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BERGER LAHR

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PRODUCT MACROS FOR EPLAN 5. xx

Series: TLC6

Version: 1.3

Status: 03/2007

Number of pages:

80

Date	29.01.07
User.	CBA
Check.	20.03.07

BERGER LAHR

COVER PAGE

=DOC
+

Changes	Date	Name	Norm
			MACROS TLC6

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0002	DOC		2	TABLE OF CONTENTS / MACRO DIRECTORY			CBA
0003	DOC		3	TABLE OF CONTENTS / MACRO DIRECTORY			CBA
0004	DOC		4	TABLE OF CONTENTS / MACRO DIRECTORY			CBA
0005	DOC		5	DESCRIPTION			CBA
0006	DOC		6	DESCRIPTION			CBA
0007	TLC	611F	1	TLC611F Motion Controller with drive amplifier	TLC611F XXXXX XX XXXXX XXXXX	TLC611F X_1	CBA
0008	TLC	611F	2	TLC611F Motion Controller with drive amplifier	TLC611F XXXXX XX XXXXX XXXXX	TLC611F X_2	CBA
0009	TLC	611F	3	Options/Accessories TLC61	OPTIONS/TLC61		CBA
0010	TLC	611F	4	TLC611F Motion Controller with drive amplifier	TLC611F XXXXX XX XXXXX XXXXX	TLC611F X	CBA
0011	TLC	611NF	1	TLC611NF Motion Controller with drive amplifier	TLC611NF XXXXX XX XXXXX XXXXX	TLC611NF X_1	CBA
0012	TLC	611NF	2	TLC611NF Motion Controller with drive amplifier	TLC611NF XXXXX XX XXXXX XXXXX	TLC611NF X_2	CBA
0013	TLC	611NF	3	Options/Accessories TLC61	OPTIONS/TLC61		CBA
0014	TLC	611NF	4	TLC611NF Motion Controller with drive amplifier	TLC611NF XXXXX XX XXXXX XXXXX	TLC611NF X	CBA
0015	TLC	612F	1	TLC612F Motion Controller with drive amplifier	TLC612F XXXXX XX XXXXX XXXXX	TLC612F X_1	CBA
0016	TLC	612F	2	TLC612F Motion Controller with drive amplifier	TLC612F XXXXX XX XXXXX XXXXX	TLC612F X_2	CBA
0017	TLC	612F	3	Options/Accessories TLC61	OPTIONS/TLC61		CBA
0018	TLC	612F	4	TLC612F Motion Controller with drive amplifier	TLC612F XXXXX XX XXXXX XXXXX	TLC612F X	CBA
0019	TLC	612NF	1	TLC612NF Motion Controller with drive amplifier	TLC612NF XXXXX XX XXXXX XXXXX	TLC612NF X_1	CBA
0020	TLC	612NF	2	TLC612NF Motion Controller with drive amplifier	TLC612NF XXXXX XX XXXXX XXXXX	TLC612NF X_2	CBA
0021	TLC	612NF	3	Options/Accessories TLC61	OPTIONS/TLC61		CBA
0022	TLC	612NF	4	TLC612NF Motion Controller with drive amplifier	TLC612NF XXXXX XX XXXXX XXXXX	TLC612NF X	CBA
0023	TLC	611PSF	1	TLC611PSF Motion Controller with drive ampilfier	TLC611PSFXXXXX XX XXXXX XXXXX	TLC611PSFX_1	CBA
0024	TLC	611PSF	2	TLC611PSF Motion Controller with drive ampilfier	TLC611PSFXXXXX XX XXXXX XXXXX	TLC611PSFX_2	CBA
0025	TLC	611PSF	3	Options/Accessories TLC61	OPTIONS/TLC61		CBA
0026	TLC	611PSF	4	TLC611PSF Motion Controller with drive ampilfier	TLC611PSFXXXXX XX XXXXX XXXXX	TLC611PSFX	CBA
0027	TLC	612PSF	1	TLC612PSF Motion Controller with drive amplifier	TLC612PSFXXXXX XX XXXXX XXXXX	TLC612PSFX_1	CBA
0028	TLC	612PSF	2	TLC612PSF Motion Controller with drive amplifier	TLC612PSFXXXXX XX XXXXX XXXXX	TLC612PSFX_2	CBA
0029	TLC	612PSF	3	Options/Accessories TLC61	OPTIONS/TLC61		CBA
0030	TLC	612PSF	4	TLC612PSF Motion Controller with drive amplifier	TLC612PSFXXXXX XX XXXXX XXXXX	TLC612PSFX	CBA
0031	TLC	632F	1	TLC632F Motion Controller with drive amplifier	TLC632F XXXXX XX XXXXX XXXXX	TLC632F X_1	CBA
0032	TLC	632F	2	TLC632F Motion Controller with drive amplifier	TLC632F XXXXX XX XXXXX XXXXX	TLC632F X_2	CBA

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0034	TLC	632F	4	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0035	TLC	632F	5	TLC632F Motion Controller with drive amplifier	TLC632F XXXXX XX XXXXX XXXXX	TLC632F X	CBA
0036	TLC	632NF	1	TLC632NF Motion Controller with drive amplifier	TLC632NF XXXXX XX XXXXX XXXXX	TLC632NF X_1	CBA
0037	TLC	632NF	2	TLC632NF Motion Controller with drive amplifier	TLC632NF XXXXX XX XXXXX XXXXX	TLC632NF X_2	CBA
0038	TLC	632NF	3	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0039	TLC	632NF	4	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0040	TLC	632NF	5	TLC632NF Motion Controller with drive amplifier	TLC632NF XXXXX XX XXXXX XXXXX	TLC632NF X	CBA
0041	TLC	632PF	1	TLC632PF Motion Controller with drive amplifier	TLC632PF XXXXX XX XXXXX XXXXX	TLC632PF X_1	CBA
0042	TLC	632PF	2	TLC632PF Motion Controller with drive amplifier	TLC632PF XXXXX XX XXXXX XXXXX	TLC632PF X_2	CBA
0043	TLC	632PF	3	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0044	TLC	632PF	4	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0045	TLC	632PF	5	TLC632PF Motion Controller with drive amplifier	TLC632PF XXXXX XX XXXXX XXXXX	TLC632PF X	CBA
0046	TLC	634F	1	TLC634F Motion Controller with drive amplifier	TLC634F XXXXX XX XXXXX XXXXX	TLC634F X_1	CBA
0047	TLC	634F	2	TLC634F Motion Controller with drive amplifier	TLC634F XXXXX XX XXXXX XXXXX	TLC634F X_2	CBA
0048	TLC	634F	3	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0049	TLC	634F	4	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0050	TLC	634F	5	TLC634F Motion Controller with drive amplifier	TLC634F XXXXX XX XXXXX XXXXX	TLC634F X	CBA
0051	TLC	634NF	1	TLC634NF Motion Controller with drive amplifier	TLC634NF XXXXX XX XXXXX XXXXX	TLC634NF X_1	CBA
0052	TLC	634NF	2	TLC634NF Motion Controller with drive amplifier	TLC634NF XXXXX XX XXXXX XXXXX	TLC634NF X_2	CBA
0053	TLC	634NF	3	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0054	TLC	634NF	4	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0055	TLC	634NF	5	TLC634NF Motion Controller with drive amplifier	TLC634NF XXXXX XX XXXXX XXXXX	TLC634NF X	CBA
0056	TLC	634PF	1	TLC634PF Motion Controller with drive amplifier	TLC634PF XXXXX XX XXXXX XXXXX	TLC634PF X_1	CBA
0057	TLC	634PF	2	TLC634PF Motion Controller with drive amplifier	TLC634PF XXXXX XX XXXXX XXXXX	TLC634PF X_2	CBA
0058	TLC	634PF	3	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0059	TLC	634PF	4	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0060	TLC	634PF	5	TLC634PF Motion Controller with drive amplifier	TLC634PF XXXXX XX XXXXX XXXXX	TLC634PF X	CBA
0061	TLC	636F	1	TLC636F Motion Controller with drive amplifier	TLC636F XXXXX XX XXXXX XXXXX	TLC636F X_1	CBA
0062	TLC	636F	2	TLC636F Motion Controller with drive amplifier	TLC636F XXXXX XX XXXXX XXXXX	TLC636F X_2	CBA
0063	TLC	636F	3	Options/Accessories TLC63	OPTIONS/TLC63		CBA
0064	TLC	636F	4	Options/Accessories TLC63	OPTIONS/TLC63		CBA

LEGAL INFORMATION AND LIABILITY EXCLUSIONS

All details developed for this project are protected by copyright and are the intellectual property of the company.

Berger Lahr GmbH & Co.KG
Breslauer Straße 7
D-77933 Lahr

All information is provided with the best of intentions and to the best of our knowledge and belief.

We accept no liability for correctness or completeness of information.

We provide no guarantee for the use of product macros in the Eplan CAE System.

INFORMATION TO CHANGE THE LANGUAGE

1. Parameter->Project->Foreign languages->
expenditure sequence: D = german or E = english

2. Main menu->article->administration->Parameter->
Currency Language identification->
Article language identification: D = german / E = english

GENERAL INFORMATION

This product was created for EPLAN from version 5.60.
The functions contained in the macros are not available or only restrictedly available for EPLAN versions previous to 5.60!

REFERENCE! Because of the very many combination possibilities the user must replace the fields with X.
That is possible for the macros and the article datas.

PRODUCT STRUCTURE

This project is a macro project and contains EPLAN product macros belonging to Berger Lahr GmbH & Co.KG.

All EPLAN directories have been set to
...\EPLAN4\x\BERGER_LAHR*

DATA/FILES

Project:

...\EPLAN4\P\BERGER_LAHR\TLC6.P - Macro project + associated data

Standard files:

...\EPLAN4\N\BERGER_LAHR\

Macros:

...\EPLAN4\M\BERGER_LAHR\TLC6\ - Macros series TLC6

Article:

...\EPLAN4\L\BERGER_LAHR\TLC6\

...\EPLAN4\L\BERGER_LAHR\TLC6\TLC6_EN.XLS - MS-EXCEL article data

...\EPLAN4\L\BERGER_LAHR\TLC6\TLC6_EN.ASC - Eplan article import file english

INSTALLATION

All data (project, macros, article data, standardised data) can be read in using the EPLAN data backup / restore functions.

Article data can be imported to individual master article data:
EPLAN article management / data exchange / import / EPLAN-ASCII format

			Date	29.01.07	BERGER LAHR	DESCRIPTION			= DOC +
			User.	CBA					
			Check.	20.03.07					
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0005	Page 5 of 6

MACROS

Macro construction

- The product macros have been created so that they are
- usable for all Eplan project types in addition to almost all Eplan parameter settings
 - so that they are easily visually recognisable by the user, whereby the main focus is on the technical construction.

Macro functionalities

- The product macros have been logically tested,
- they can be embedded in existing projects without causing logical errors (EPLAN-evaluation sequences).
 - they are logically interlinked with one another and can be easily connected using the EPLAN "autoconnecting" function.
 - they are cross-referenced with one another since some componentry is shown distributed over several pages.

ARTICLE MASTER DATA

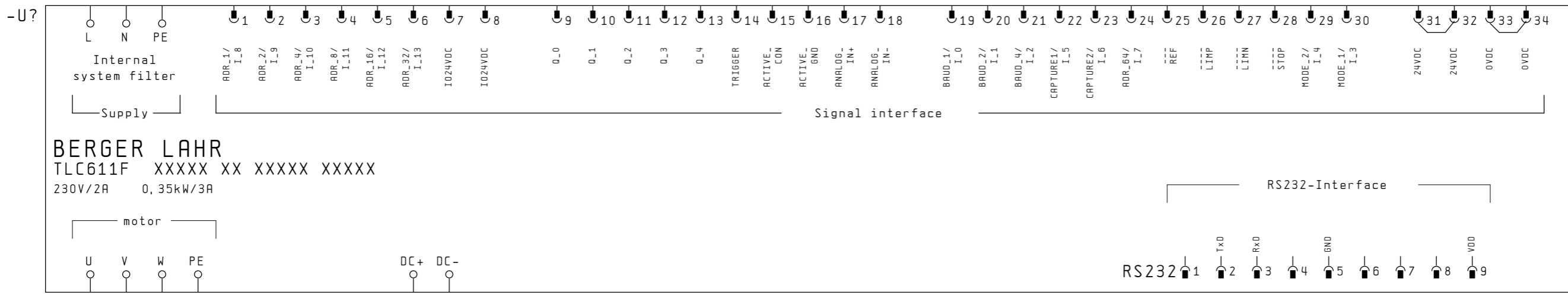
Master article data has been created for all devices and componentry. They are applicable to the in-system EPLAN article management and can be integrated into existing master article data.

This enables acceptance of the data in article management systems outside EPLAN (PPS). In addition, article data types can be adapted very easily to the existing data.

Since the dimensions of devices and componentry are stored in the master article data, the EPLAN "mounting plate fittings" module can be used for macros.

The article number is located next to every device or component.

