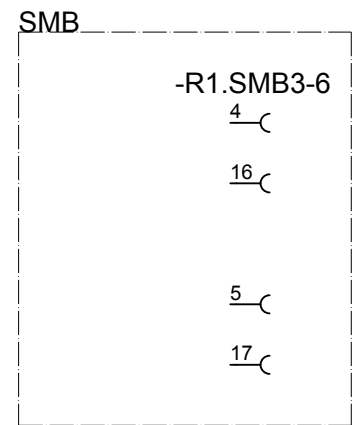
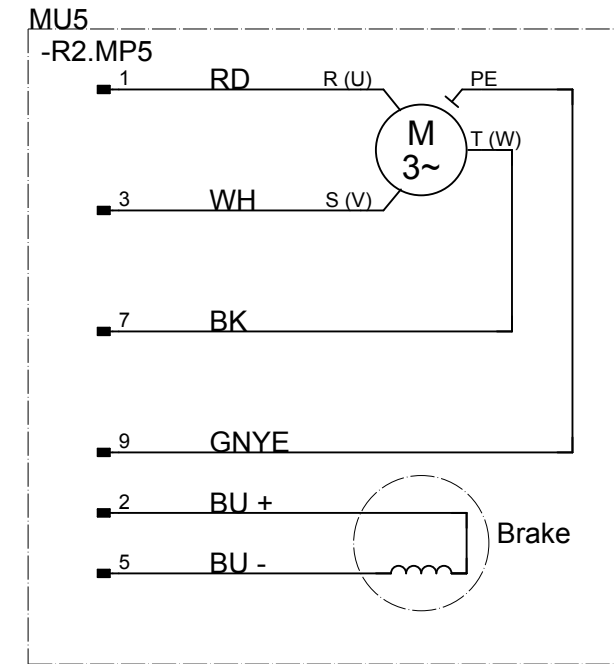
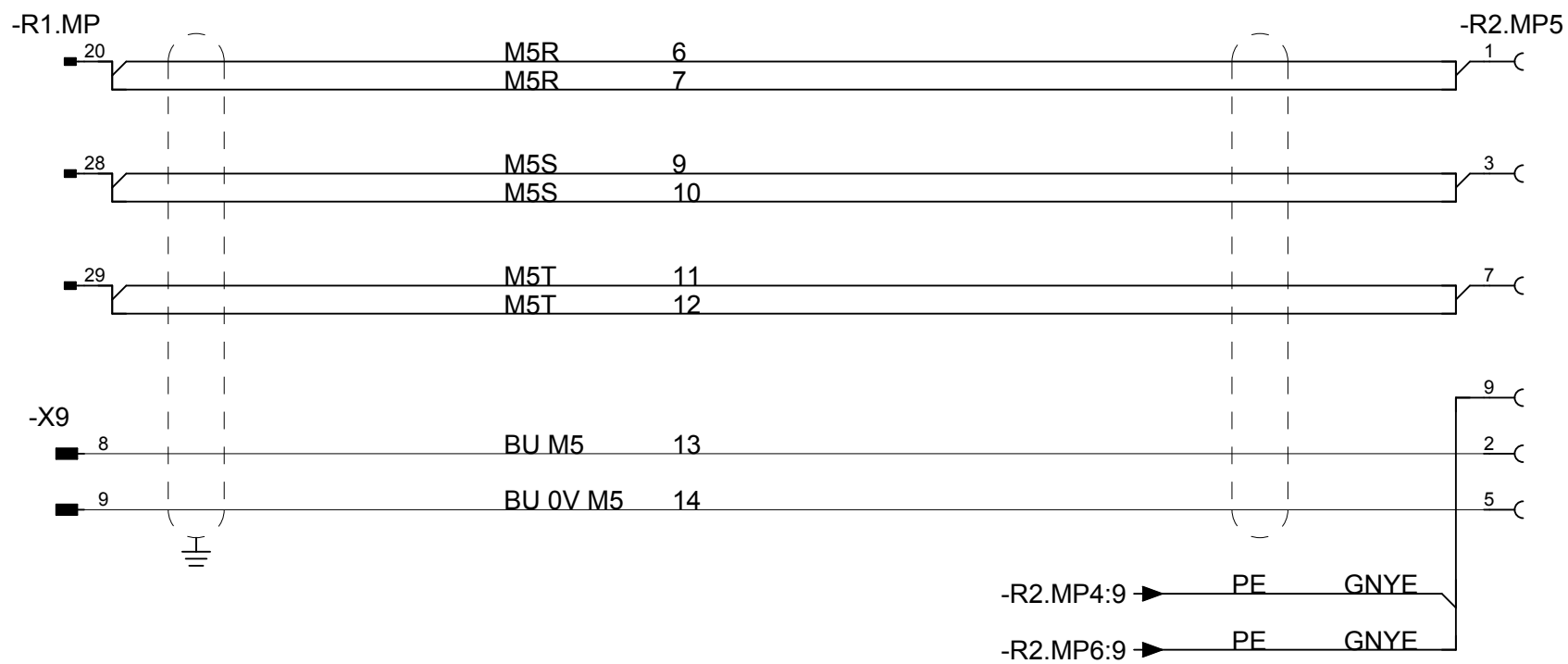
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