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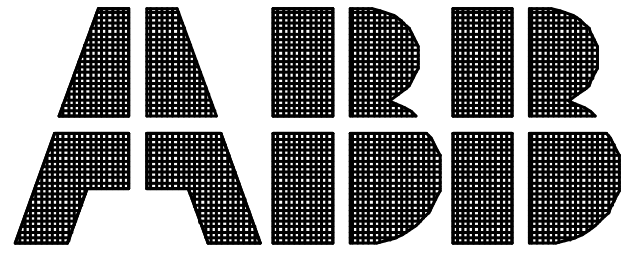
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Description : IRB 14050
 Drawing number : 3HAC064375-009
 Drawing version : 02
 Date :

Customer :
 Year of construction :

Drawn by : CNQIL12
 Number of pages : 19

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	Stomme, ramverk/ Functional equipotential bonding
	Stomme, ramverk/ Functional equipotential bonding
	Jord, allmän symbol/ Earth, general symbol.
	Störningsfri jord/ Functional earthing.
	Skyddsjord/ Protective earthing.
	Tvinnade ledare/ Twisted conductors.
	Trippel tvinnade ledare/ Triple twisted conductors.
	Fyrdubbelt tvinnade ledare/ Quadruple twisted conductors.
	Tvinnade ledare part A med part B Twisted conductors part A with part B
	Skärm/ Shield.

	Slutkontakt/ Make contact, general.
	Handmanövrerad brytare, allmän/ Switch manually operated, general.
	Styrning med spåk/ Actuator (operated by lever).
	Styrning genom vridning/ Actuator (operated by turning).
	Styrning genom tryckning/ Actuator (operated by pushing).
	Nödstopp (svamptryckknapp)/ Actuator, emergency.
	Skarvhylsa Through joint
	Filter/ Filter.
	Lampa/ Lamp.
	Kontakthylsa hona/ Socket outlet female.
	Kontaktstift hane/ Pin male.

	Strömtransformator/ Current transformer.
	Likström, DC / Direct current, DC.
	Växelström, AC / Alternating current, AC.
	Styrning, elektromagnetisk styrdon/ Actuator, by electromagnetic.

Ethernet signal:
 1. Transmit TX+ or TX- and receive RX+ or RX-
 2. Unit possible to transmit or receive TX+/RX+ or TX-/RX-
 3. Ethernet Gigabit signal, transmit pair one MX1+ , MX1- and receive the MX2+ , MX2-
 If Gigabit transmit pair MX3+ , MX3- and receive pair MX4+ , MX4-

Column coordinate number on the drawing

Wire/connector one colour code.
 BK = Black, BN = Brown, RD = Red, OG = Orange
 YE = Yellow, GN = Green, BU = Blue, VT = Violet
 GY = Grey, WH = White, PK = Pink, TQ = Turquoise . . .

Wire/connector two colour code.
 Example 1 : WH/RD = White and Red.
 Example 2 : GNYE = Green and Yellow.

Example: Cable with four colour coded wire, square area AWG24 and cable number 709.

709	
AWG24	BK
	BN
	RD/OG
	BK/OG

Translation table square area from AWG to mm2.

AWG28	0,093	AWG18	0,93
AWG26	0,15	AWG16	1,25
AWG24	0,25	AWG14	2,44
AWG22	0,34	AWG12	3,02
AWG20	0,56	AWG10	4,65

Run chain presentation starts at sheet 26.
 The Run chain marked as a wider wire.

Example: Run chain marked with a wider wire.

Example: Not Run chain marked with a thin wire.

Example, showing how to read the information before and after a signal.

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SYMBOL INFORMATION

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Valid for:

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


Harness for Robot:

3HAC063887-002	Cable harness_IRB14050
3HAC050887-001	Hall Sensor Interface Board
3HAC048879-001	Hall Sensor Signal Cable(3Pin)

Board unit for Robot:

3HAC063968-001	SMB Unit
3HAC044075-001	Battery Unit
3HAC058663-001	DSQC1030 Digital Base

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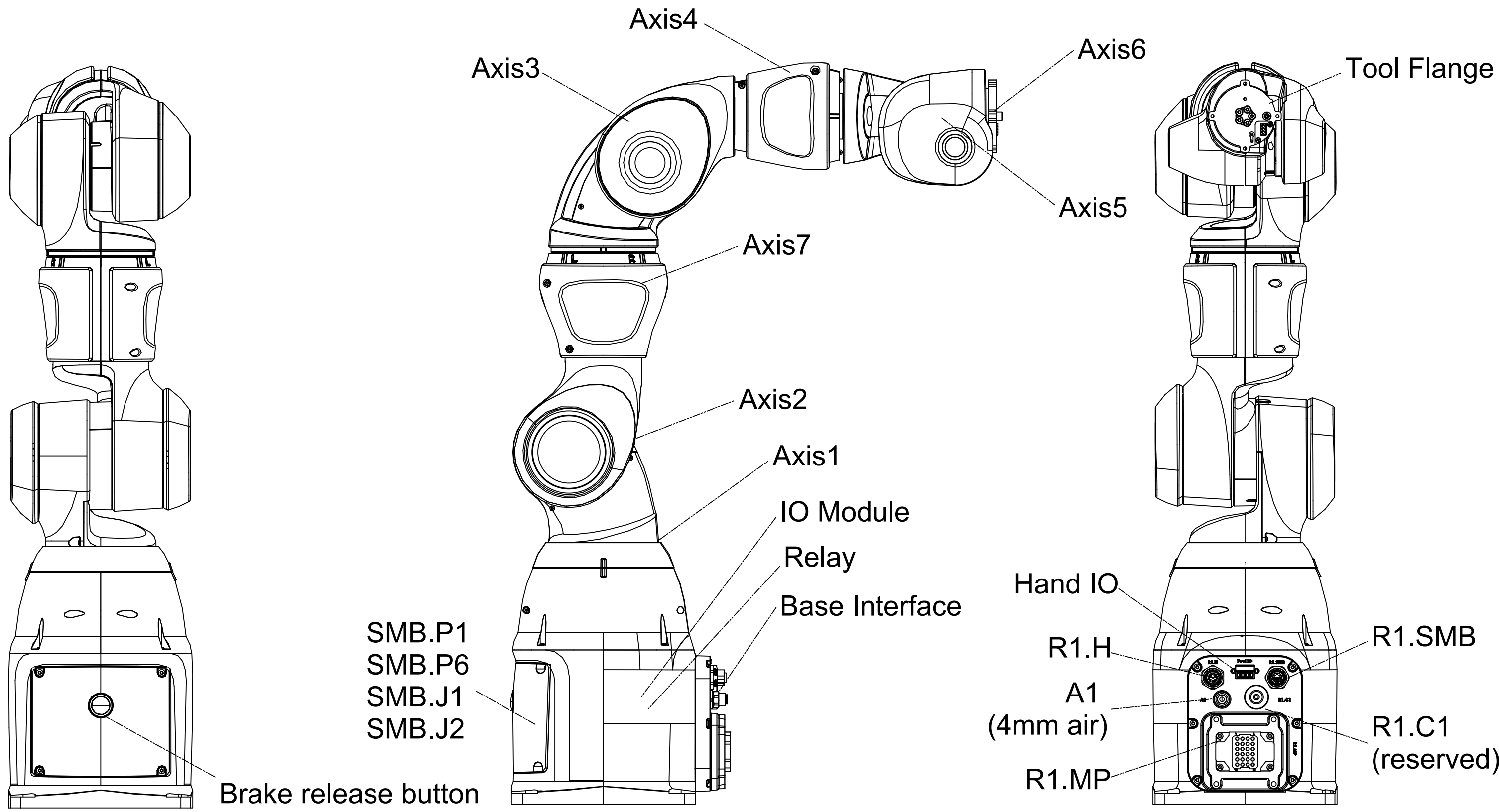
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2018-04-03 First version Ver00
 2018-10-09 Revision Ver01
 (Corrected SMB pin number in page15)
 2019-06-24 Revision Ver02
 1: Correct interrupt name for input signals in page 14
 2: Correct brake connection for axis1,2,7,3 in page16~19.