			Date	29. 01. 07	BERGER LAHR	DESCRIPTION			= DOC
			User.	CBA					+
			Check.	20. 03. 07					
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0006	Page 6 of 6



BERGER LAHR
 TLC611F XXXXX XX XXXXX XXXXX
 230V/2A 0,35kW/3A

TLC611F X_1
 Mainmakro
 Motion Controller
 with drive amplifier

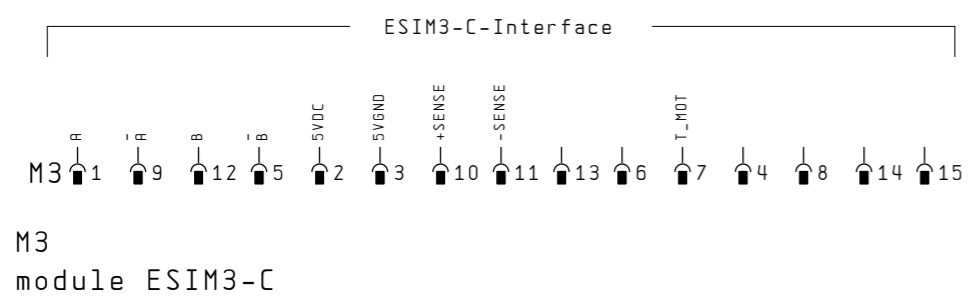
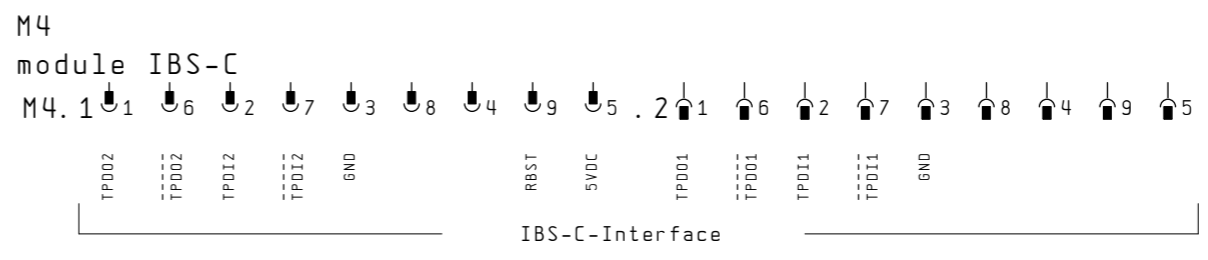
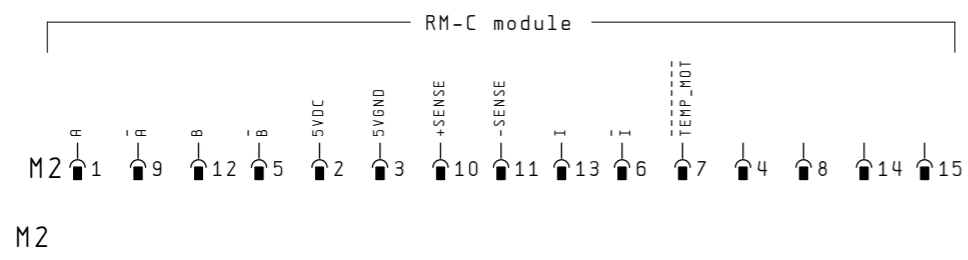
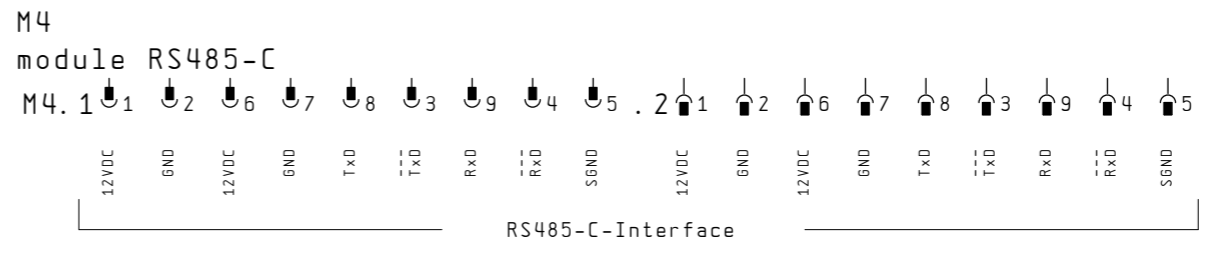
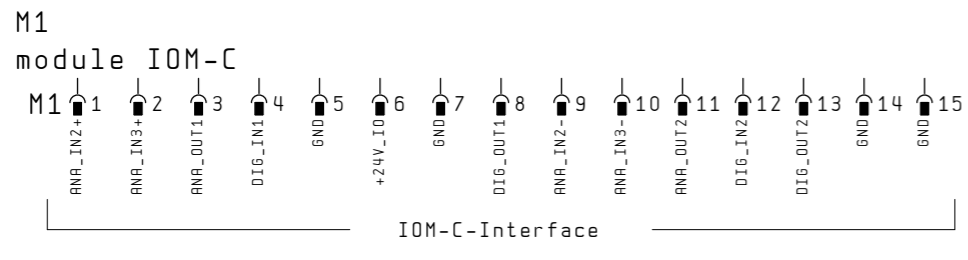
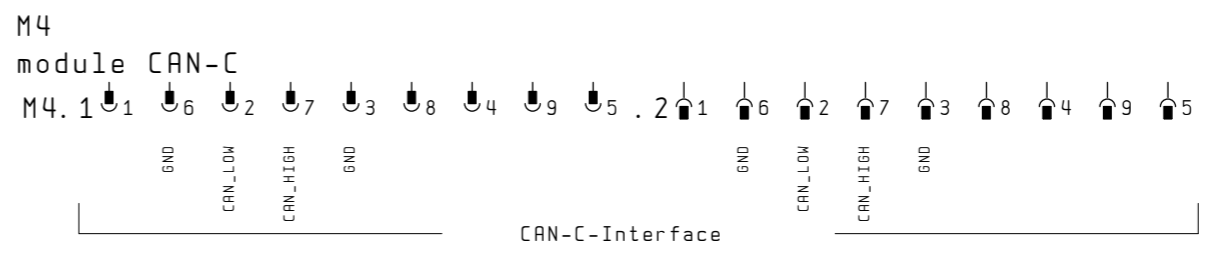
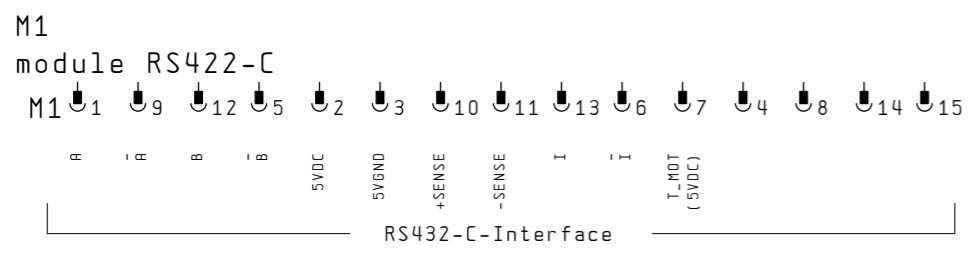
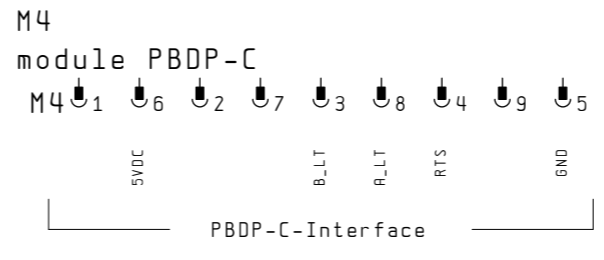
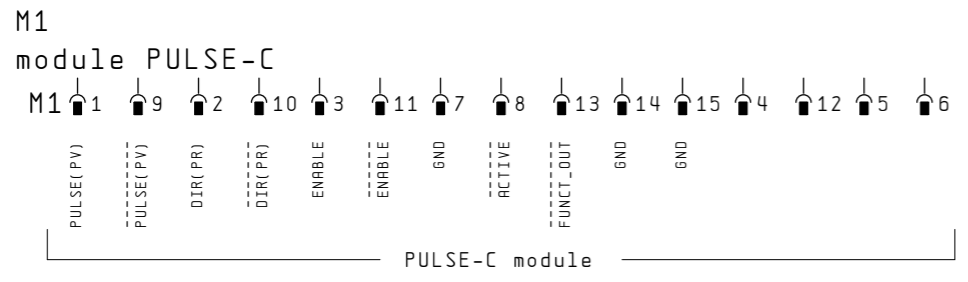
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			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0007 Page 1 of 4

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BERGER LAHR
 TLC611F XXXXX XX XXXXX XXXXX
 230V/2A 0,35kW/3A

TLC611F X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

			Date	29.01.07	BERGER LAHR	TLC611F Motion Controller with drive amplifier	Type/Part No: TLC611F XXXXX XX XXXXX XXXXX Macro: TLC611F X_2	=TLC +611F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0008 Page 2 of 4



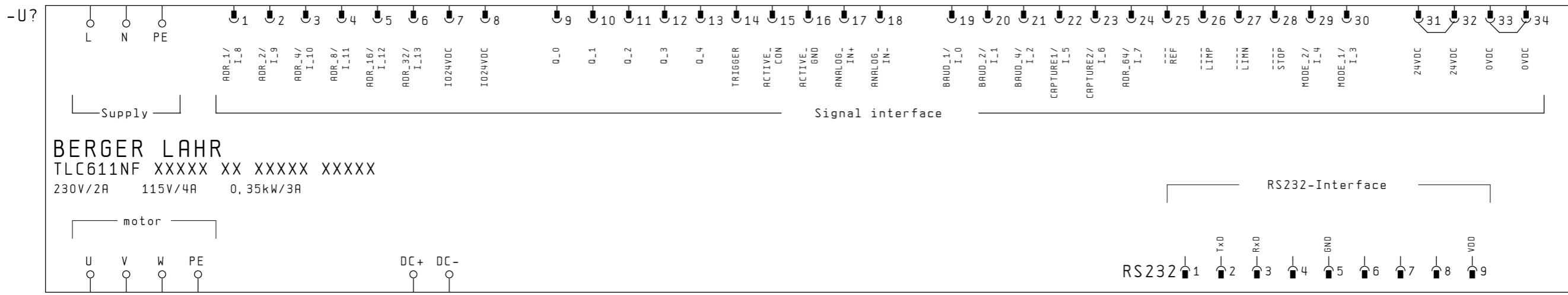
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		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6			Sheet 0009 Page 3 of 4

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			Date	29.01.07	BERGER LAHR	TLC611F Motion Controller with drive amplifier	Type/Part No: TLC611F XXXXX XX XXXXX XXXXX Macro: TLC611F X	=TLC +611F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0010 Page 4 of 4



BERGER LAHR
 TLC611NF XXXXX XX XXXXX XXXXX
 230V/2A 115V/4A 0,35kW/3A

TLC611NF X_1
 Mainmakro
 Motion Controller
 with drive amplifier

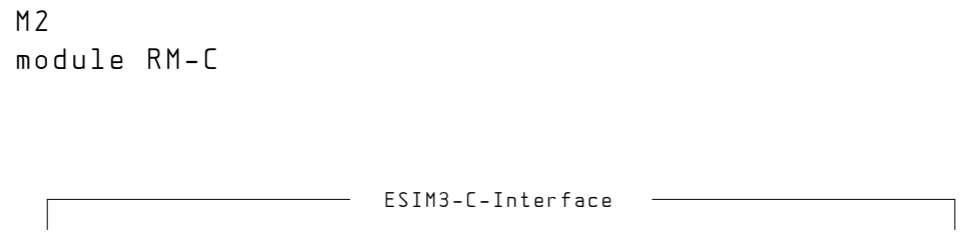
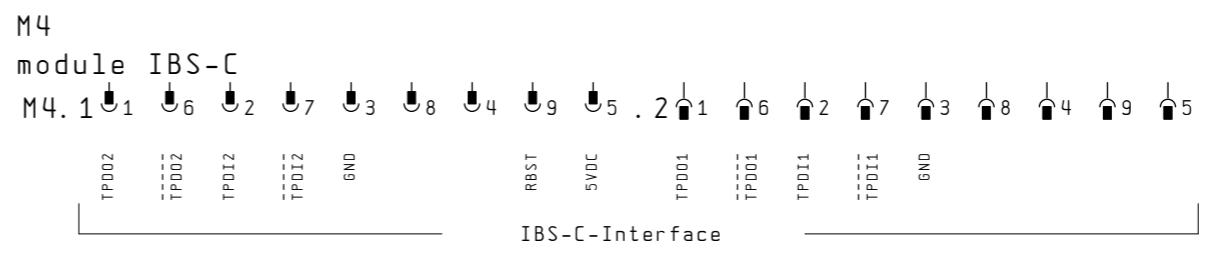
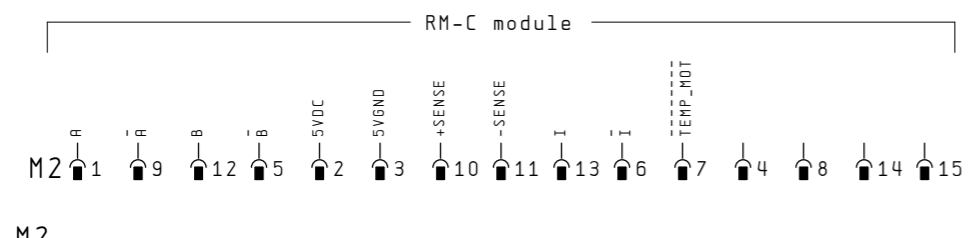
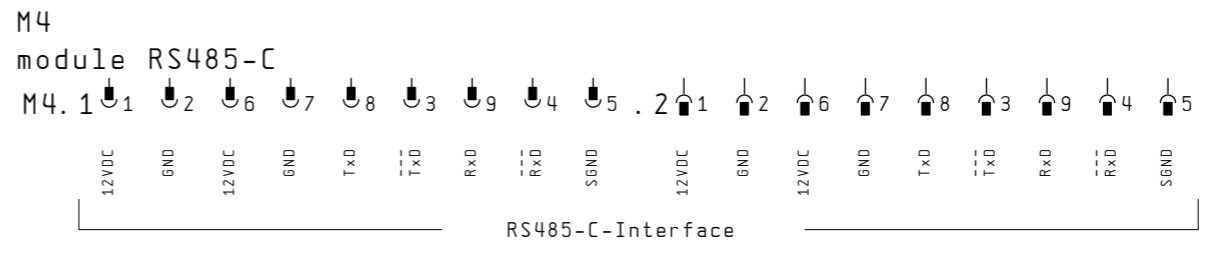
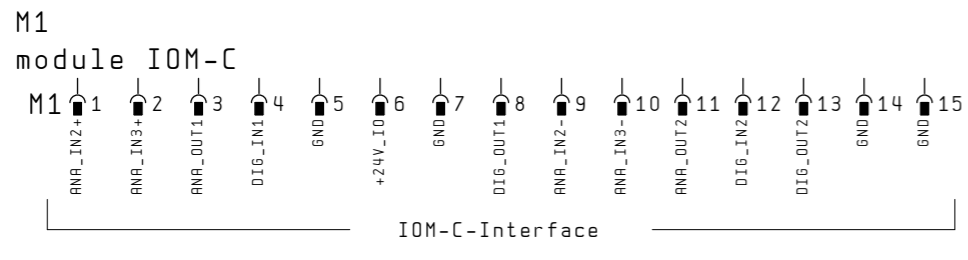
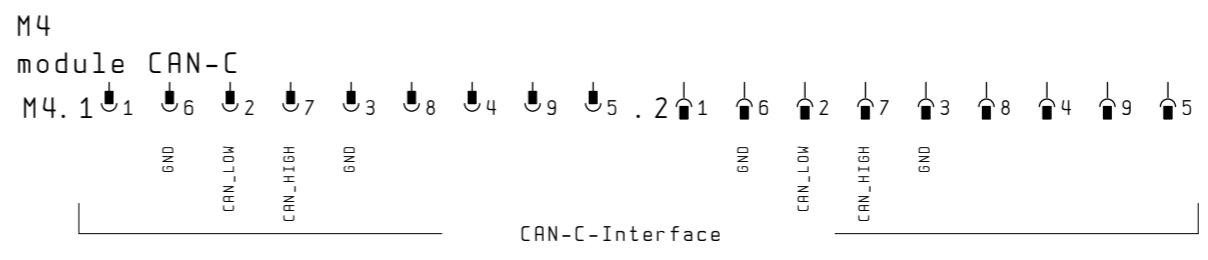
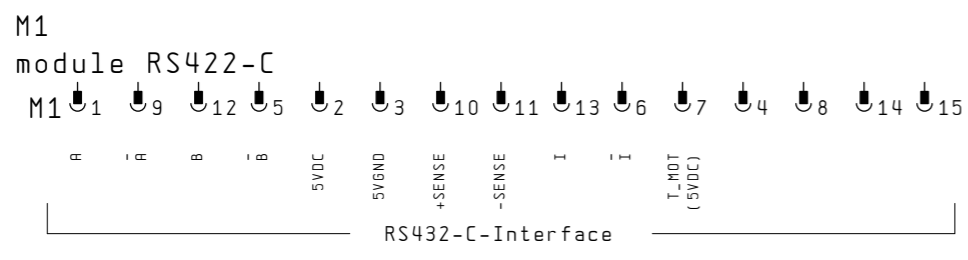
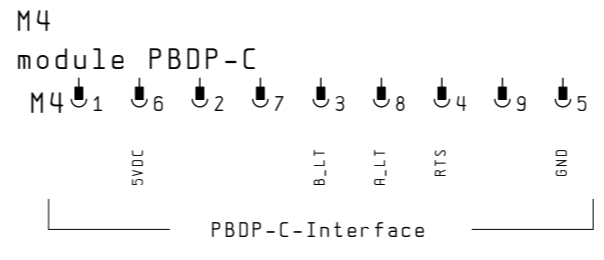
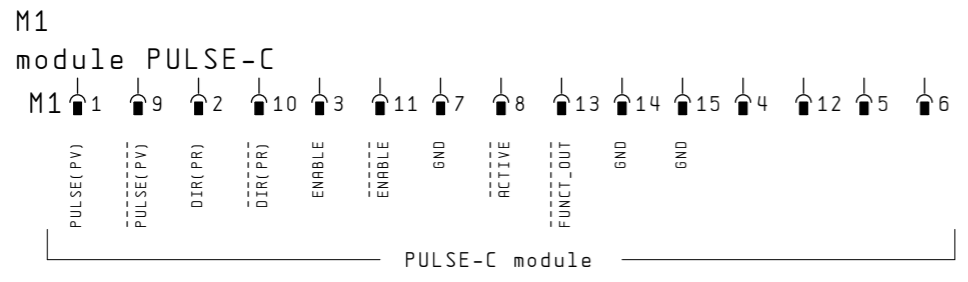
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		User.	CBA					
		Check.	20.03.07					
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0011 Page 1 of 4