Axis 5

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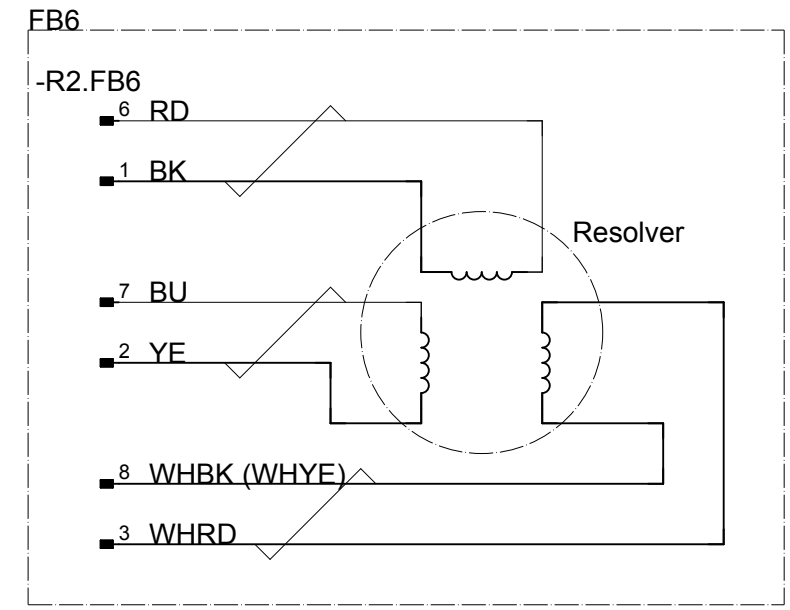
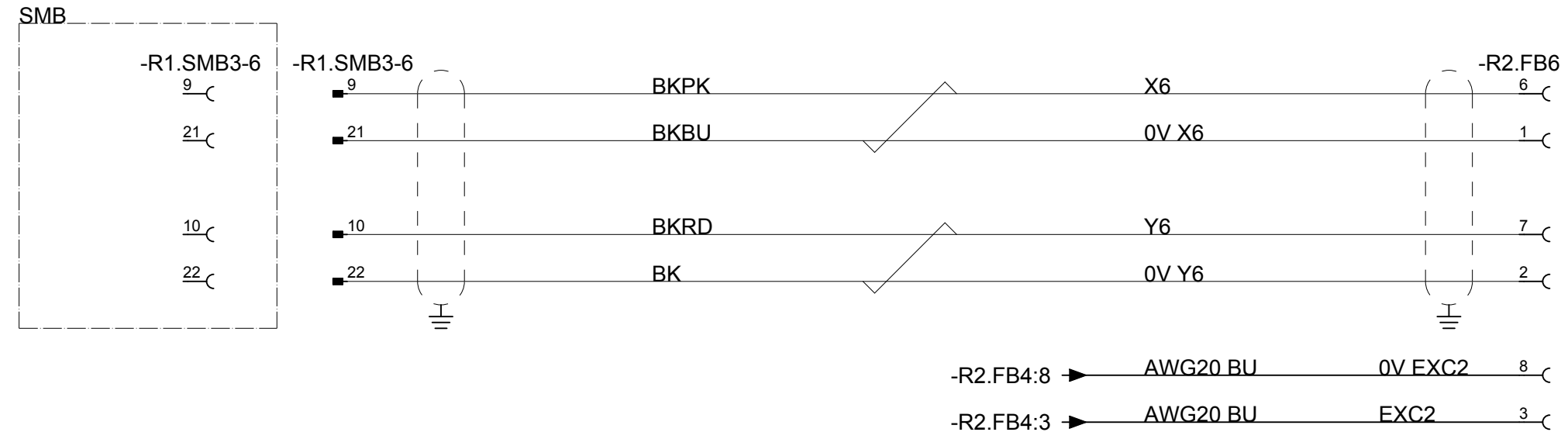