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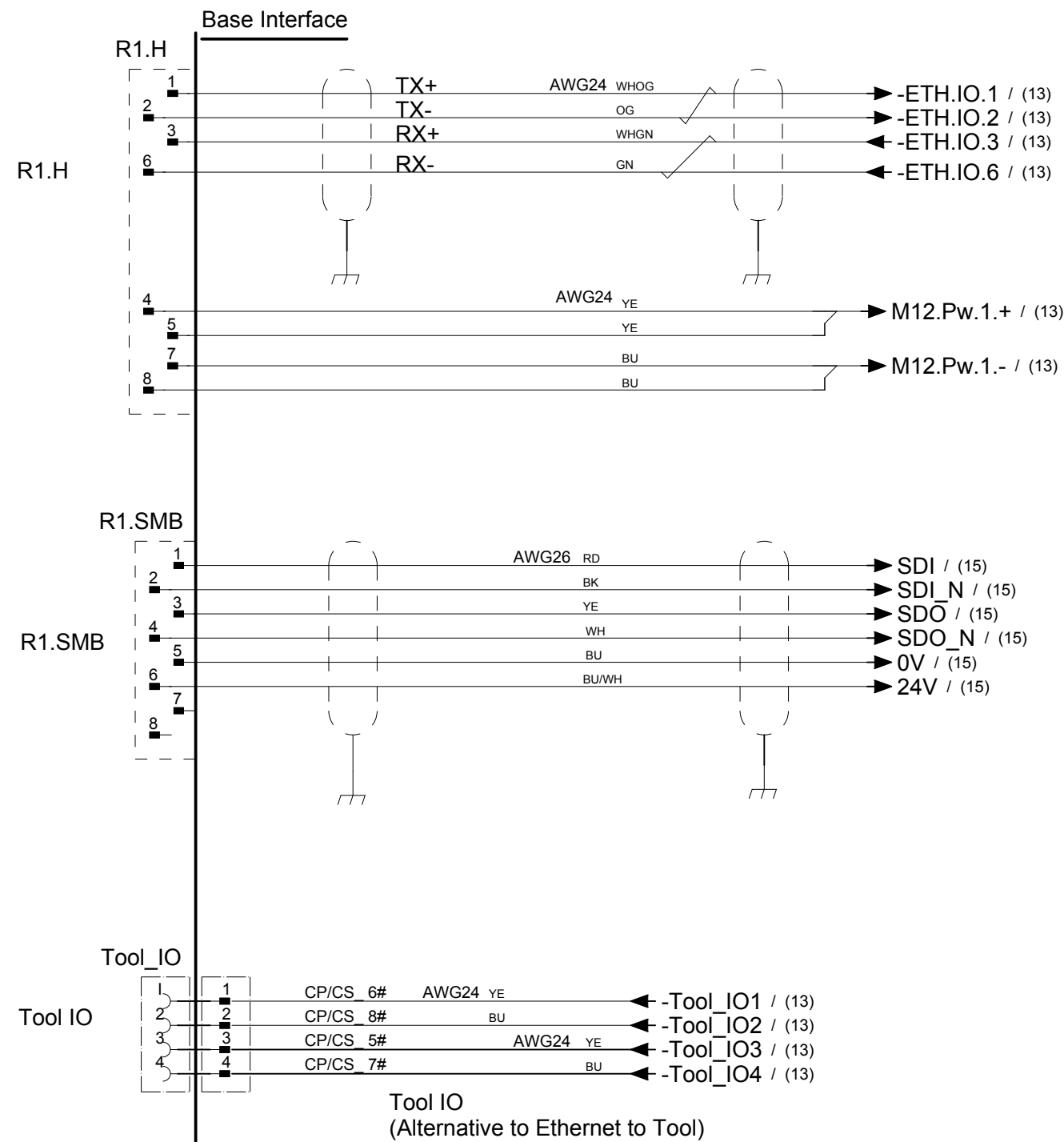
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 CONNECTION POINT LOCATION

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BASE INTERFACE 1

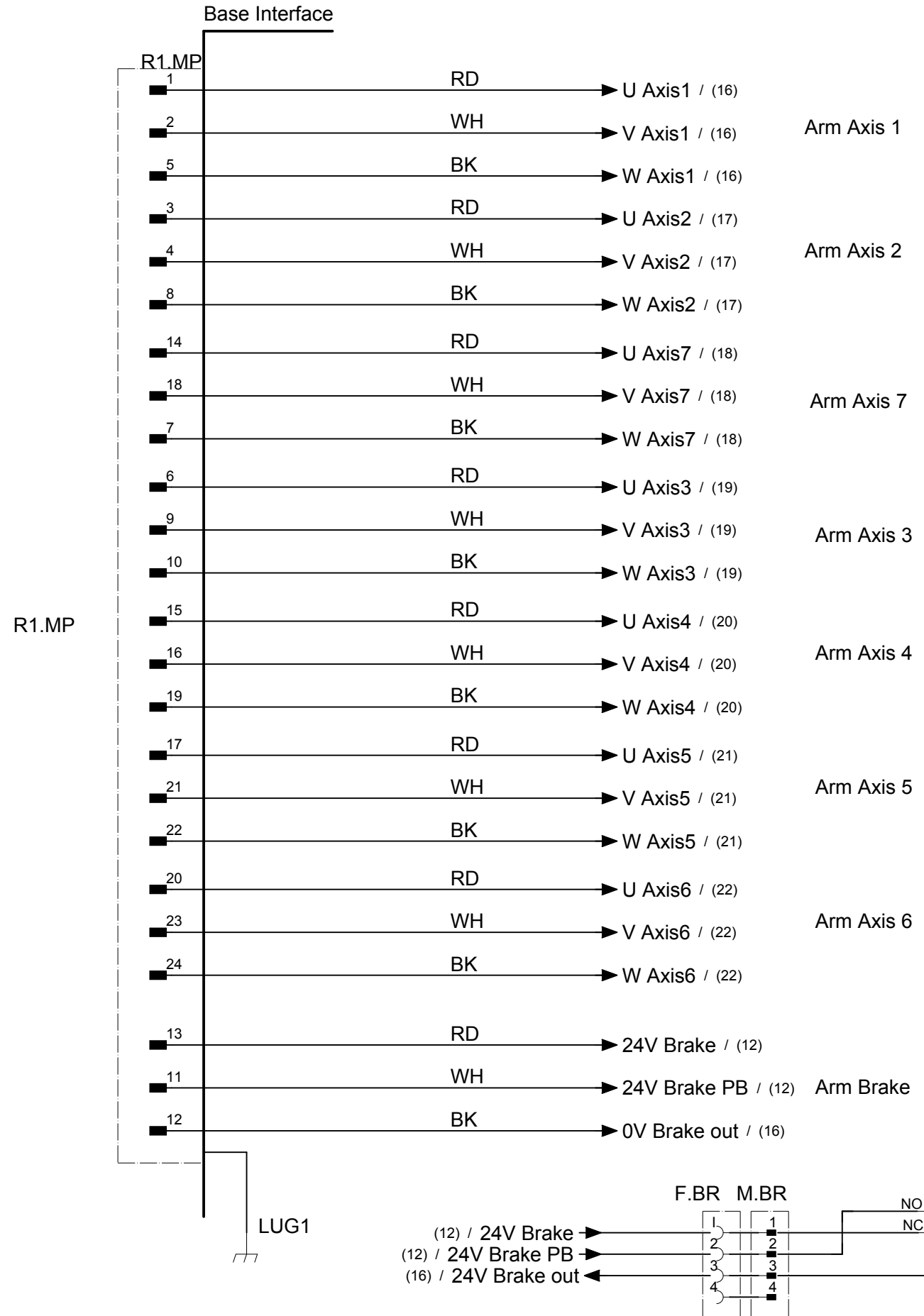
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Base Interface