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BERGER LAHR
 TLC611F XXXXX XX XXXXX XXXXX
 230V/2A 115V/4A 0,35kW/3A

TLC611NF X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

			Date	29.01.07	BERGER LAHR	TLC611NF Motion Controller with drive amplifier	Type/Part No: TLC611NF XXXXX XX XXXXX XXXXX Macro: TLC611NF X_2	=TLC +611NF
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Changes	Date	Name	Norm		MACROS TLC6			Sheet 0012 Page 2 of 4

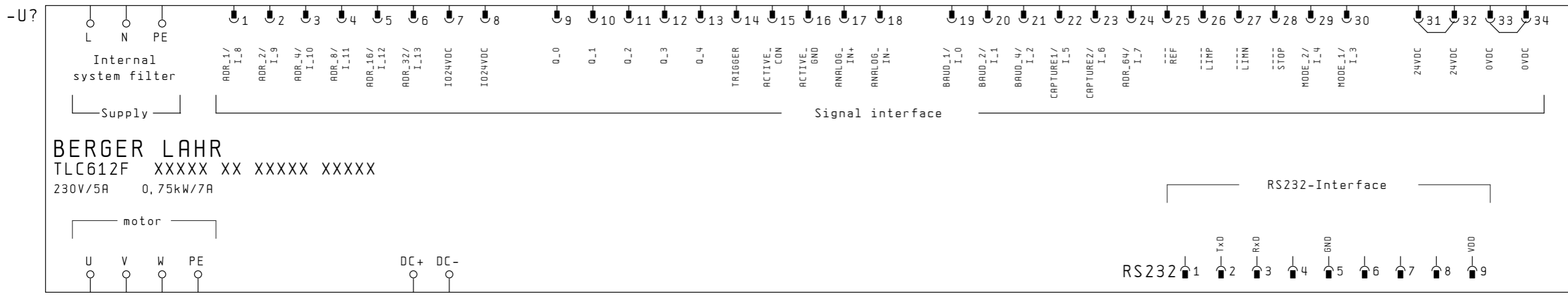


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			Date	29.01.07	BERGER LAHR	TLC611NF Motion Controller with drive amplifier	Type/Part No: TLC611NF XXXXX XX XXXXX XXXXX Macro: TLC611NF X	=TLC +611NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0014 Page 4 of 4



BERGER LAHR
 TLC612F XXXXX XX XXXXX XXXXX
 230V/5A 0,75kW/7A

TLC612F X_1
 Mainmakro
 Motion Controller
 with drive amplifier

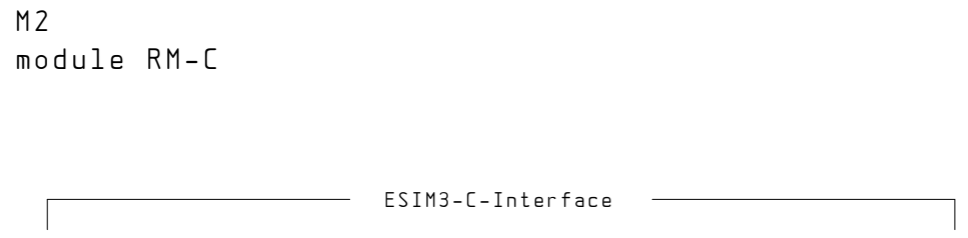
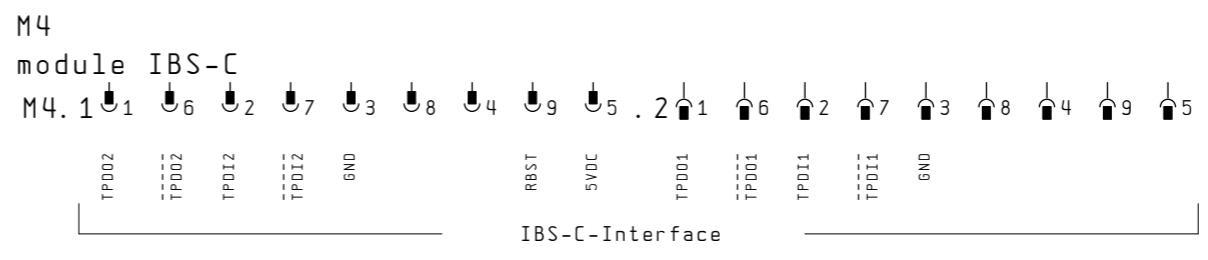
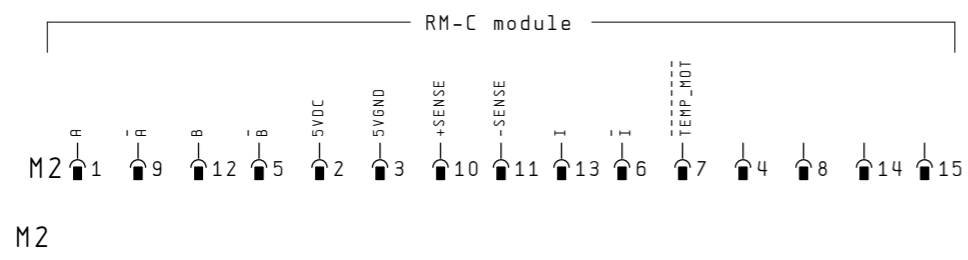
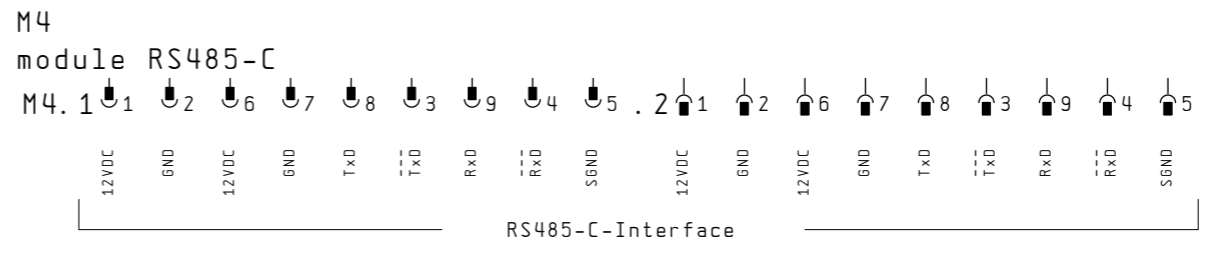
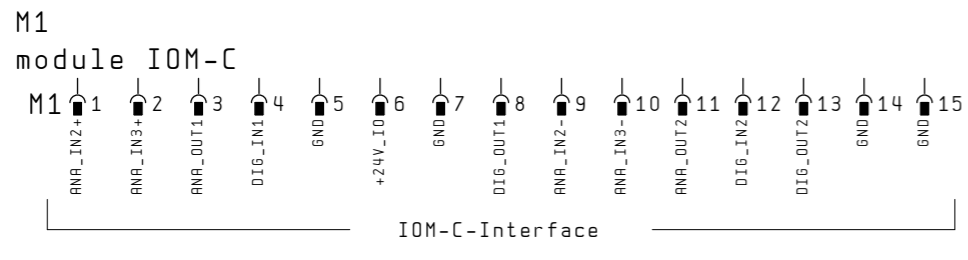
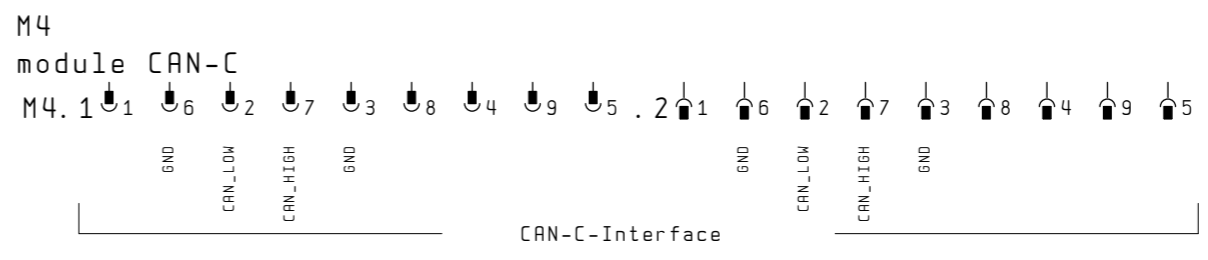
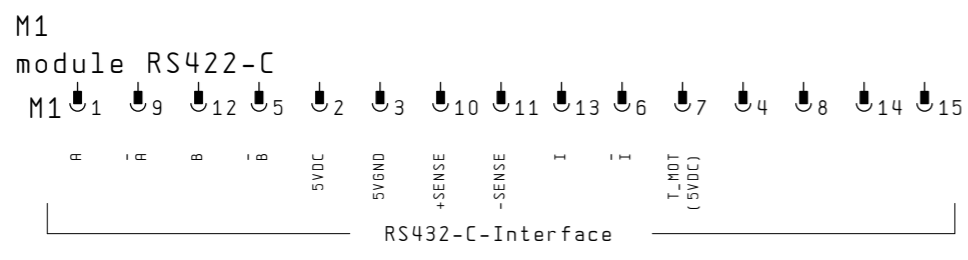
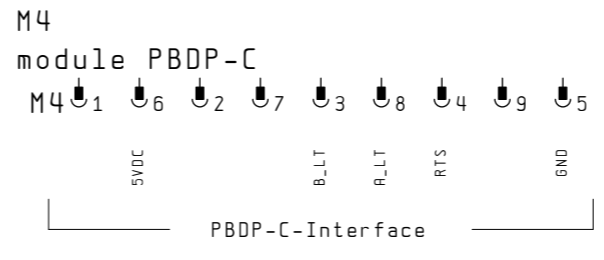
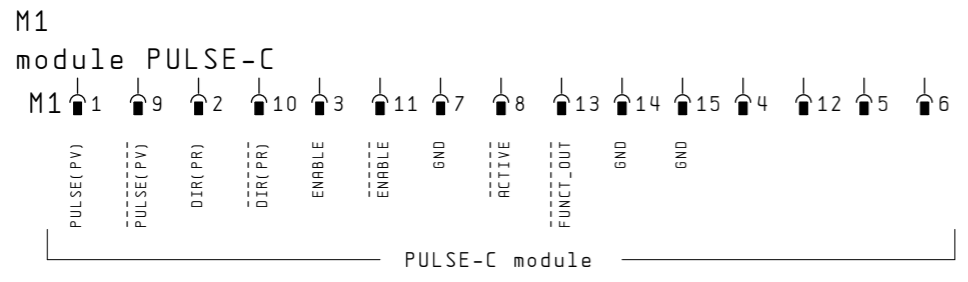
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			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0015 Page 1 of 4

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BERGER LAHR
 TLC612F XXXXX XX XXXXX XXXXX
 230V/5A 0,75kW/7A

TLC612F X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

			Date	29.01.07	BERGER LAHR	TLC612F Motion Controller with drive amplifier	Type/Part No: TLC612F XXXXX XX XXXXX XXXXX Macro: TLC612F X_2	=TLC +612F
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			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0016 Page 2 of 4



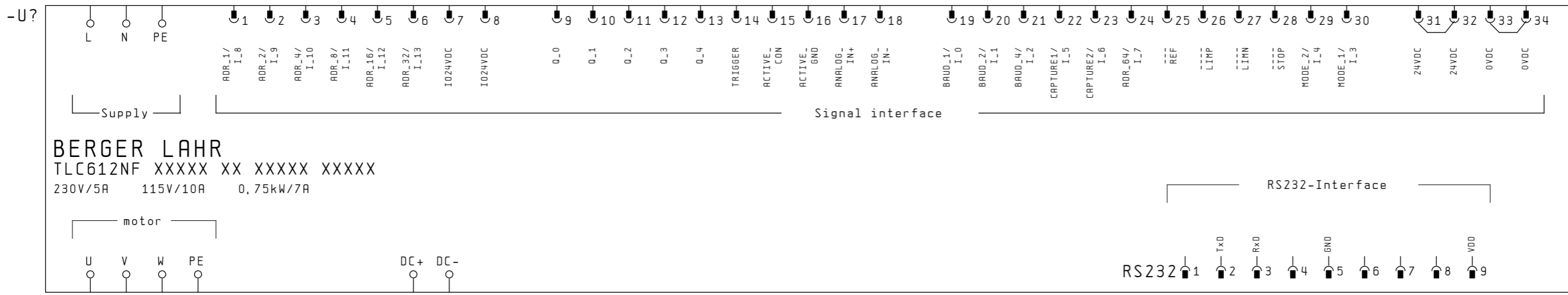
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		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6			Sheet 0017 Page 3 of 4