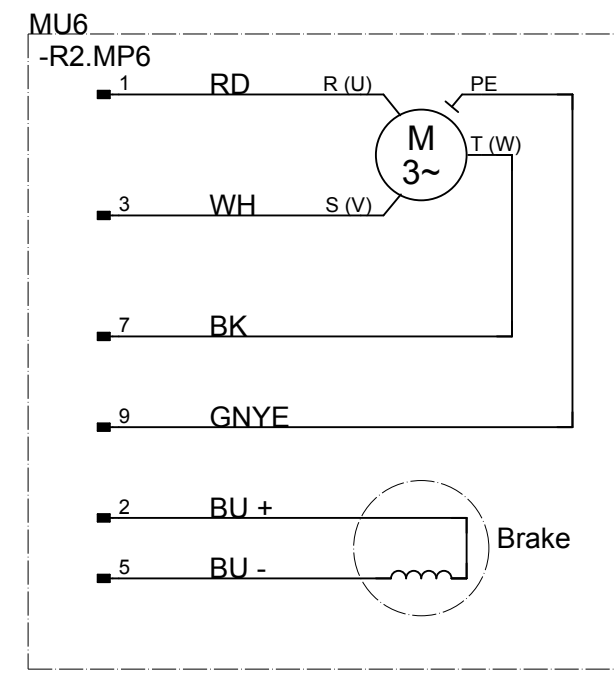
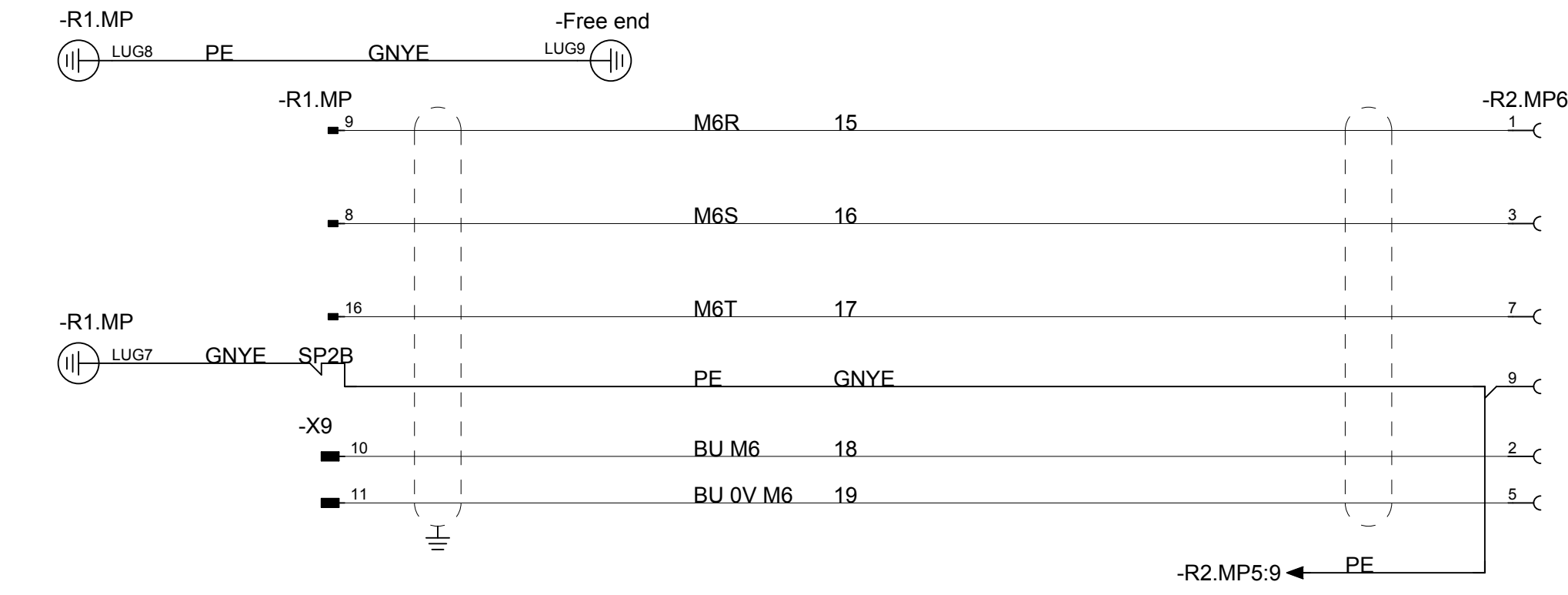
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