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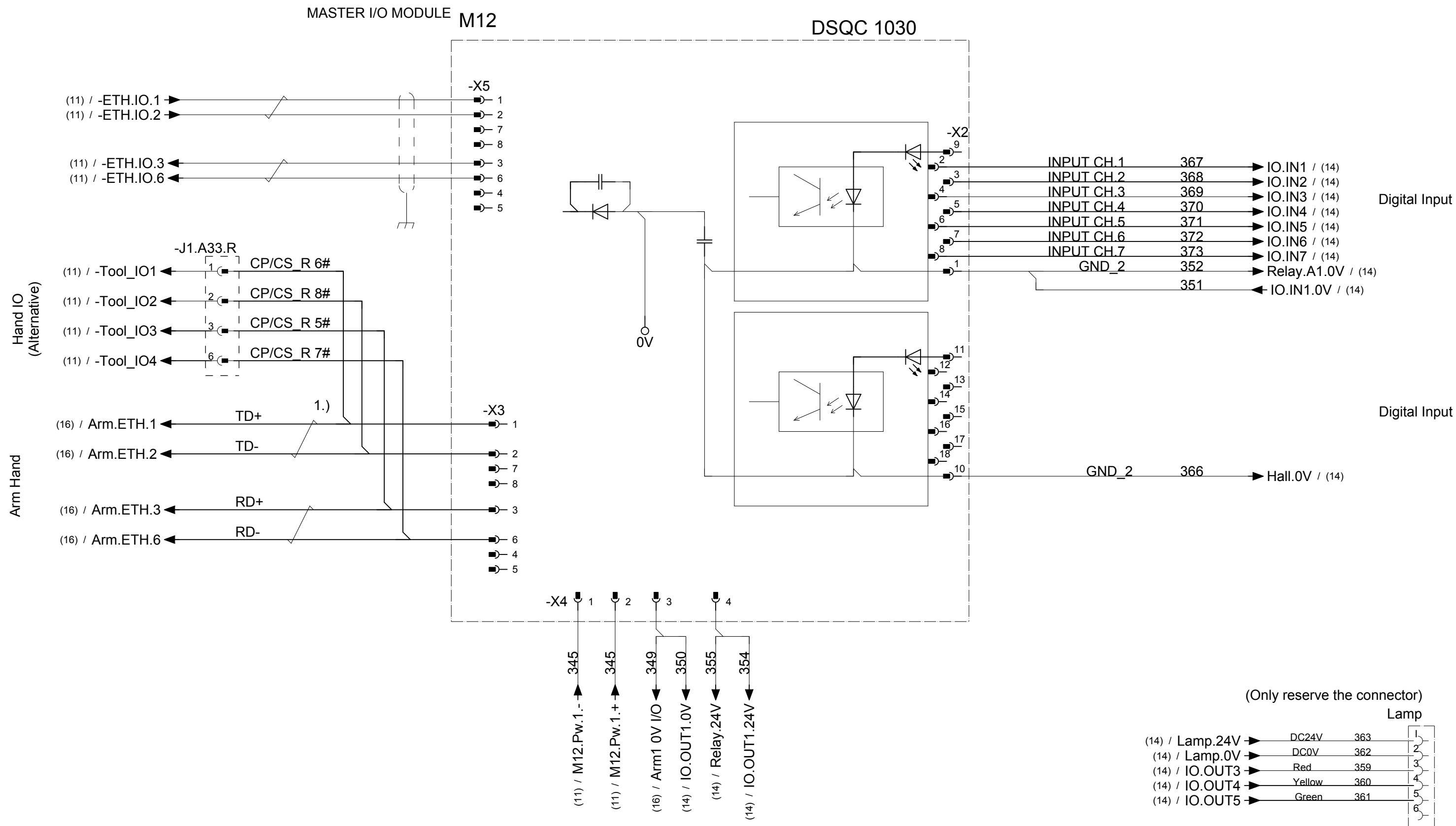
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BASE INTERFACE 2

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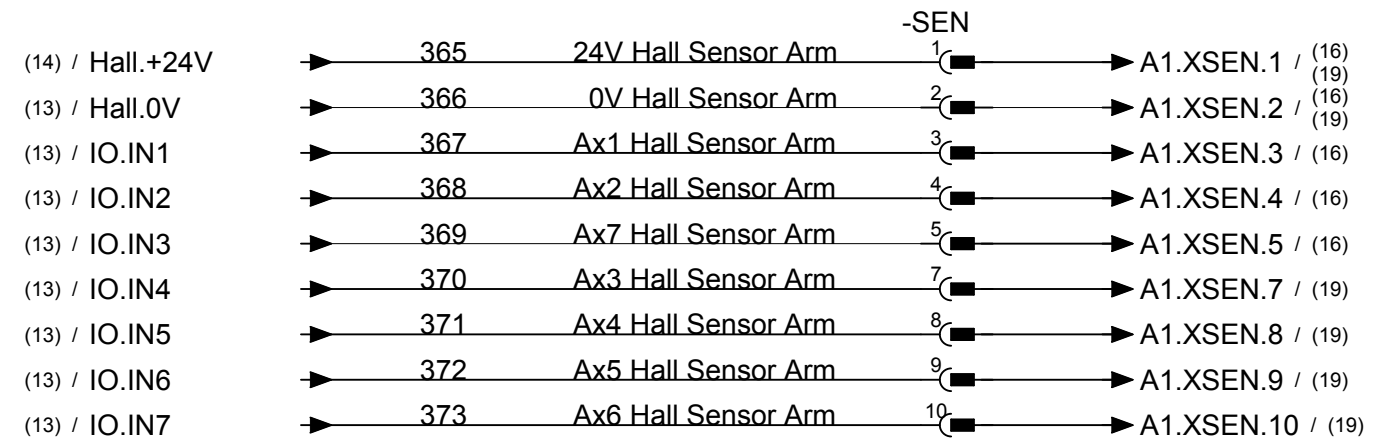
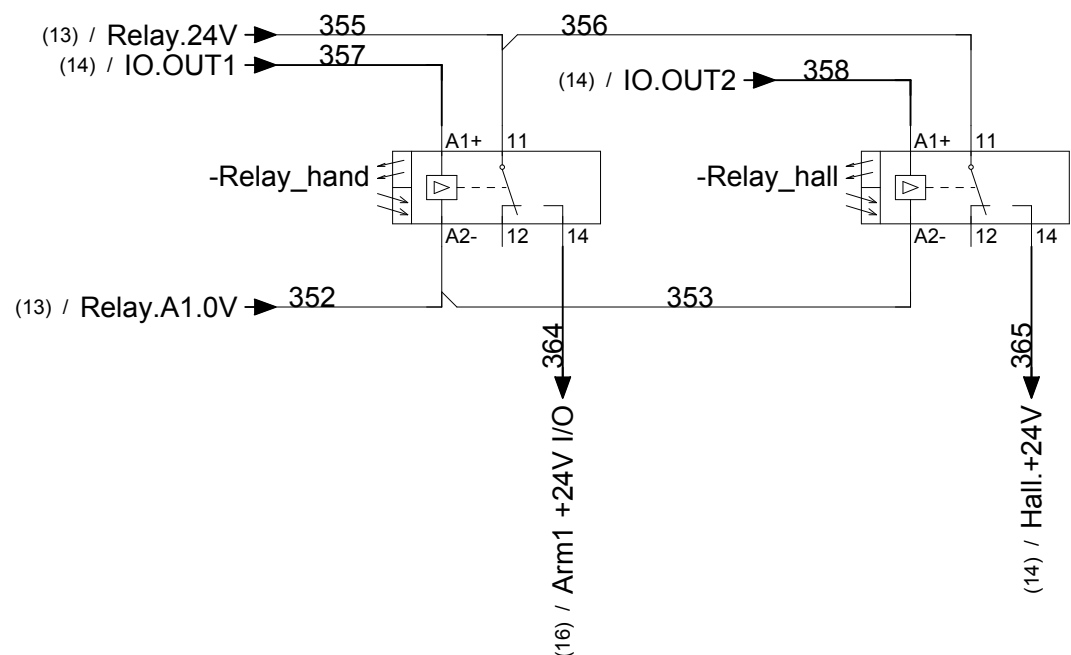
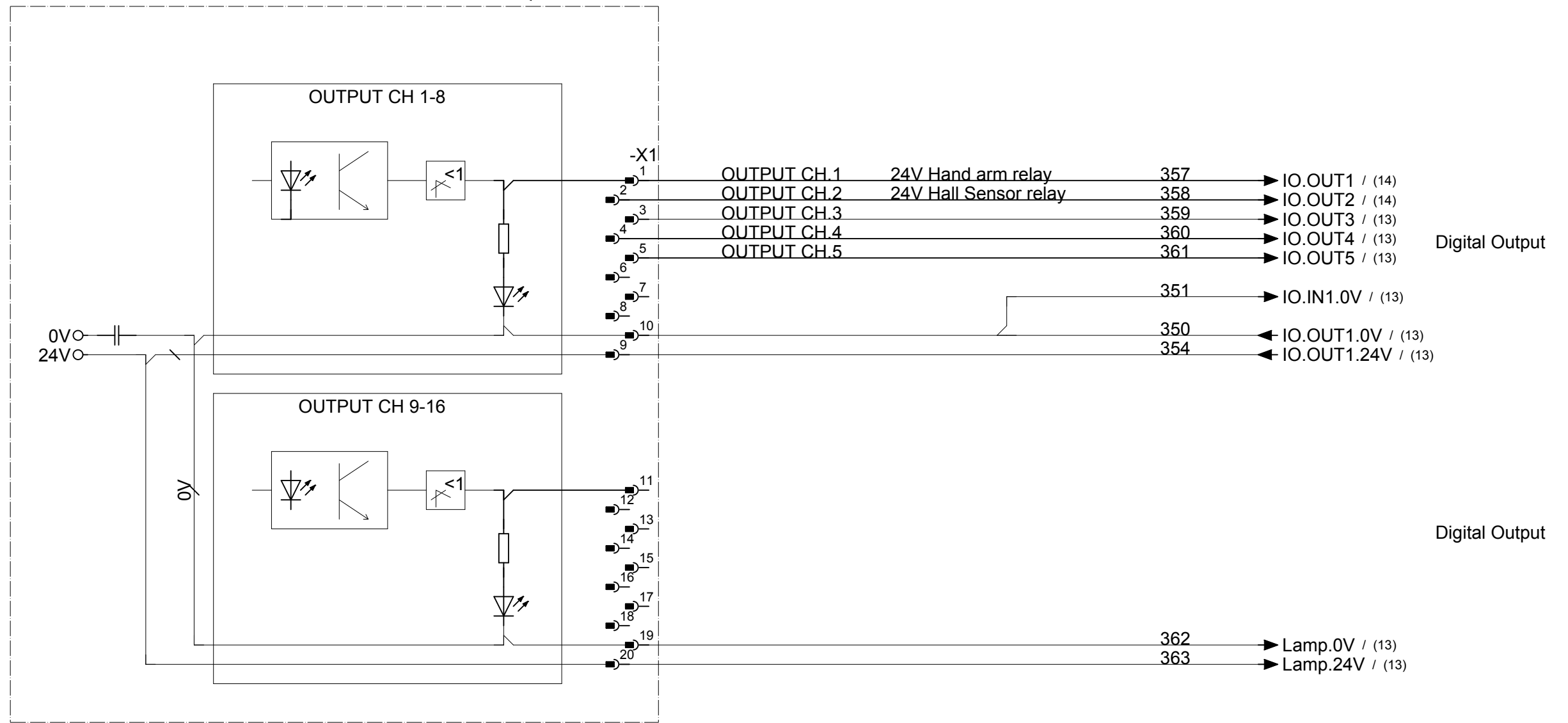