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			Date	29.01.07	BERGER LAHR	TLC612F Motion Controller with drive amplifier	Type/Part No: TLC612F XXXXX XX XXXXX XXXXX Macro: TLC612F X	=TLC +612F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0018 Page 4 of 4



BERGER LAHR
 TLC612NF XXXXX XX XXXXX XXXXX
 230V/5A 115V/10A 0,75kW/7A

TLC612NF X_1
 Mainmakro
 Motion Controller
 with drive amplifier

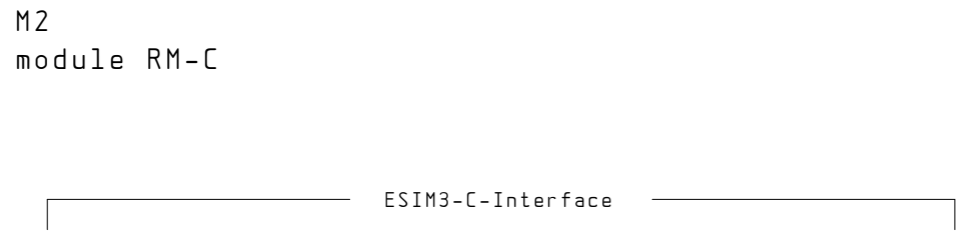
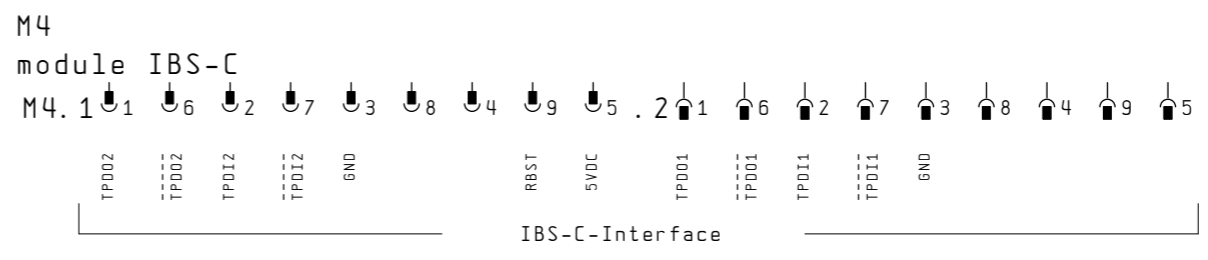
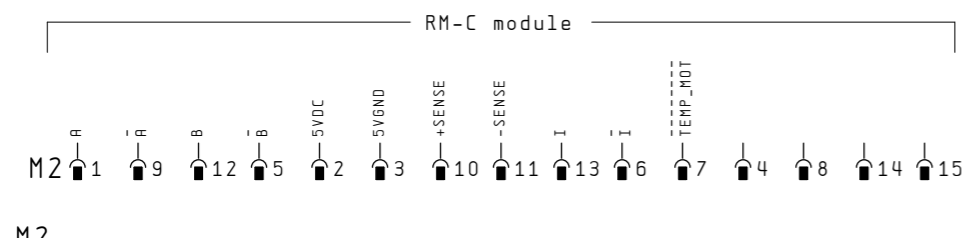
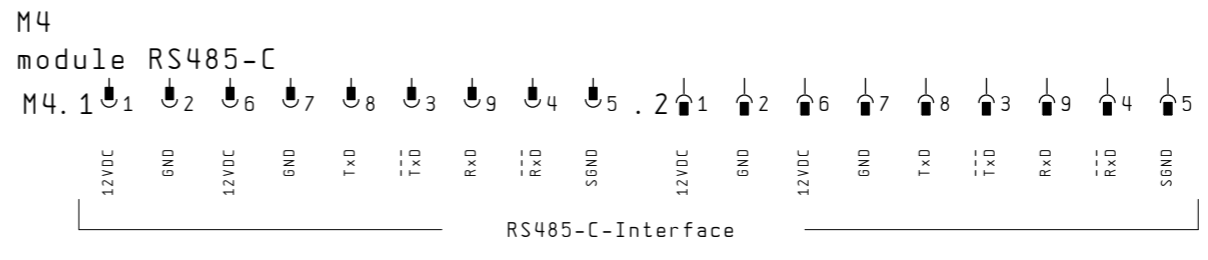
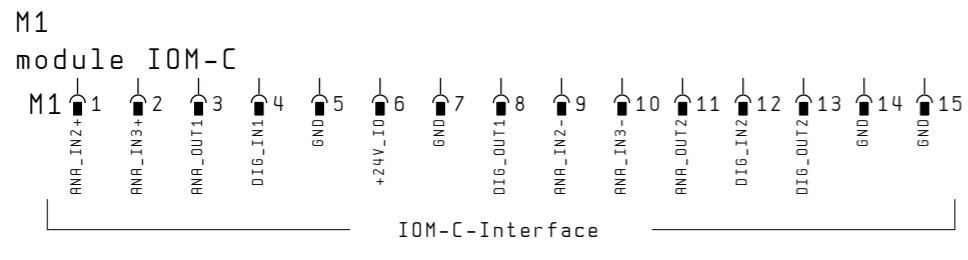
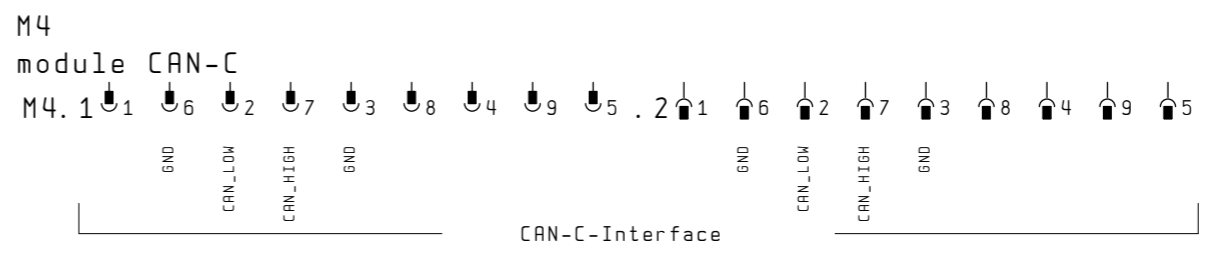
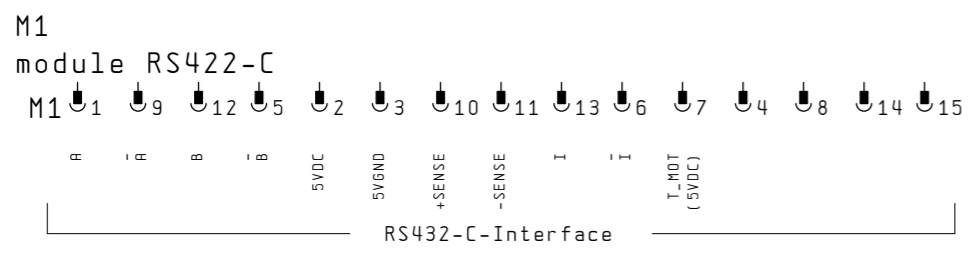
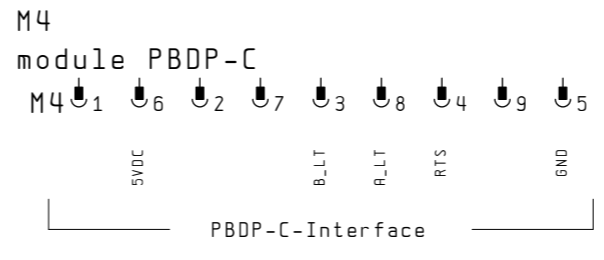
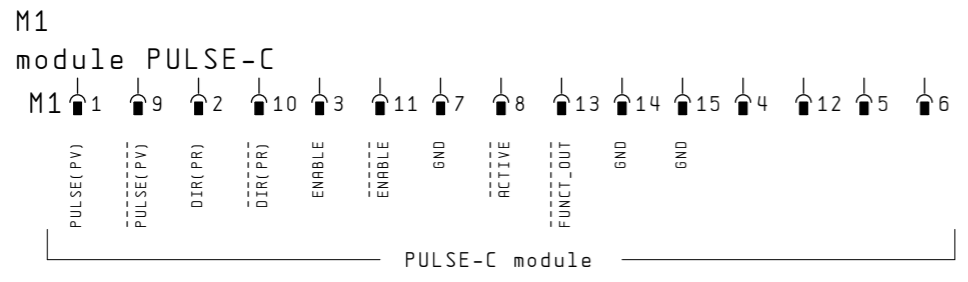
			Date	29.01.07	BERGER LAHR	TLC612NF Motion Controller with drive amplifier	Type/Part No: TLC612NF XXXXX XX XXXXX XXXXX Macro: TLC612NF X_1	=TLC +612NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0019 Page 1 of 4

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BERGER LAHR
 TLC612F XXXXX XX XXXXX XXXXX
 230V/5A 115V/10A 0,75kW/7A

TLC612NF X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

			Date	29.01.07	BERGER LAHR	TLC612NF Motion Controller with drive amplifier	Type/Part No: TLC612NF XXXXX XX XXXXX XXXXX Macro: TLC612NF X_2	=TLC +612NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0020 Page 2 of 4

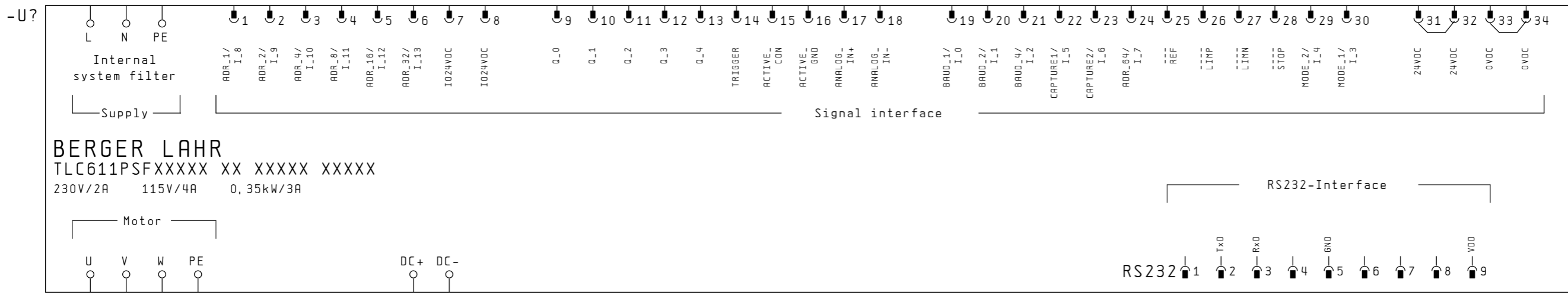


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			Date	29.01.07	BERGER LAHR	TLC612NF Motion Controller with drive amplifier	Type/Part No: TLC612NF XXXXX XX XXXXX XXXXX Macro: TLC612NF X	=TLC +612NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0022 Page 4 of 4