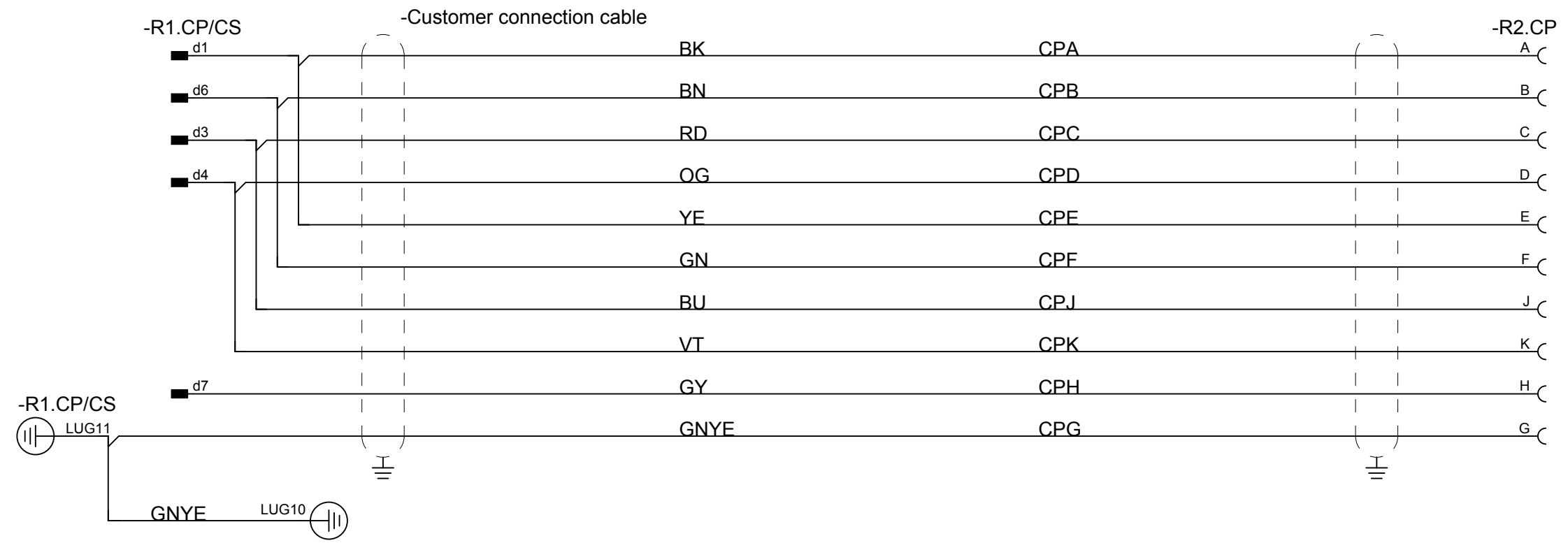
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 Axis 6

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