1): Alternative connection for customer Tool IO instead of Ethernet on the tool flange

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MASTER I/O MODULE M12

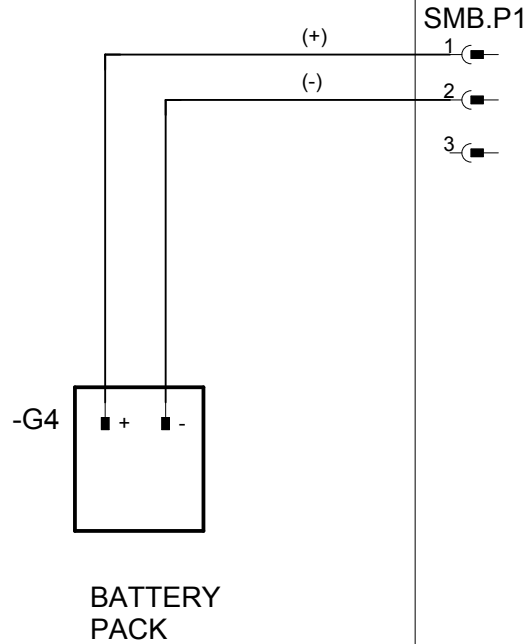
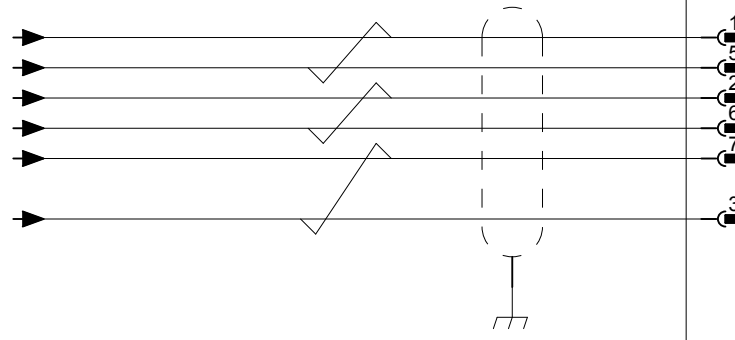
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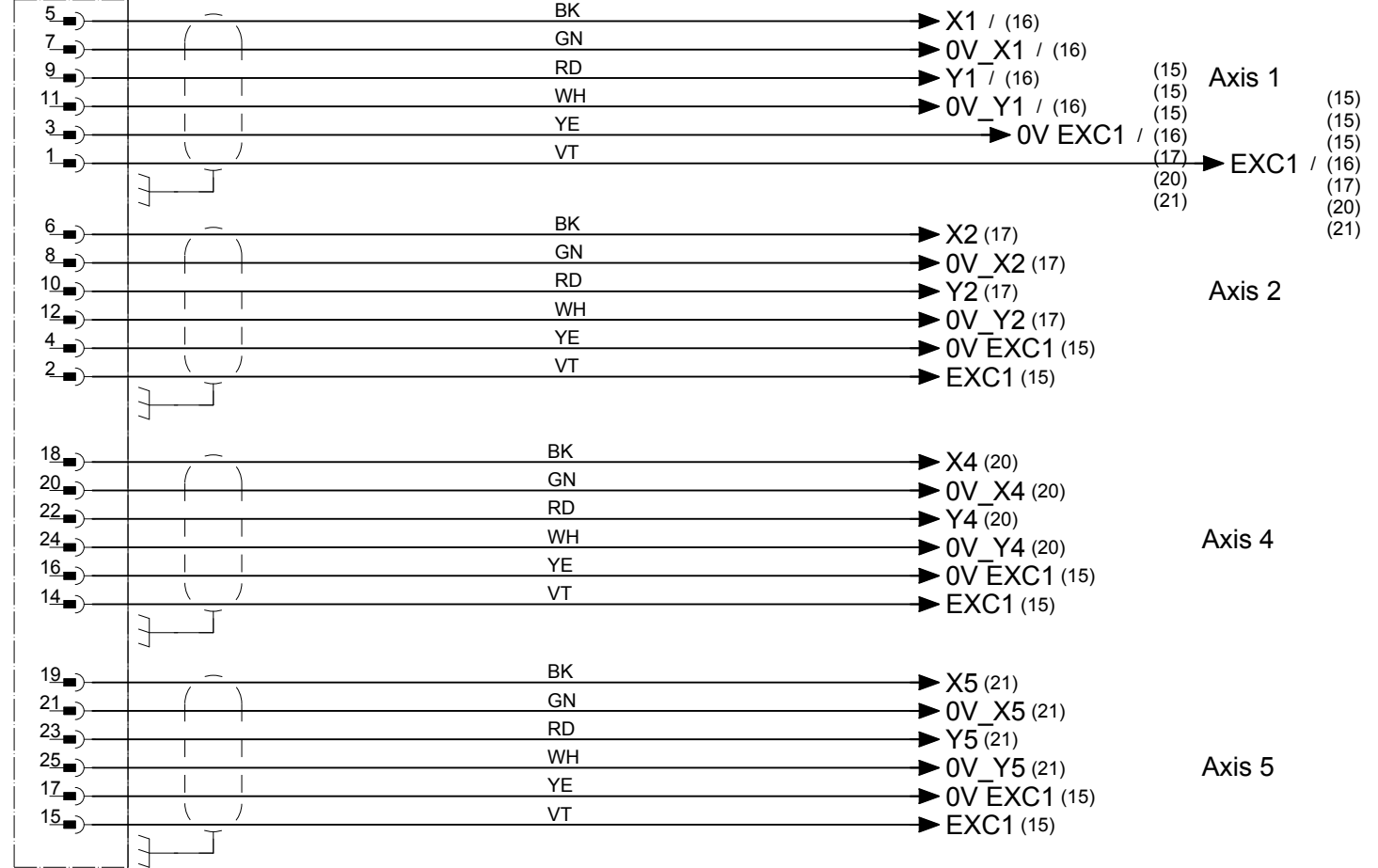
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DSQC3026 SMB