TLC611PSF X_1
 Mainmakro
 Motion Controller
 with drive amplifier

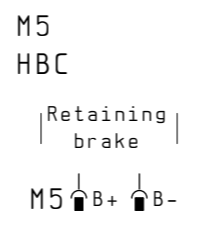
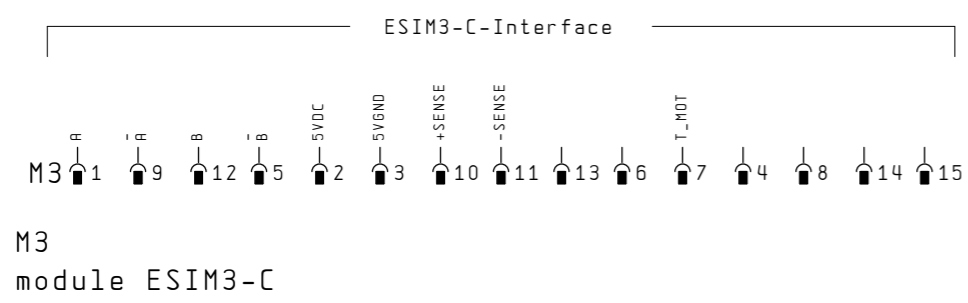
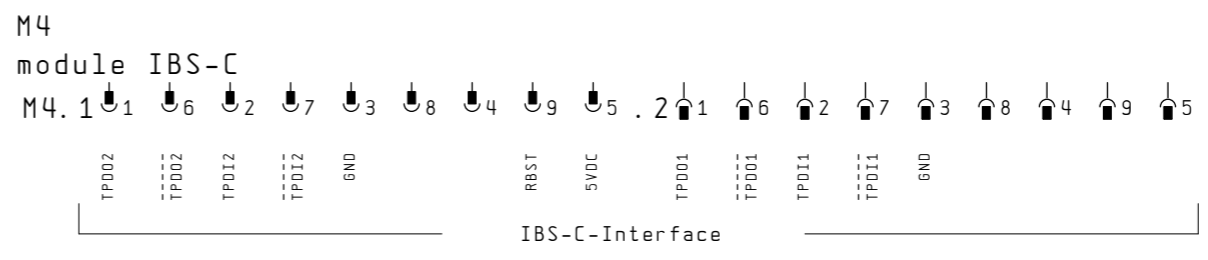
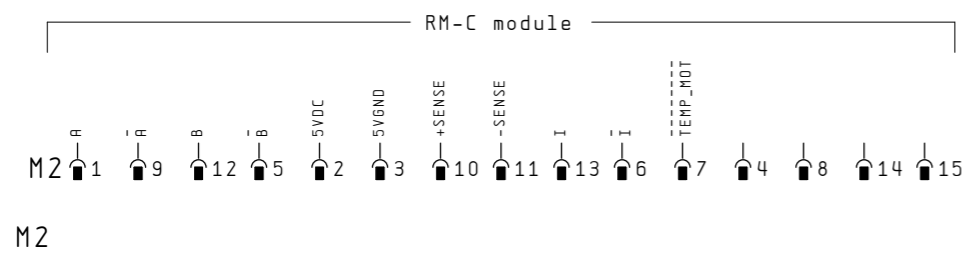
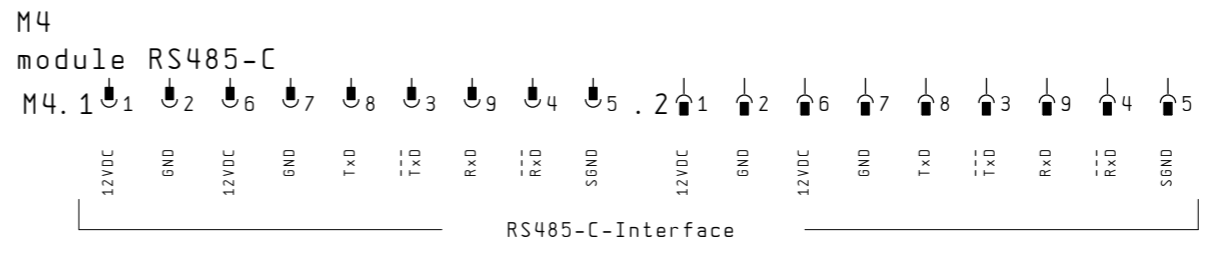
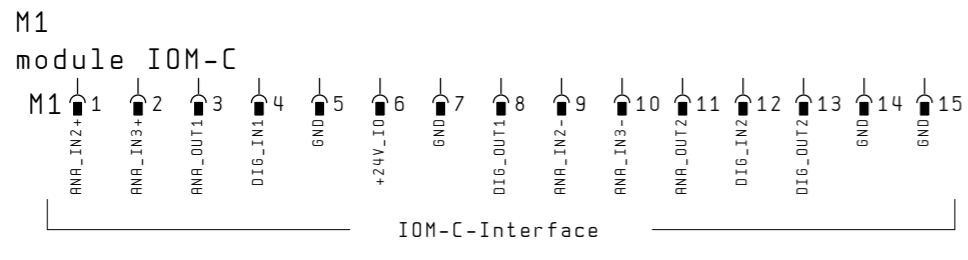
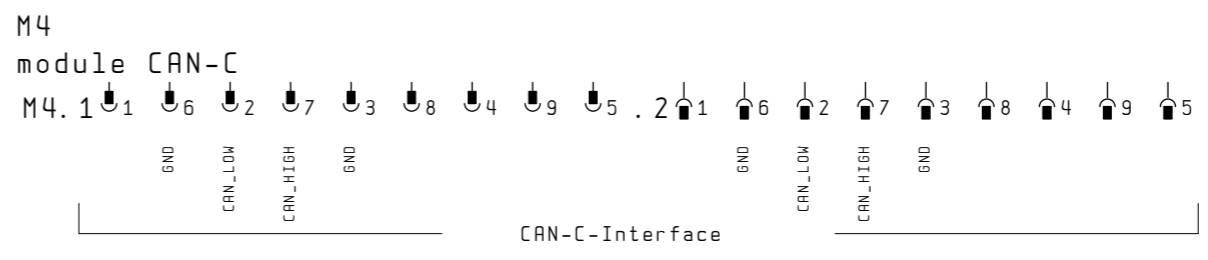
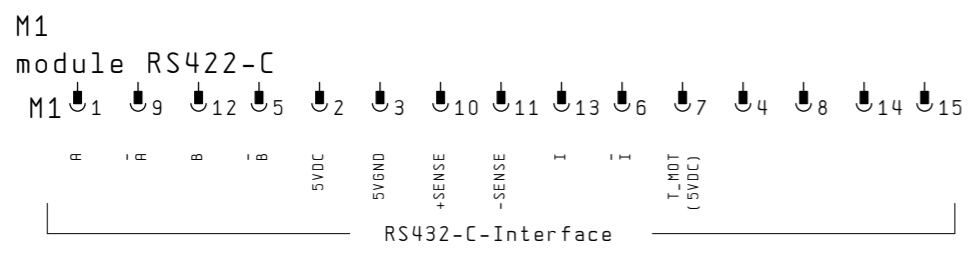
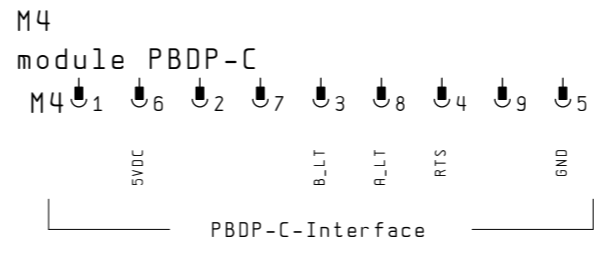
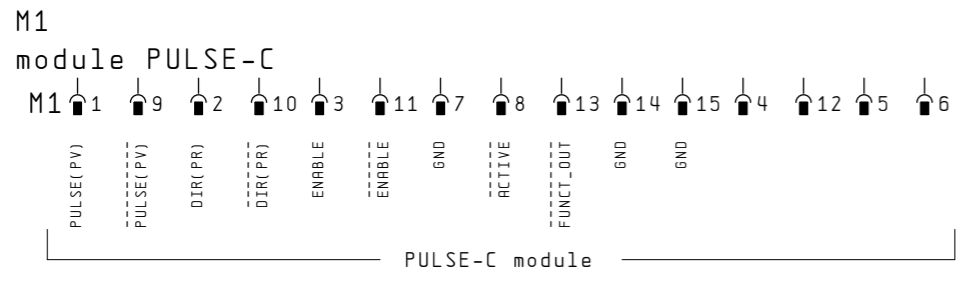
			Date	29.01.07	BERGER LAHR	TLC611PSF Motion Controller with drive amplifier	Type/Part No: TLC611PSFXXXXX XX XXXXX XXXXX Macro: TLC611PSFX_1	=TLC +611PSF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0023 Page 1 of 4

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BERGER LAHR
 TLC611PSFXXXXX XX XXXXX XXXXX
 230V/2A 115V/4A 0,35kW/3A

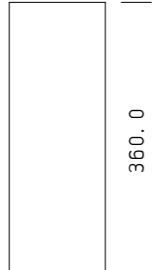
TLC611PSF X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

			Date	29.01.07	BERGER LAHR	TLC611PSF Motion Controller with drive amplifier	Type/Part No: TLC611PSFXXXXX XX XXXXX XXXXX Macro: TLC611PSFX_2	=TLC +611PSF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0024 Page 2 of 4

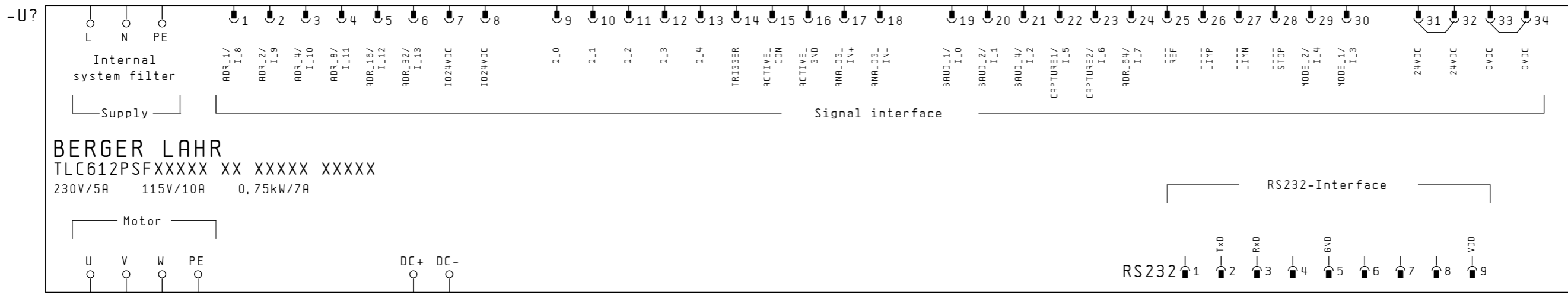


		Date	29.01.07	BERGER LAHR	Options/Accessories TLC61	Type/Part No: OPTIONS/TLC61 Macro:	=TLC +611PSF
		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6			Sheet 0025 Page 3 of 4

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			Date	29.01.07	BERGER LAHR	TLC611PSF Motion Controller with drive ampilfier	Type/Part No: TLC611PSFXXXXX XX XXXXX XXXXX Macro: TLC611PSFX	=TLC +611PSF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0026 Page 4 of 4



BERGER LAHR
 TLC612PSFXXXXX XX XXXXX XXXXX
 230V/5A 115V/10A 0,75kW/7A

TLC612PSF X_1
 Mainmakro
 Motion Controller
 with drive amplifier

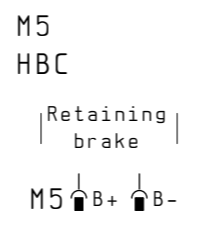
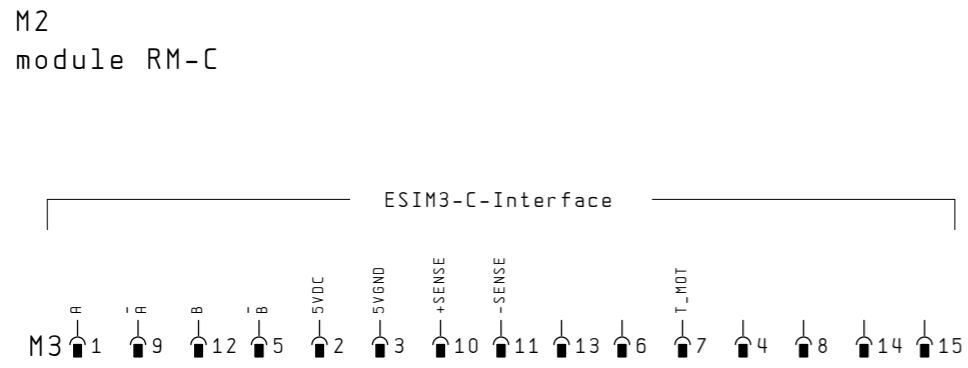
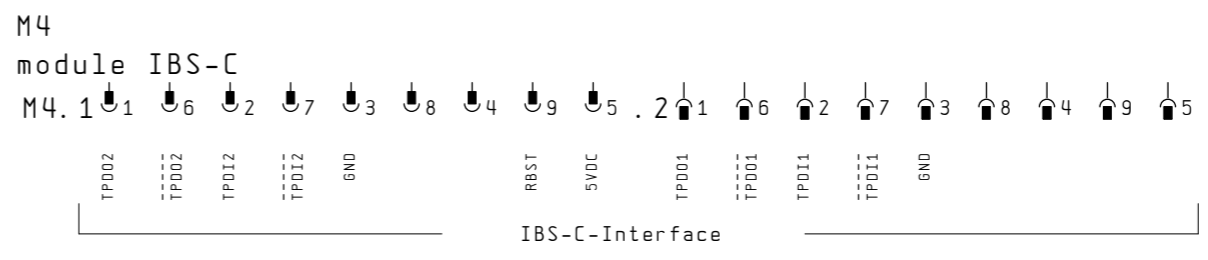
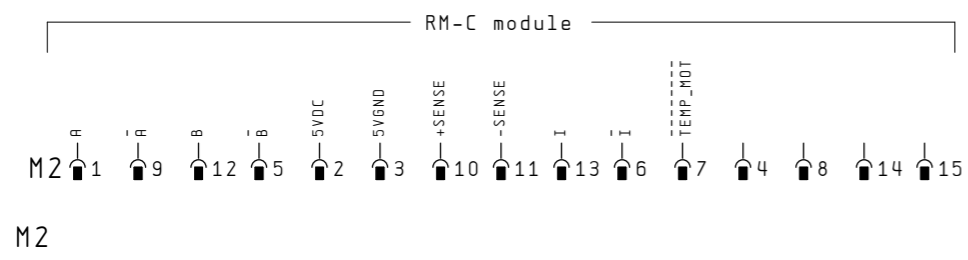
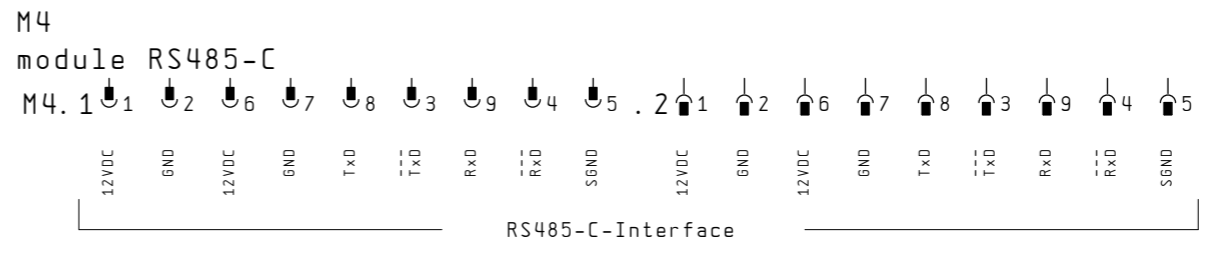
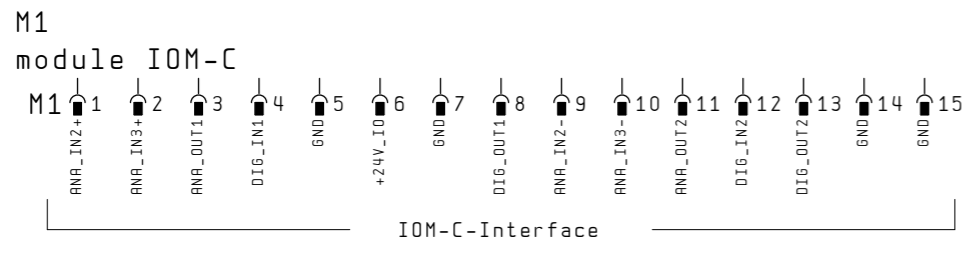
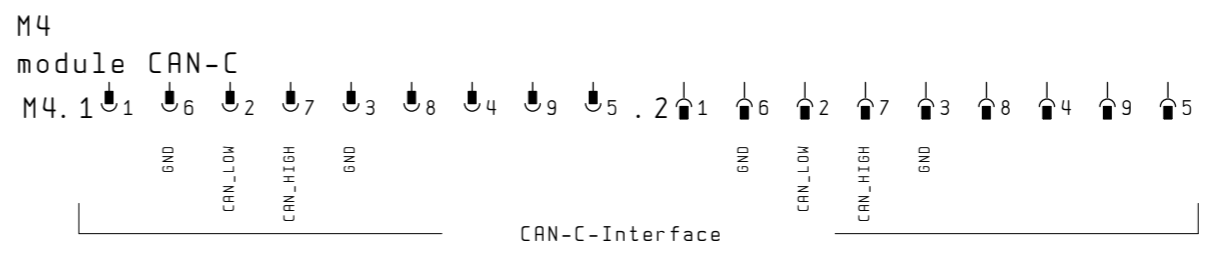
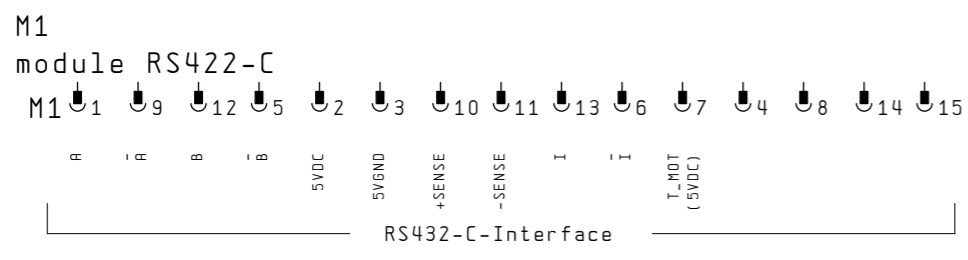
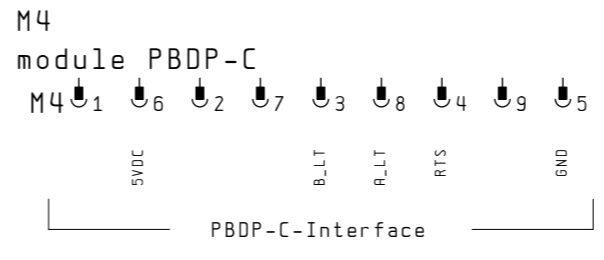
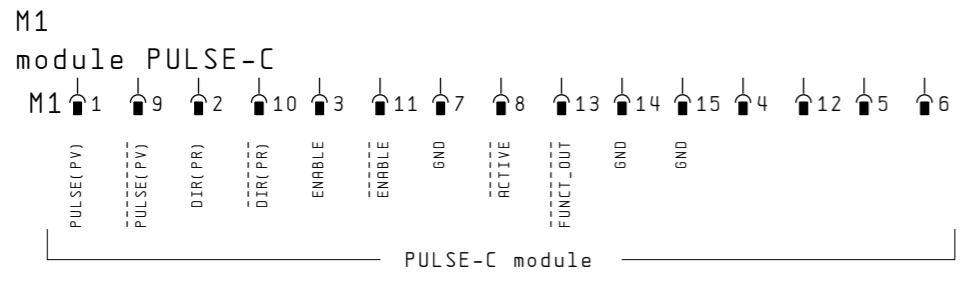
			Date	29.01.07	BERGER LAHR	TLC612PSF Motion Controller with drive amplifier	Type/Part No: TLC612PSFXXXXX XX XXXXX XXXXX Macro: TLC612PSFX_1	=TLC +612PSF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0027 Page 1 of 4