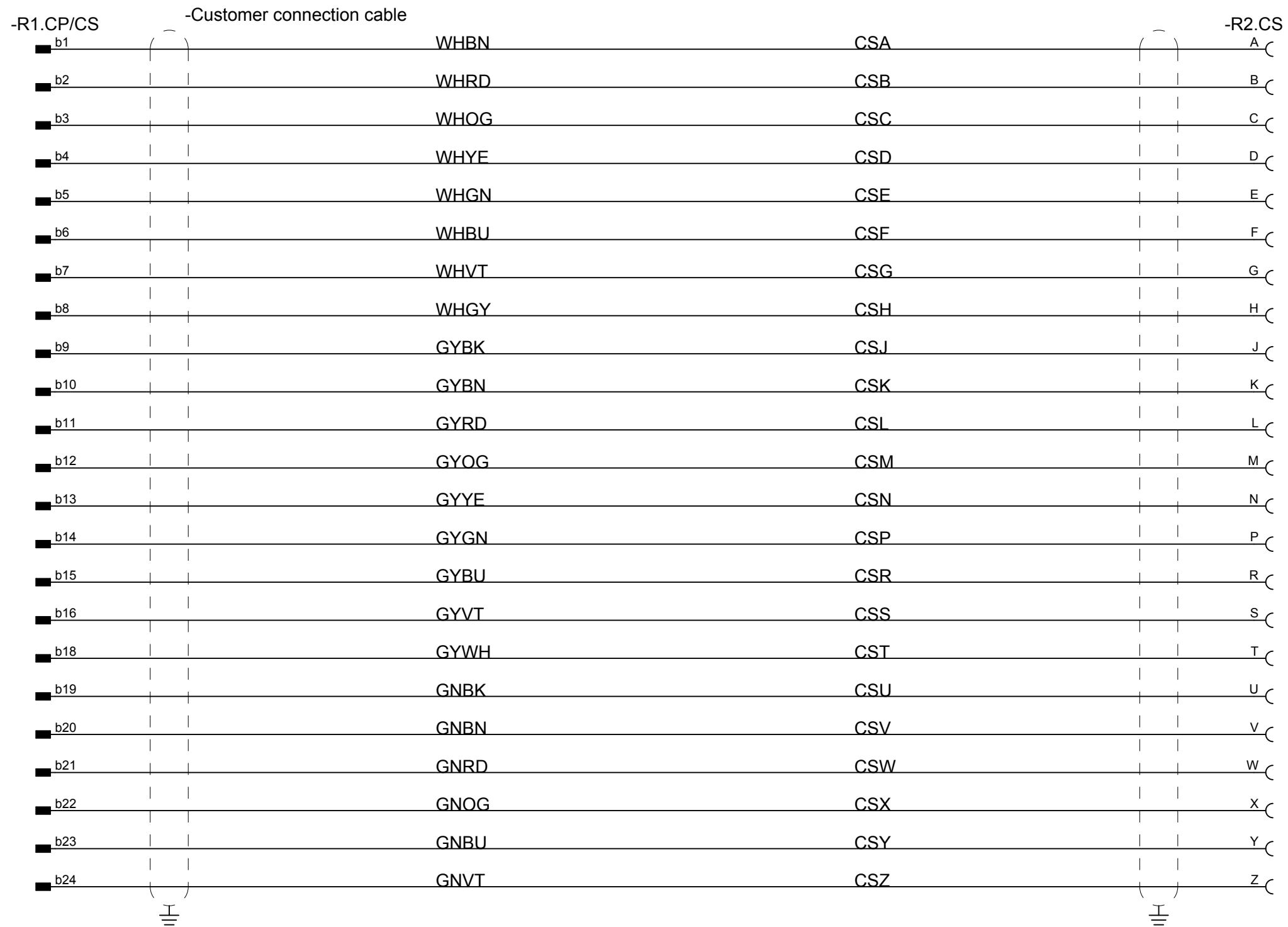
IRB 4600  
 Customer connection

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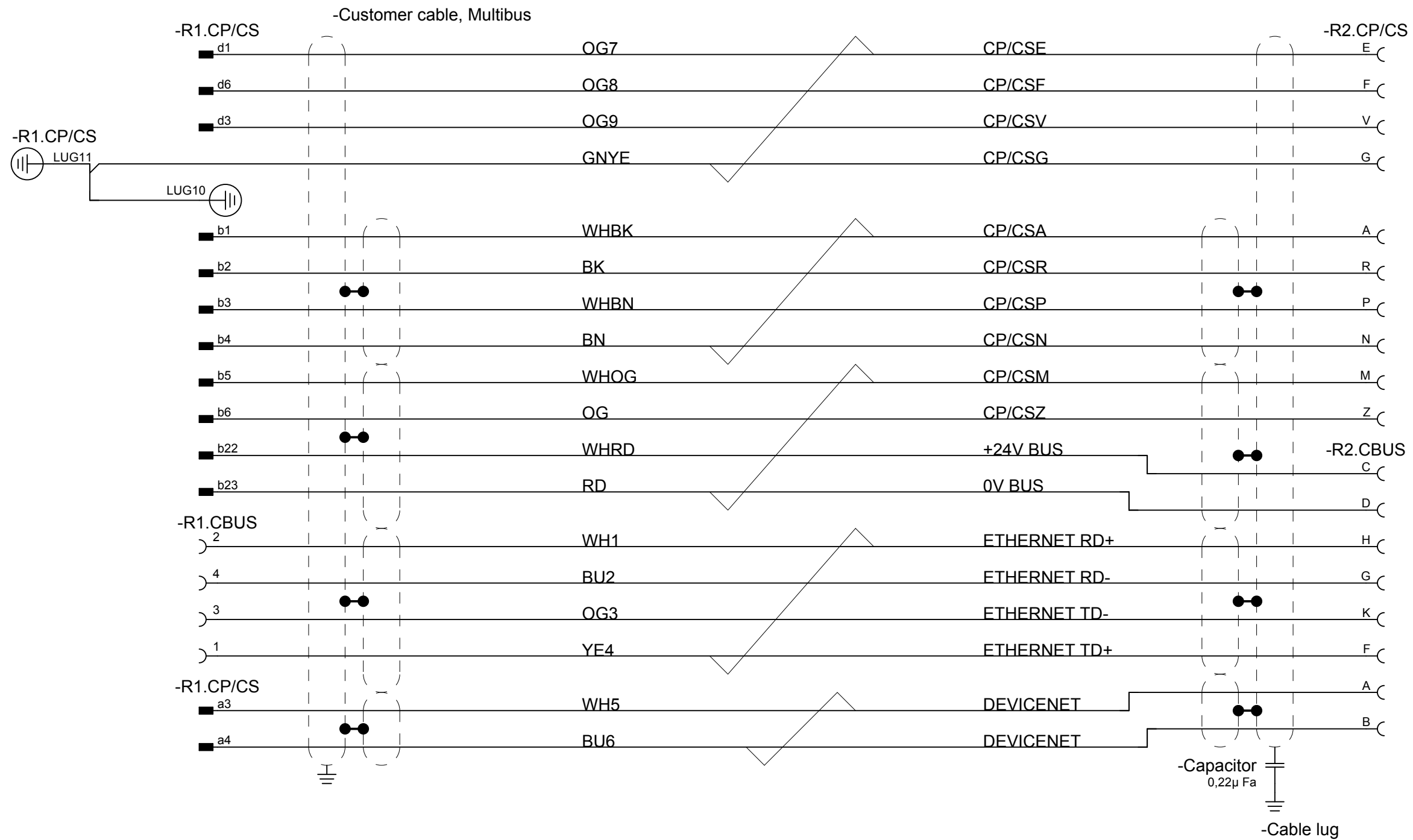
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 Page 2: Page 4A & 4B; 110A & 110B added  
 Page 3: 3HAC062246-001 was 3HAC043206-001.  