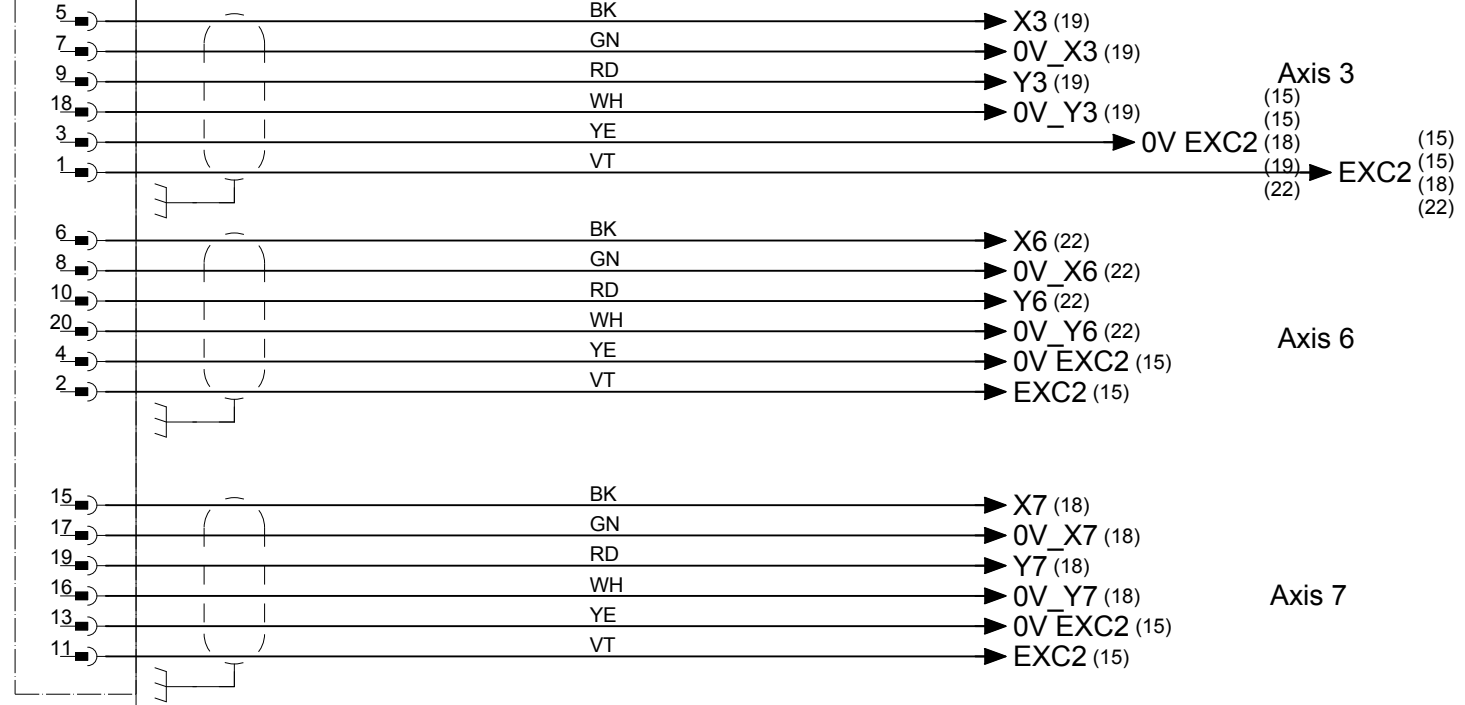
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 (11) / SDI_N
 (11) / SDO
 (11) / SDO_N
 (11) / 0V
 (11) / 24V



SMB.J1



SMB.J2



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SERIAL MEASUREMENT BOARD

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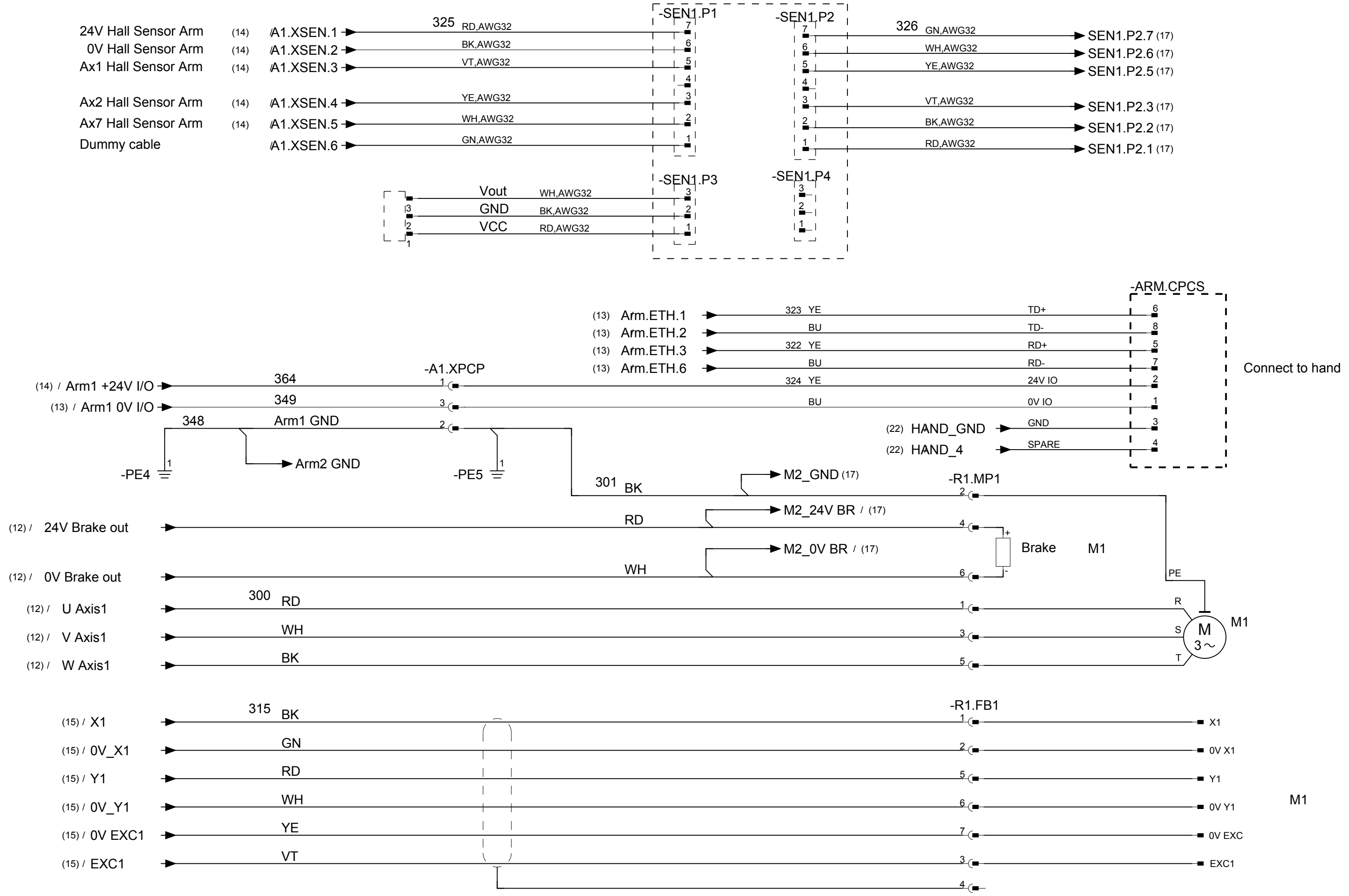
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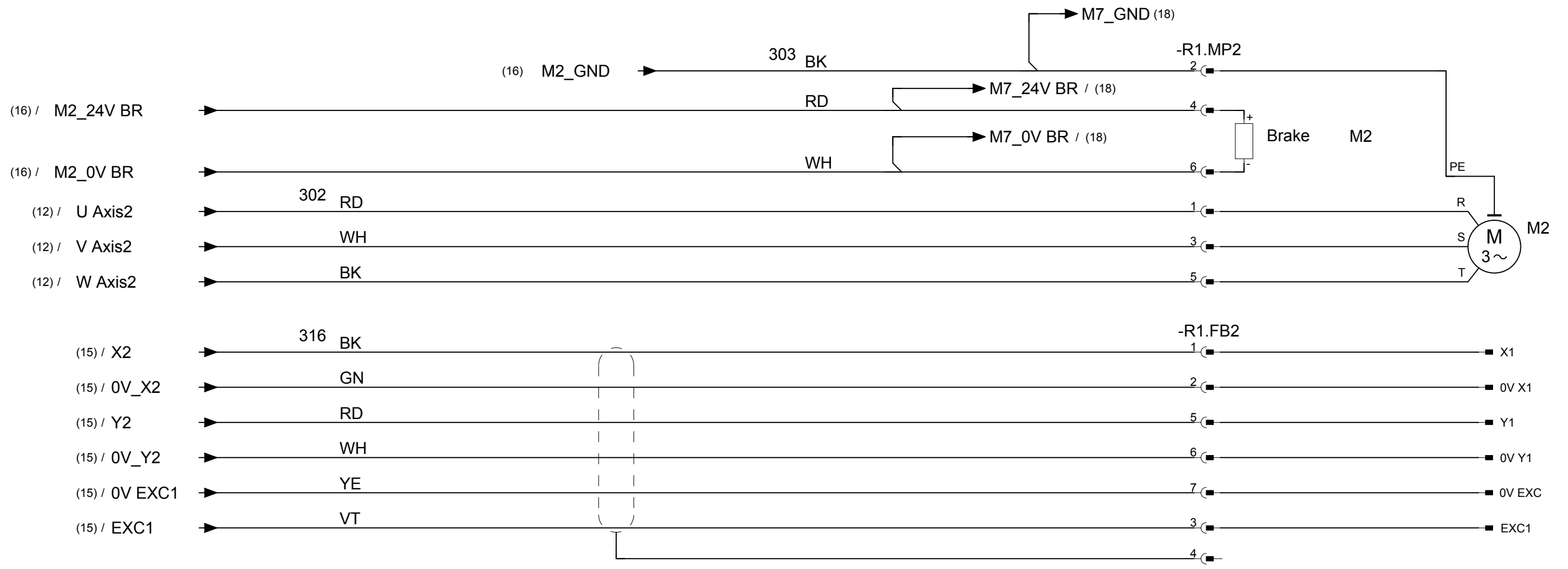
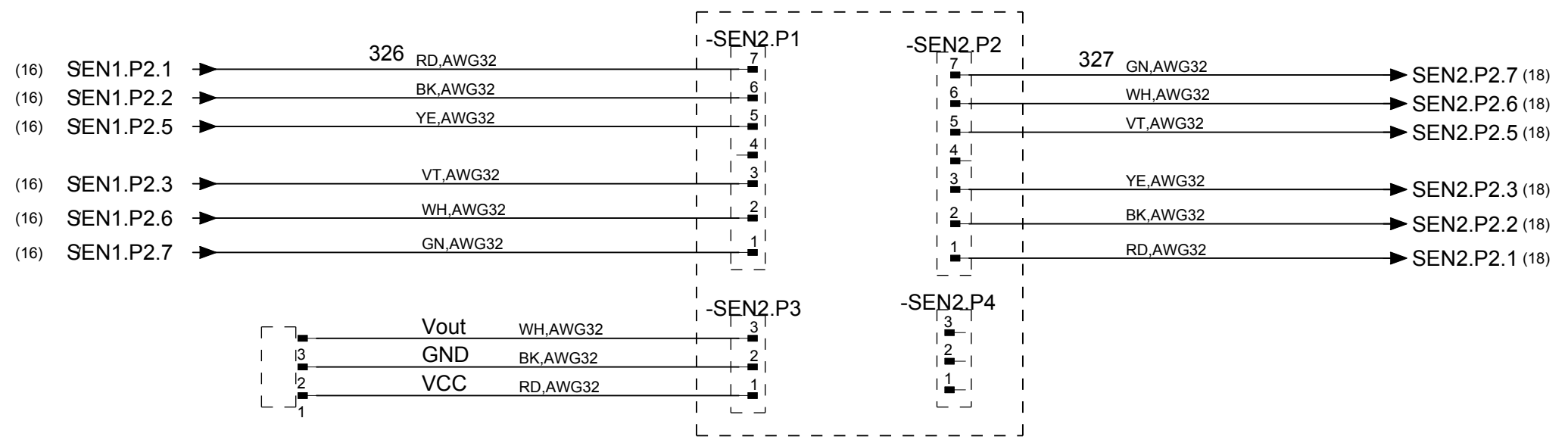