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BERGER LAHR
 TLC612PSFXXXXX XX XXXXX XXXXX
 230V/5A 115V/10A 0,75kW/7A

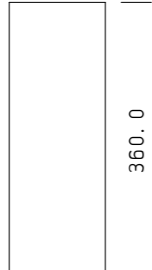
TLC612PSF X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

			Date	29.01.07	BERGER LAHR	TLC612PSF Motion Controller with drive amplifier	Type/Part No: TLC612PSFXXXXX XX XXXXX XXXXX Macro: TLC612PSFX_2	=TLC +612PSF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0028 Page 2 of 4

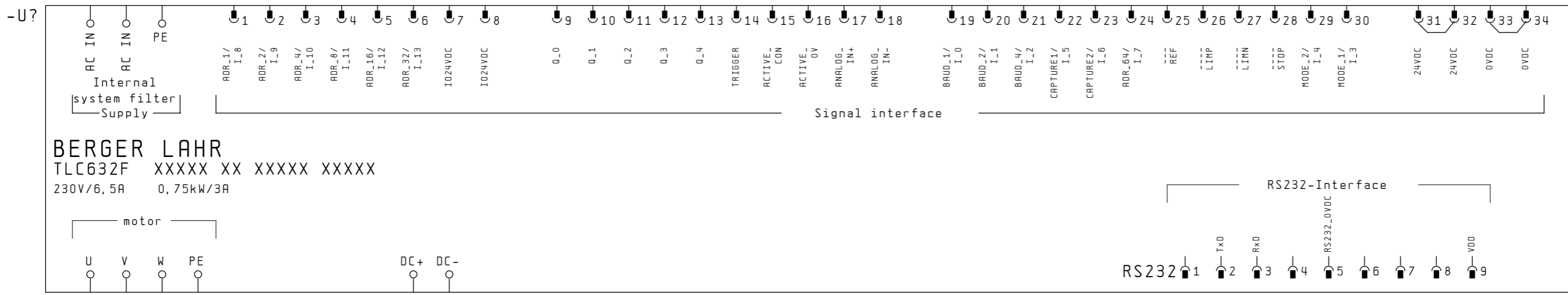


			Date	29.01.07	BERGER LAHR	Options/Accessories TLC61	Type/Part No: OPTIONS/TLC61 Macro:	=TLC +612PSF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0029 Page 3 of 4

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			Date	29.01.07	BERGER LAHR	TLC612PSF Motion Controller with drive amplifier	Type/Part No: TLC612PSFXXXXX XX XXXXX XXXXX Macro: TLC612PSFX	=TLC +612PSF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0030 Page 4 of 4



BERGER LAHR
 TLC632F XXXXX XX XXXXX XXXXX
 230V/6,5A 0,75kW/3A

TLC632F X_1
 Mainmakro
 Motion Controller
 with drive amplifier

			Date	29.01.07	BERGER LAHR	TLC632F Motion Controller with drive amplifier	Type/Part No: TLC632F XXXXX XX XXXXX XXXXX Macro: TLC632F X_1	=TLC +632F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0031 Page 1 of 5

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BERGER LAHR
 TLC632F XXXXX XX XXXXX XXXXX
 230V/6, 5A 0, 75kW/3A

TLC632F X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

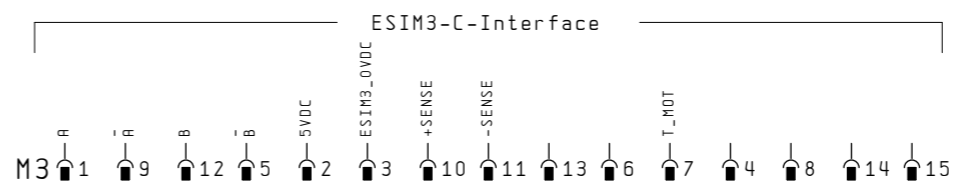
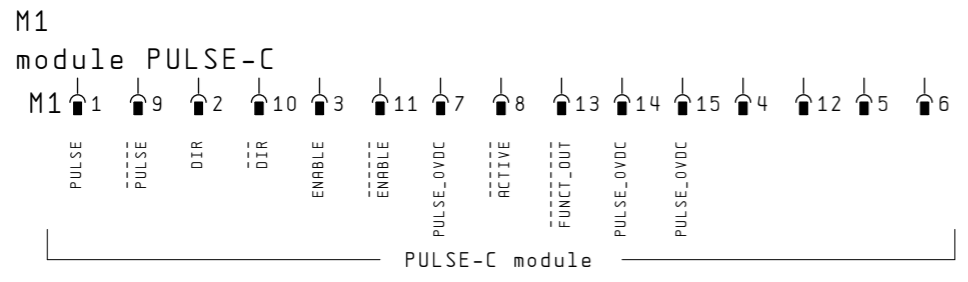
Date	29. 01. 07
User.	CBA
Check.	20. 03. 07

BERGER LAHR

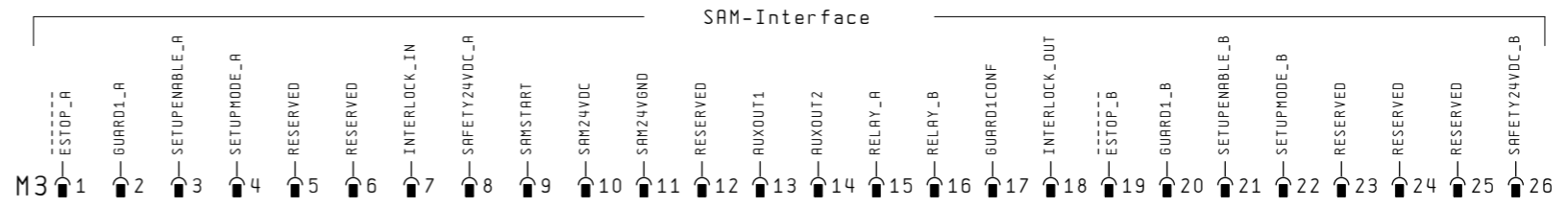
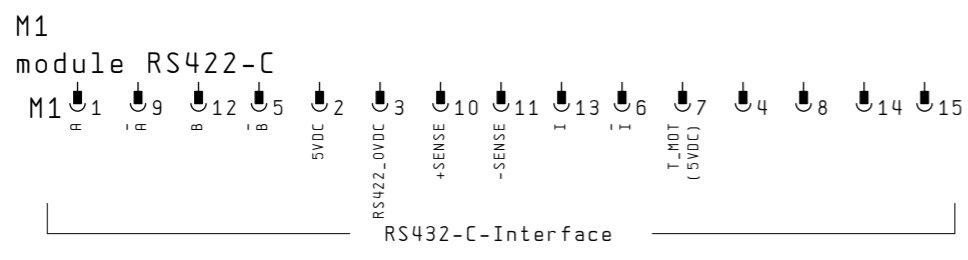
TLC632F Motion Controller
 with drive amplifier

Type/Part No: TLC632F XXXXX XX XXXXX XXXXX
 Macro: TLC632F X_2

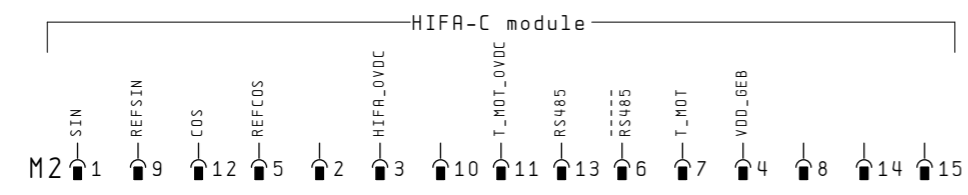
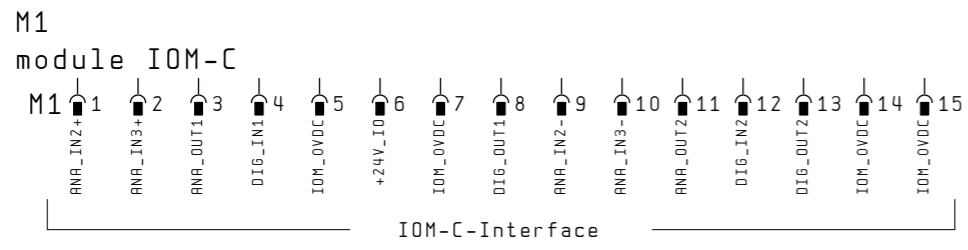
=TLC
 +632F



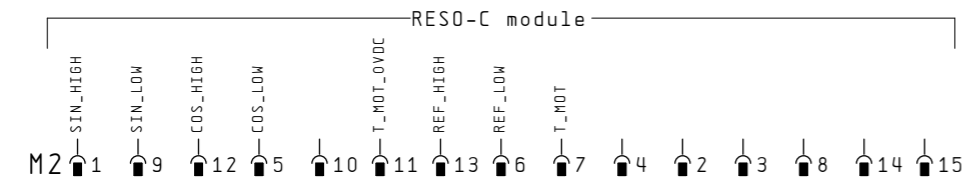
M3
module ESIM3-C



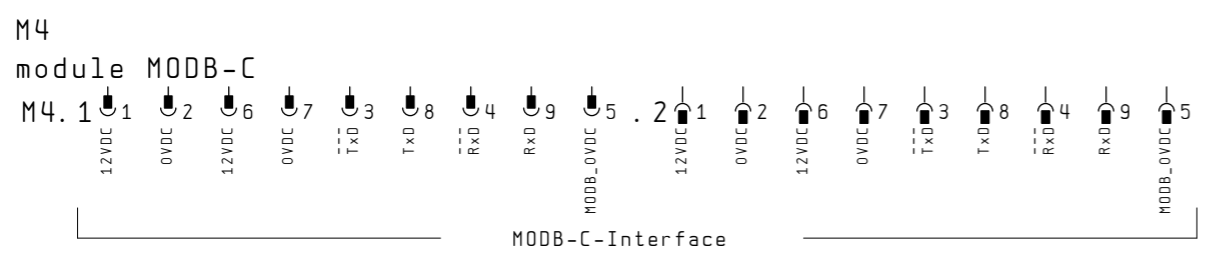
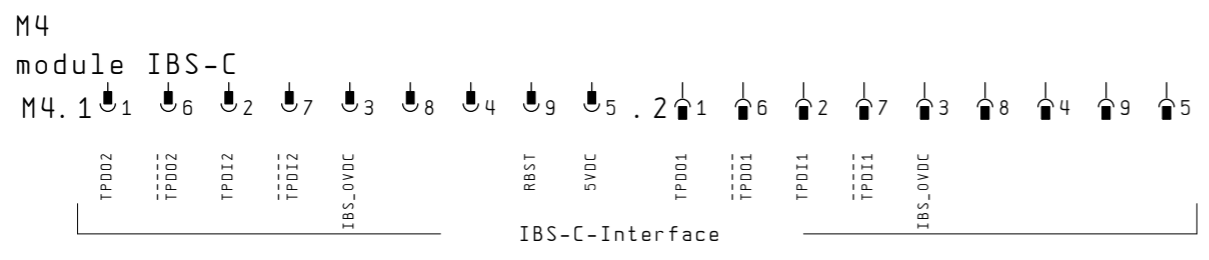
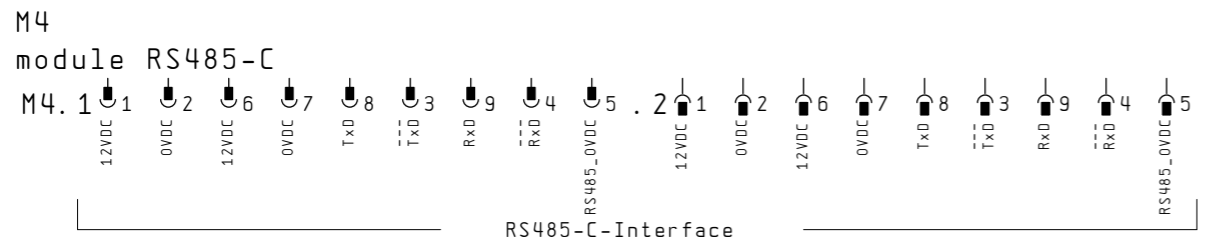
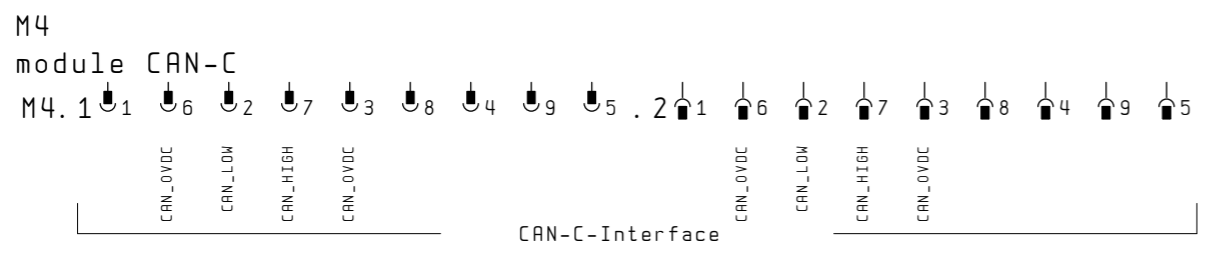
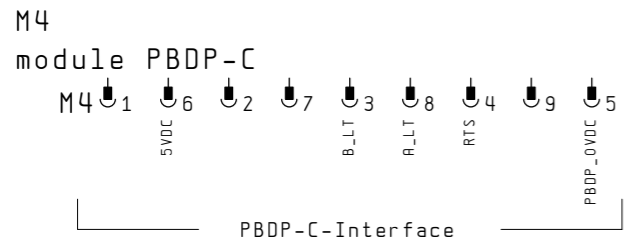
M3
module SAM