 Page 5/2/5: NC & screen con. to earth added.  
 Page 4A was page 4 & page 4B is new.  
 Page 110A was page 110 & page 110B is new.

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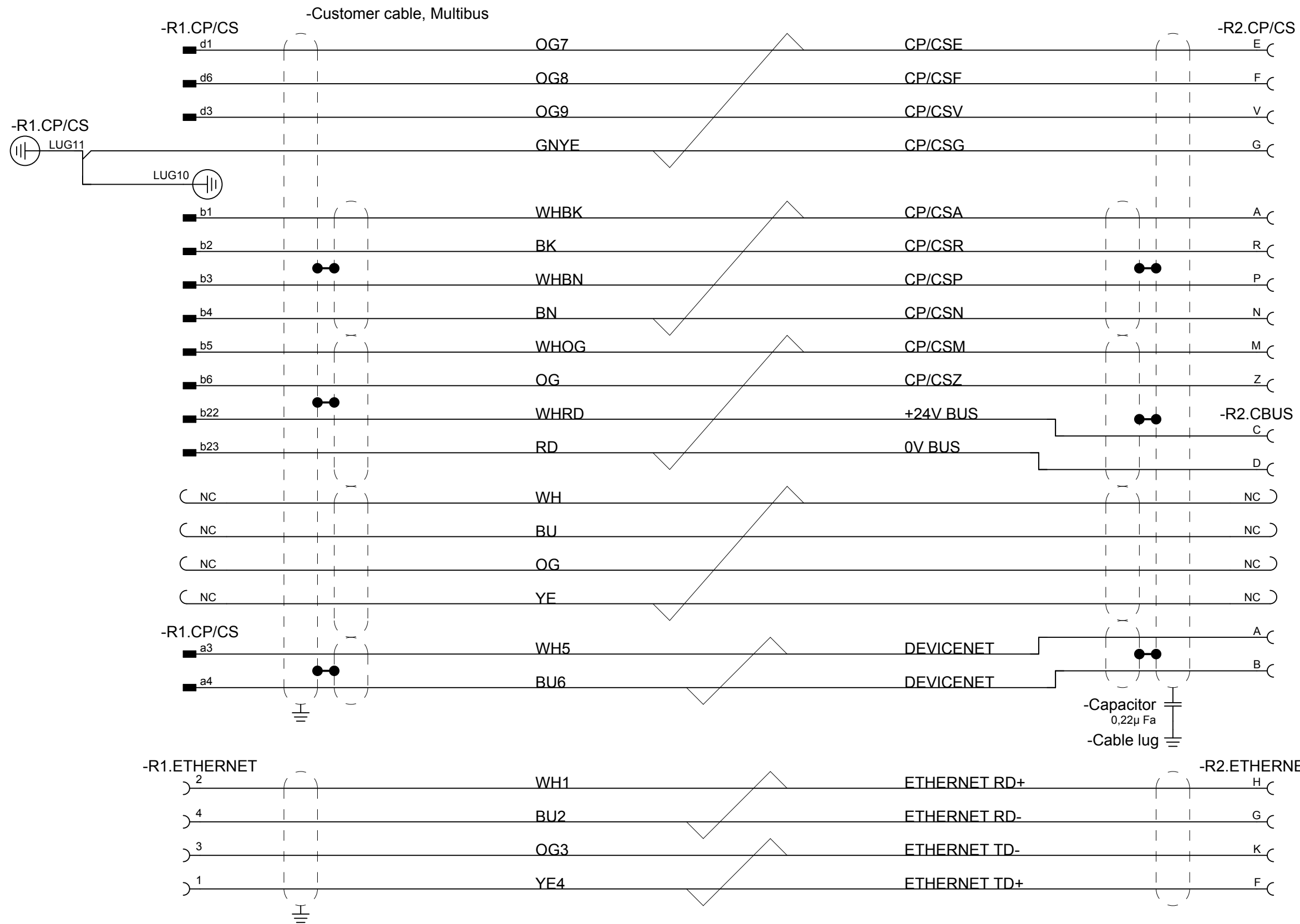
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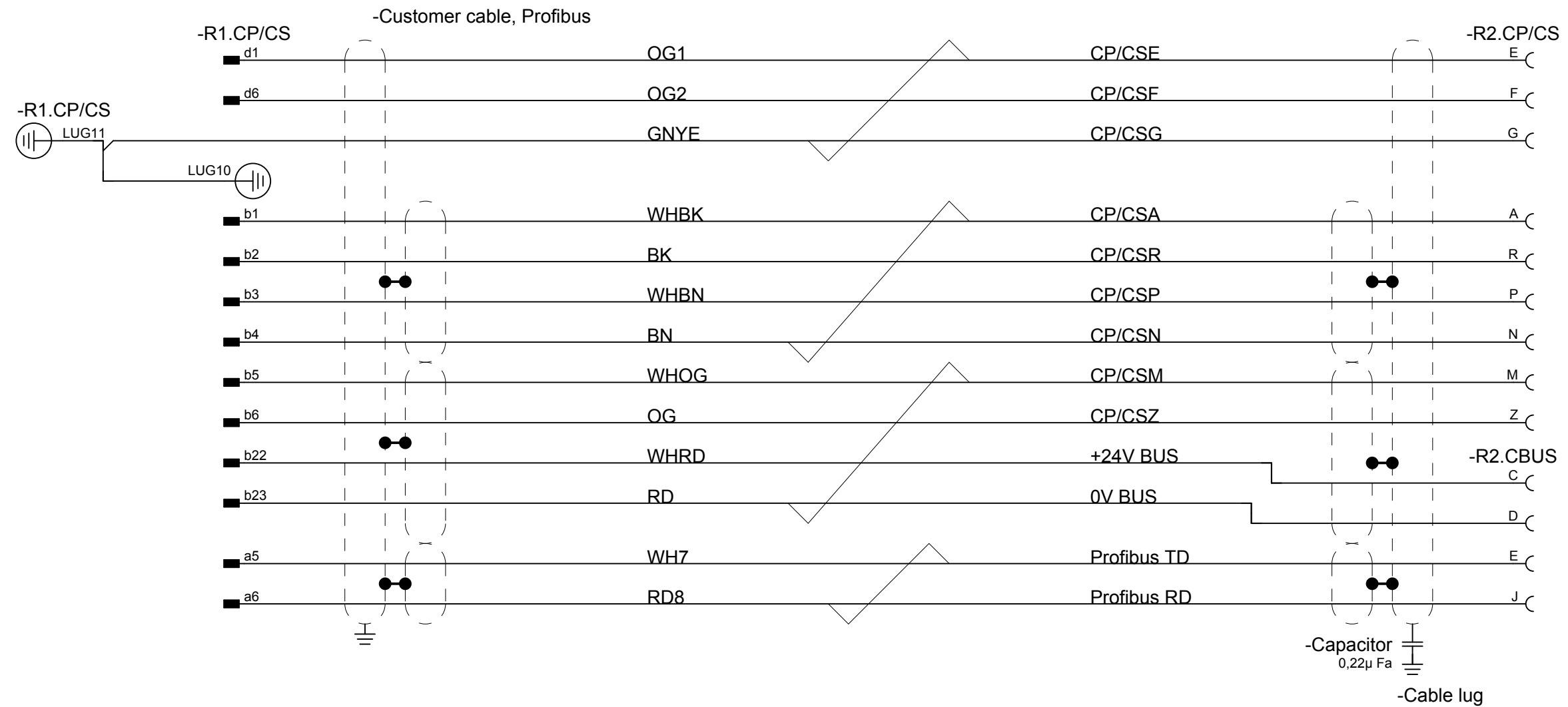
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