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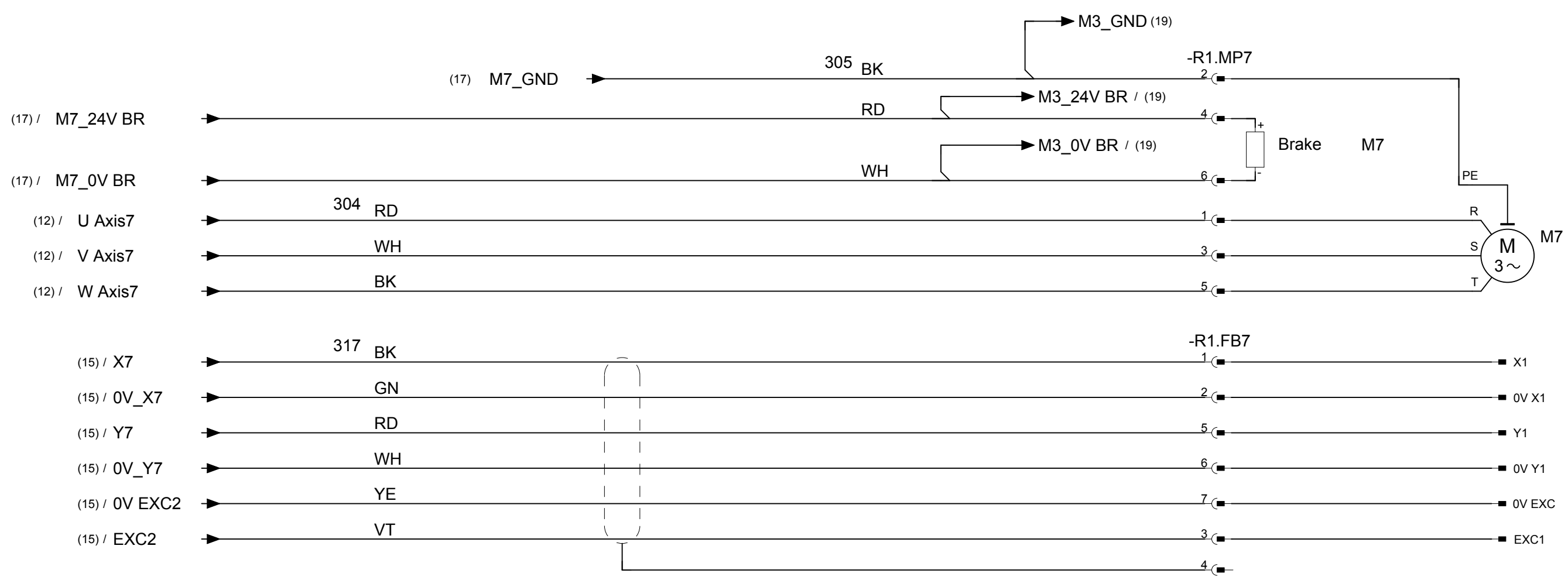
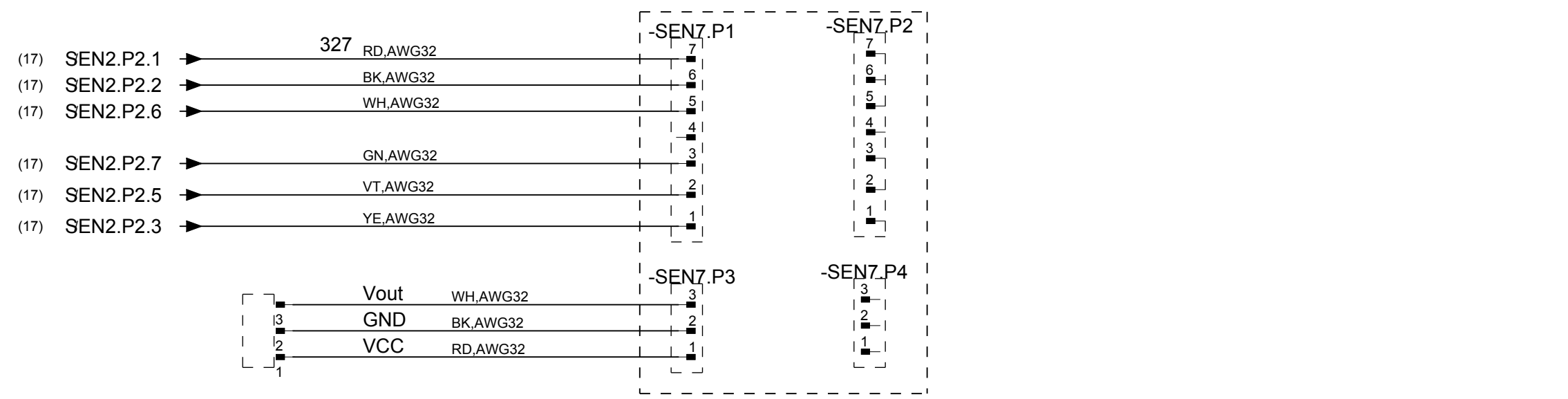
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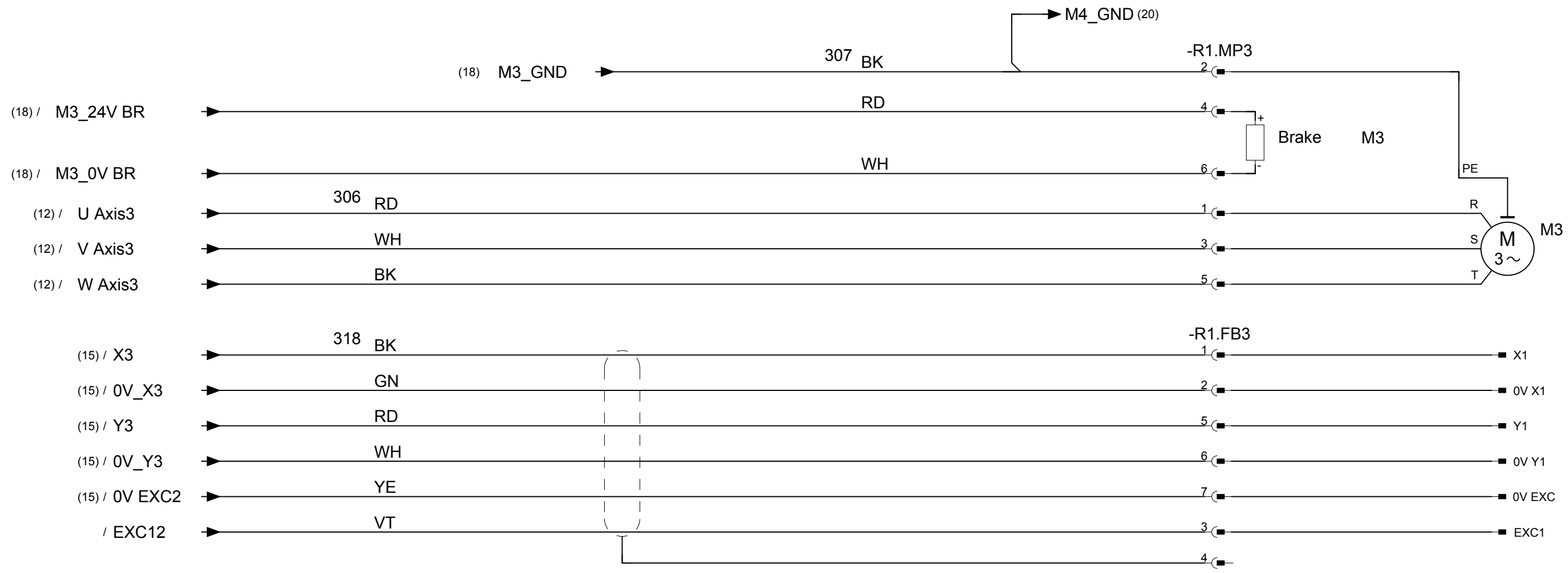
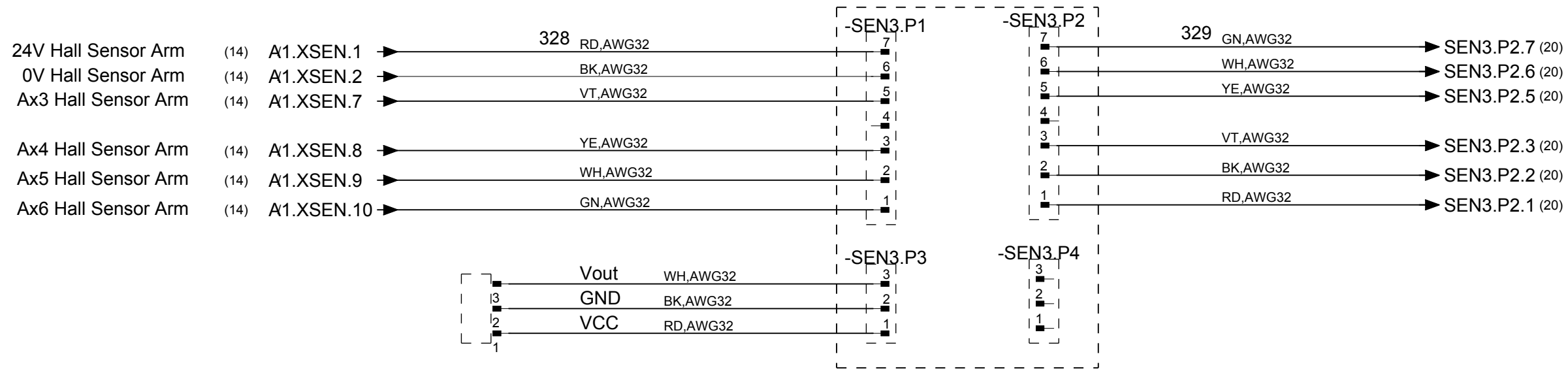