M2
module HIFA-C



M2
module RESO-C



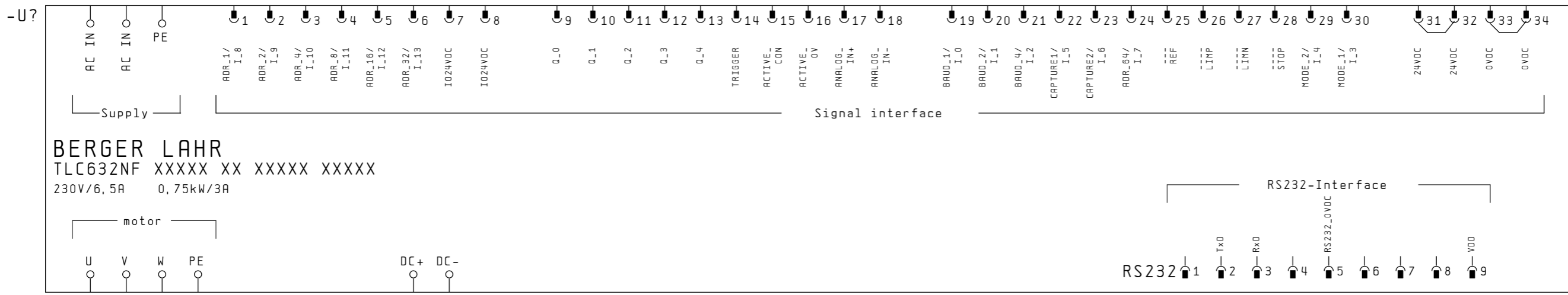
		Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +632F
		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6		Sheet 0034	Page 4 of 5

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| 212.5 |

			Date	29.01.07	BERGER LAHR	TLC632F Motion Controller with drive amplifier	Type/Part No: TLC632F XXXXX XX XXXXX XXXXX Macro: TLC632F X	=TLC +632F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0035 Page 5 of 5



BERGER LAHR
 TLC632NF XXXXX XX XXXXX XXXXX
 230V/6,5A 0,75kW/3A

TLC632NF X_1
 Mainmakro
 Motion Controller
 with drive amplifier

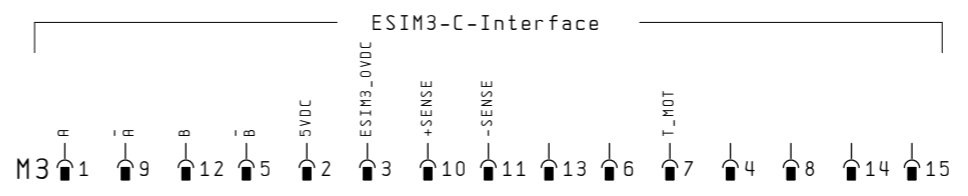
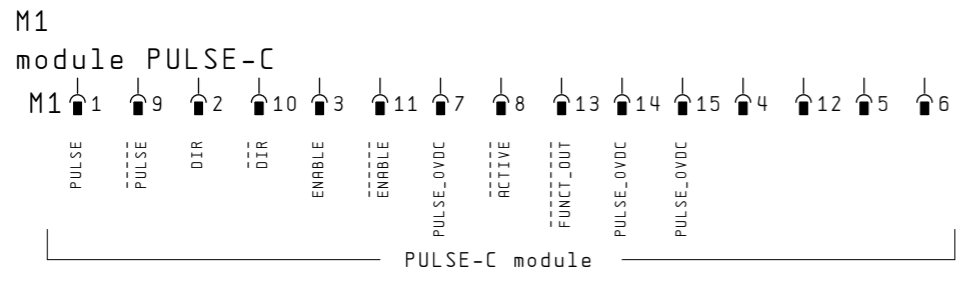
			Date	29.01.07	BERGER LAHR	TLC632NF Motion Controller with drive amplifier	Type/Part No: TLC632NF XXXXX XX XXXXX XXXXX Macro: TLC632NF X_1	=TLC +632NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0036 Page 1 of 5

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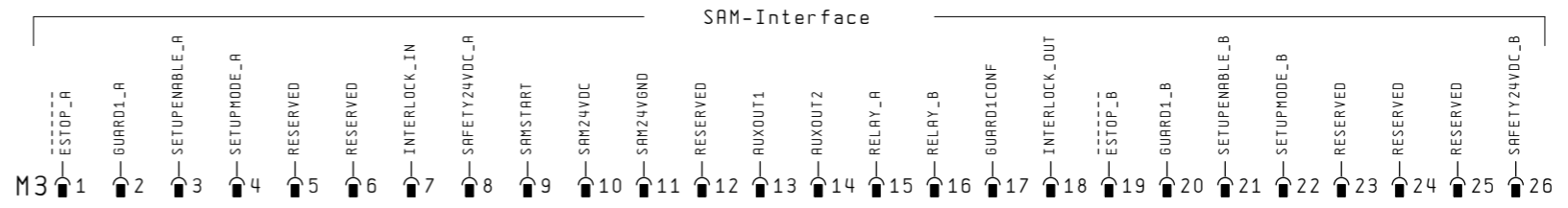
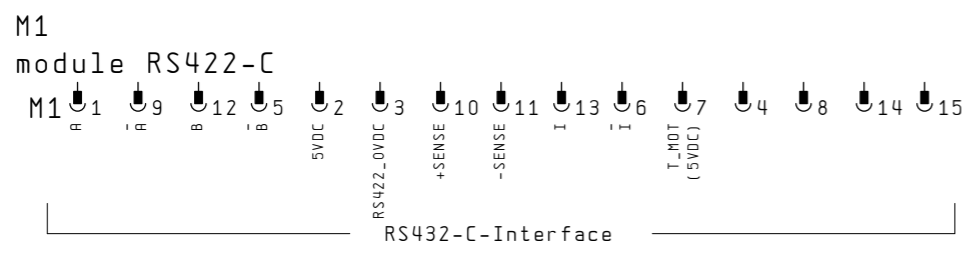
BERGER LAHR
 TLC632NF XXXXX XX XXXXX XXXXX
 230V/6,5A 0,75kW/3A

TLC632NF X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

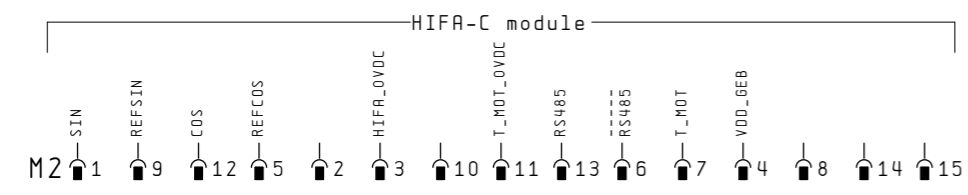
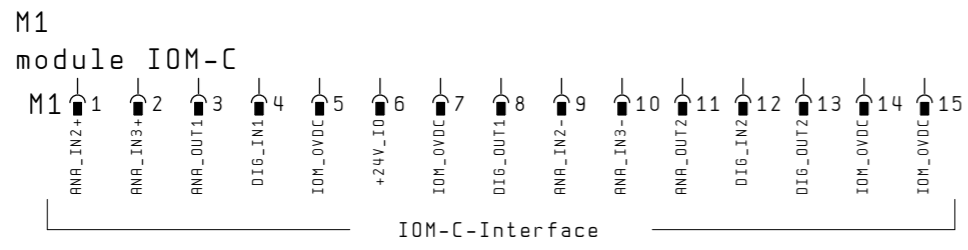
			Date	29.01.07	BERGER LAHR	TLC632NF Motion Controller with drive amplifier	Type/Part No: TLC632NF XXXXX XX XXXXX XXXXX Macro: TLC632NF X_2	=TLC +632NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0037 Page 2 of 5



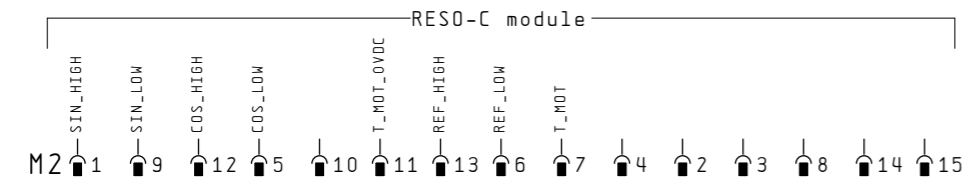
M3
module ESIM3-C



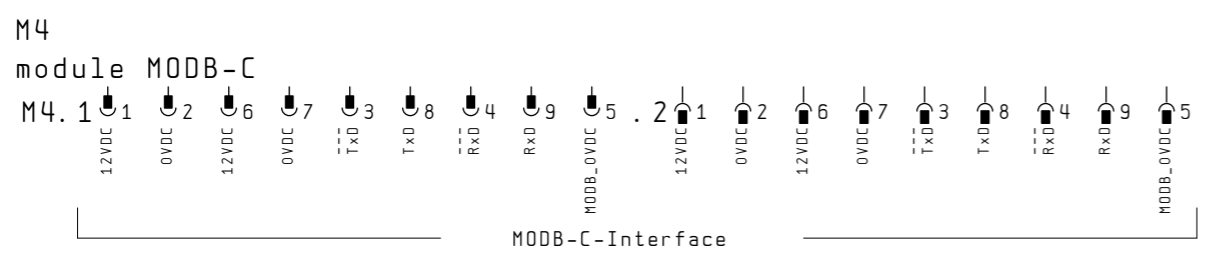
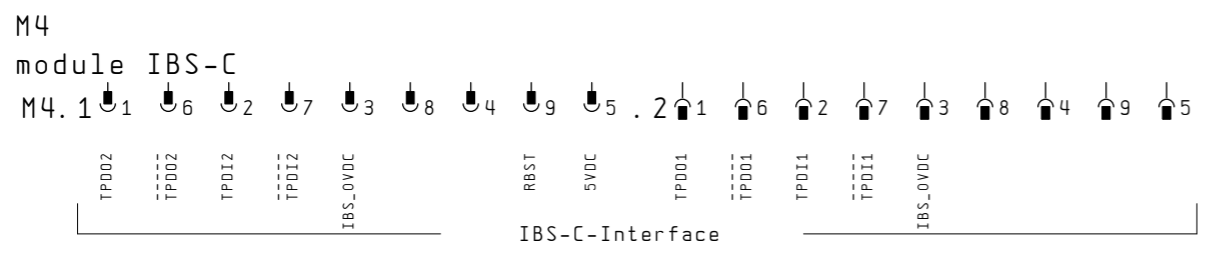
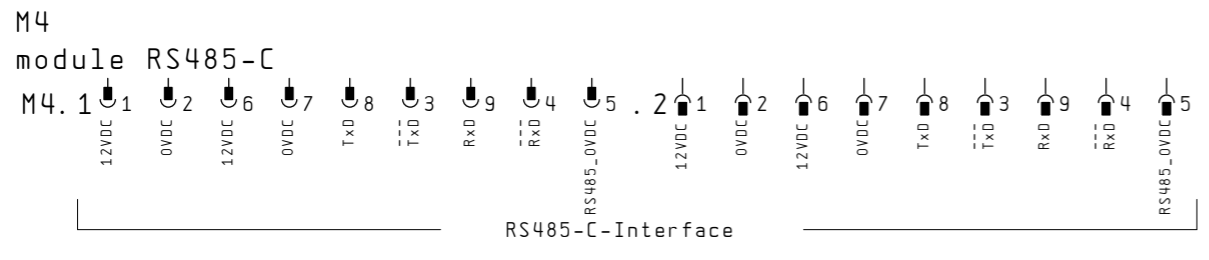
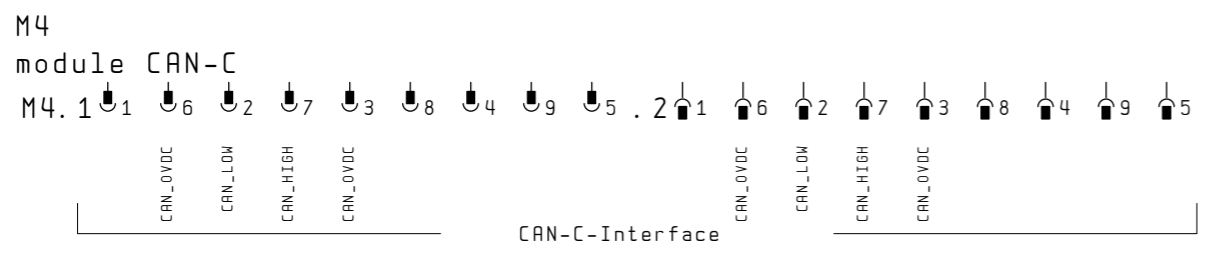
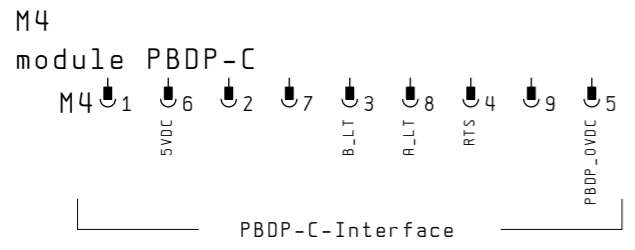
M3
module SAM