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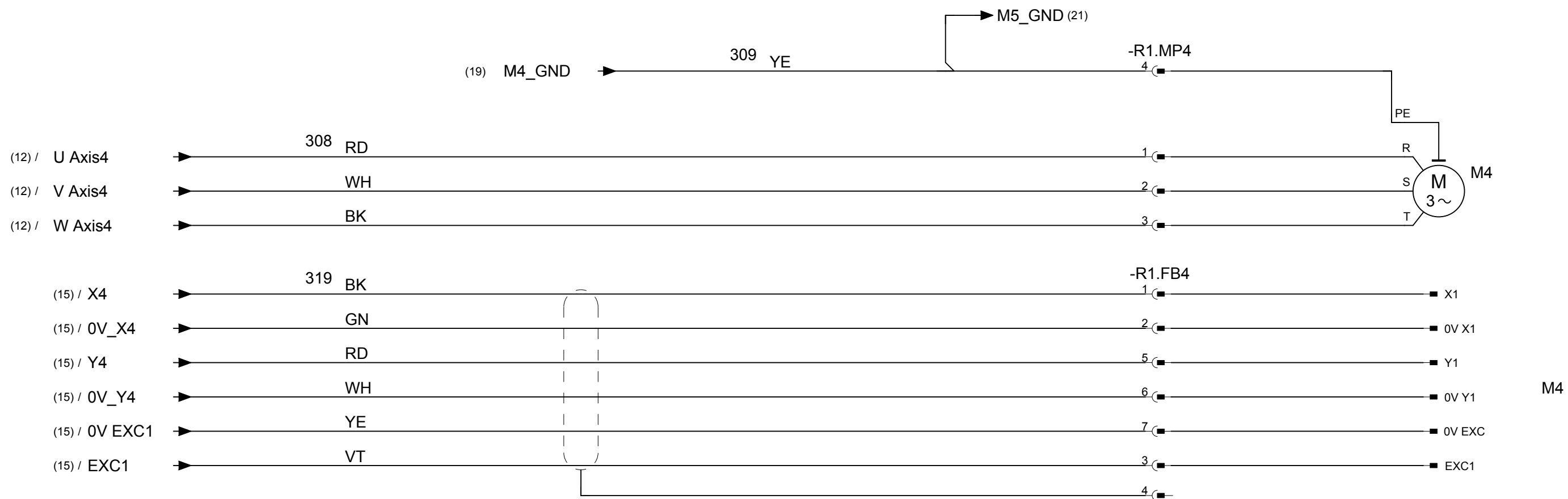
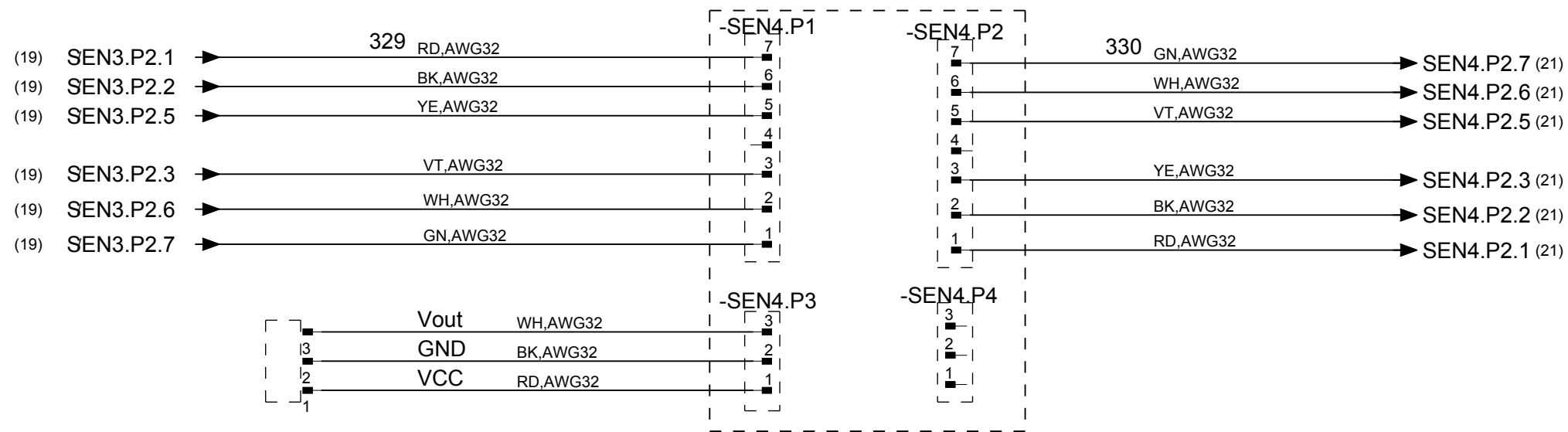
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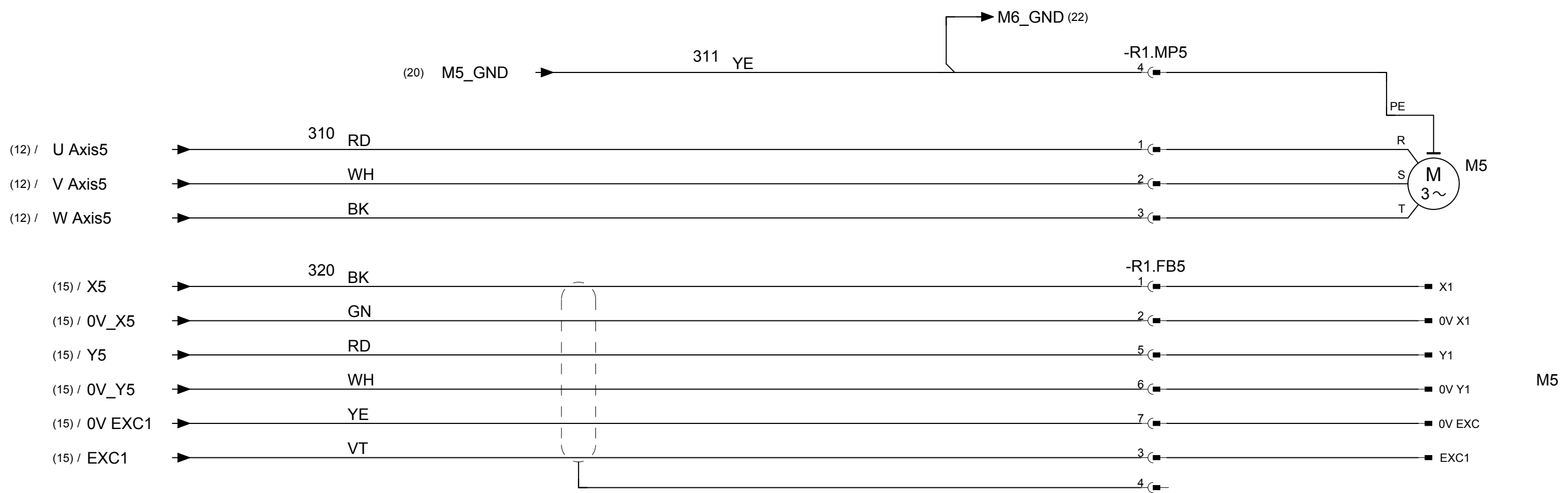
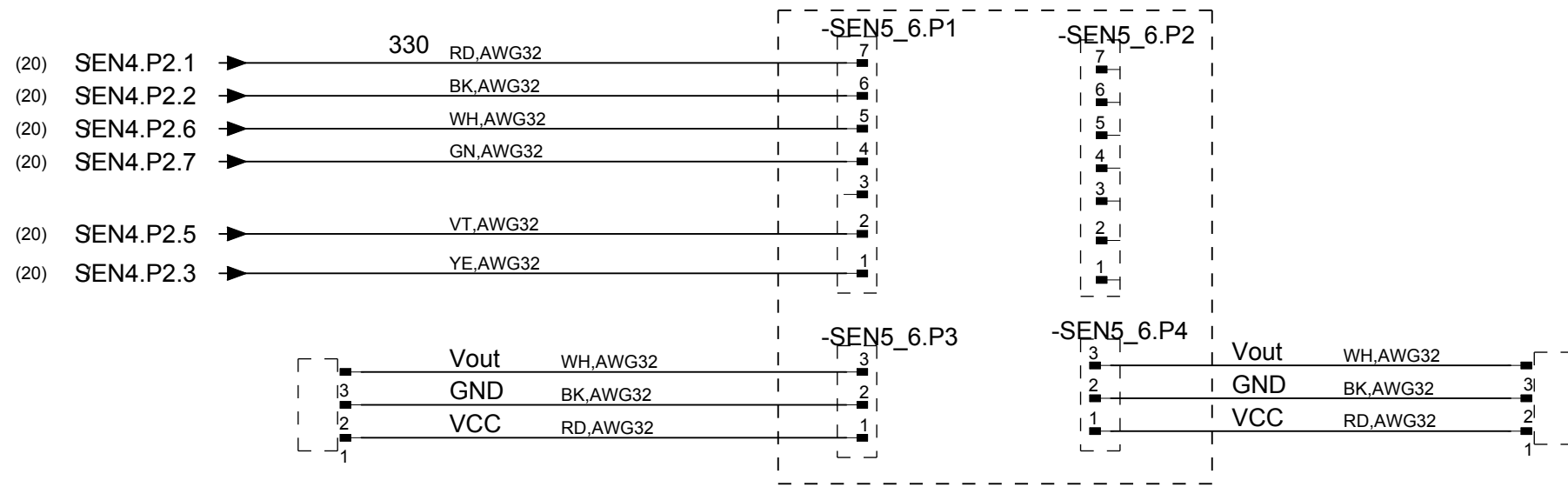


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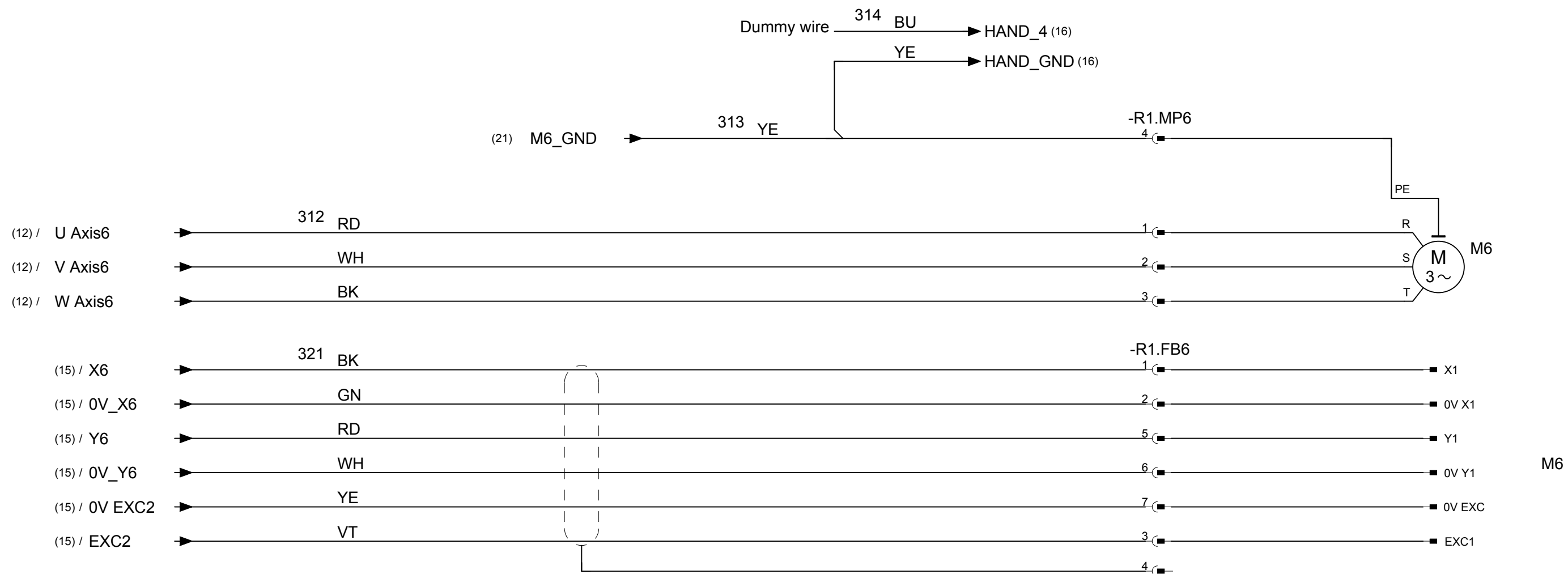
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