M2
module HIFA-C



M2
module RESO-C



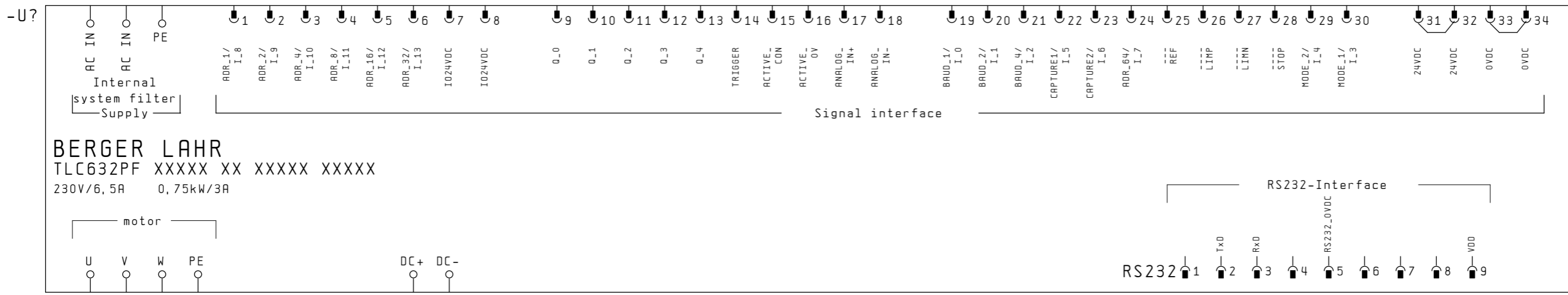
		Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +632NF
		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6		Sheet 0039	Page 4 of 5

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| 212.5 |

			Date	29.01.07	BERGER LAHR	TLC632NF Motion Controller with drive amplifier	Type/Part No: TLC632NF XXXXX XX XXXXX XXXXX Macro: TLC632NF X	=TLC +632NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0040 Page 5 of 5



BERGER LAHR
 TLC632PF XXXXX XX XXXXX XXXXX
 230V/6,5A 0,75kW/3A

TLC632PF X_1
 Mainmakro
 Motion Controller
 with drive amplifier

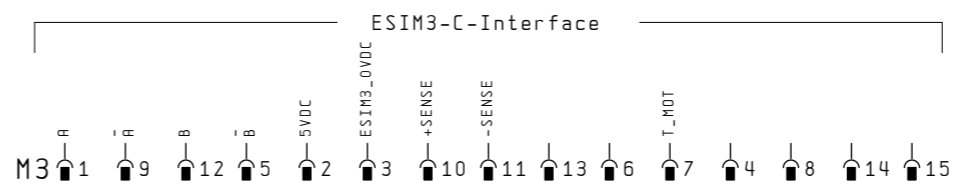
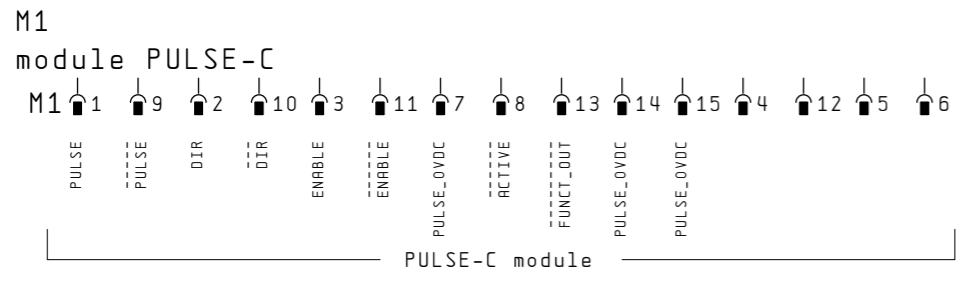
			Date	29.01.07	BERGER LAHR	TLC632PF Motion Controller with drive amplifier	Type/Part No: TLC632PF XXXXX XX XXXXX XXXXX Macro: TLC632PF X_1	=TLC +632PF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0041 Page 1 of 5

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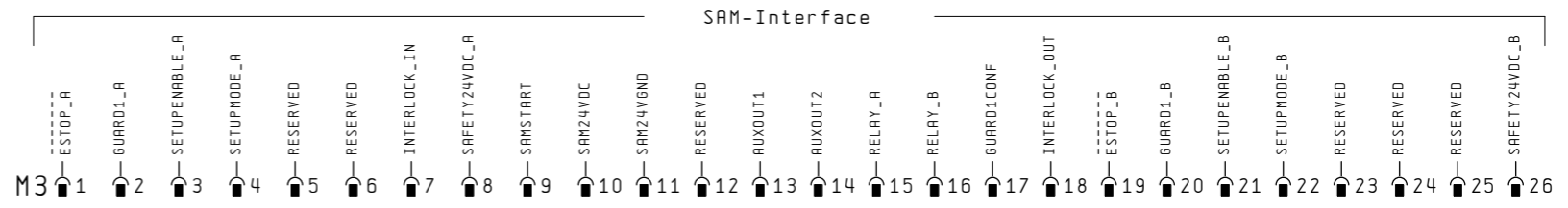
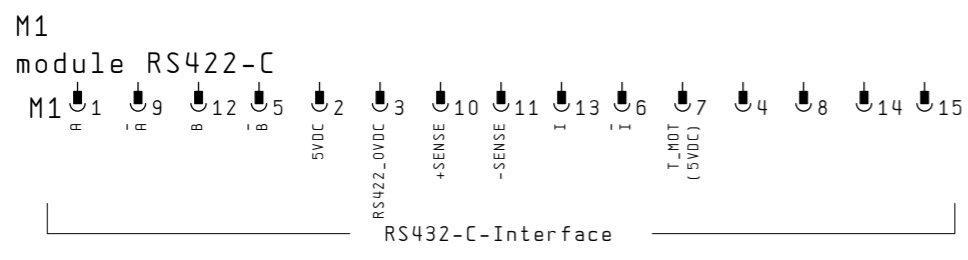
BERGER LAHR
 TLC632PF XXXXX XX XXXXX XXXXX
 230V/6, 5A 0, 75kW/3A

TLC632PF X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

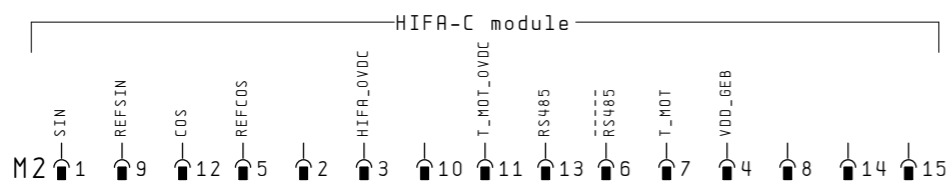
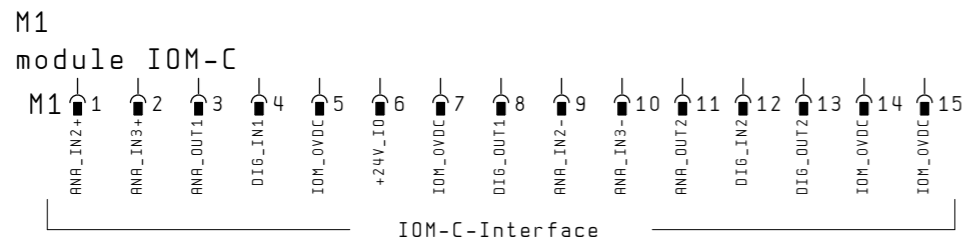
			Date	29. 01. 07	BERGER LAHR	TLC632PF Motion Controller with drive amplifier	Type/Part No: TLC632PF XXXXX XX XXXXX XXXXX Macro: TLC632PF X_2	=TLC +632PF
			User.	CBA				
			Check.	20. 03. 07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0042 Page 2 of 5



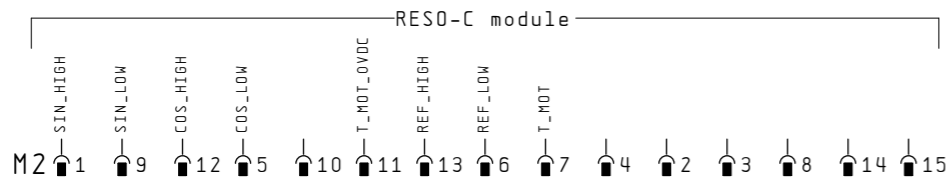
M3
module ESIM3-C



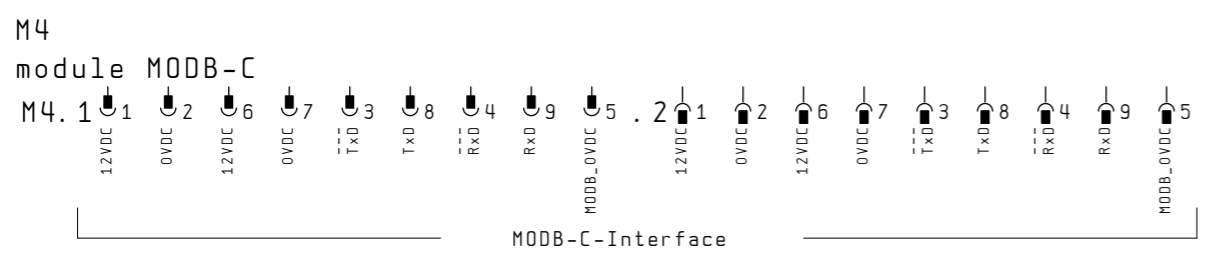
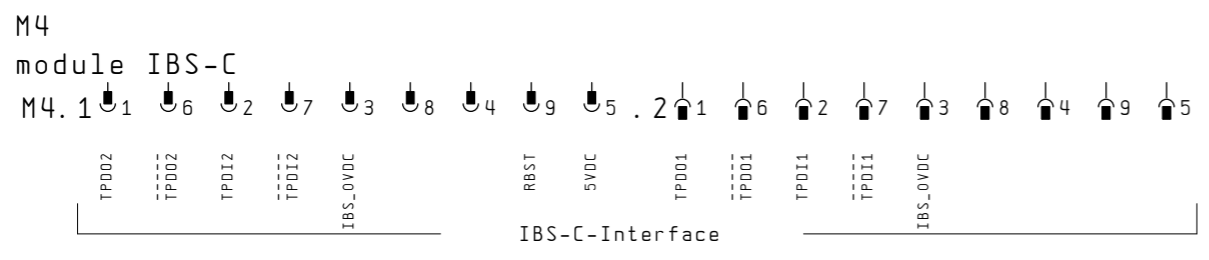
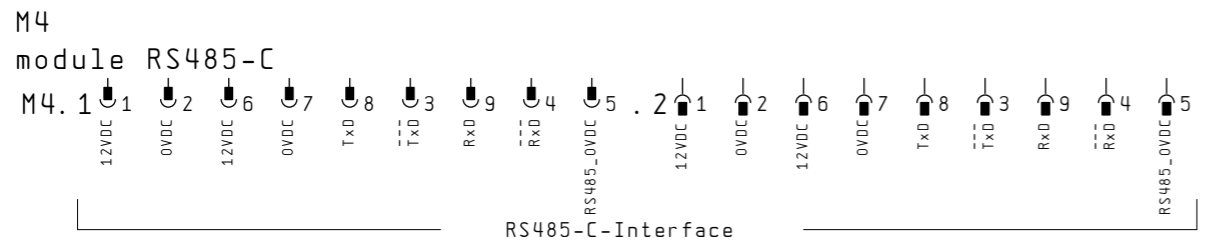
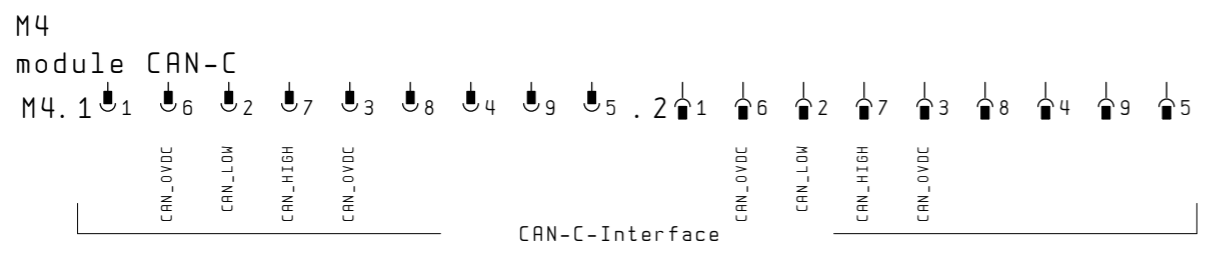
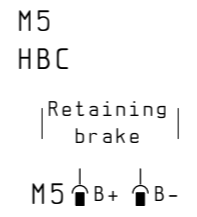
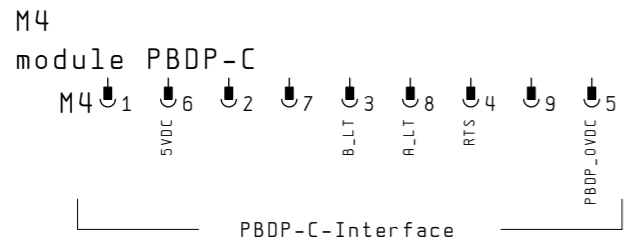
M3
module SAM



M2
module HIFA-C

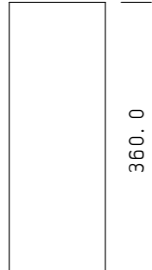


M2
module RESO-C

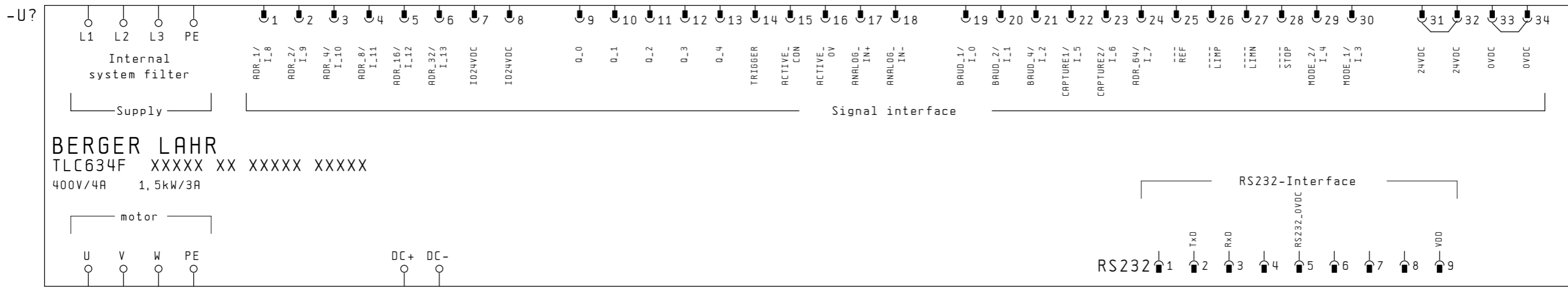


			Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +632PF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0044 Page 4 of 5

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			Date	29.01.07	BERGER LAHR	TLC632PF Motion Controller with drive amplifier	Type/Part No: TLC632PF XXXXX XX XXXXX XXXXX Macro: TLC632PF X	=TLC +632PF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0045 Page 5 of 5



TLC634F X_1
Mainmakro
Motion Controller
with drive amplifier

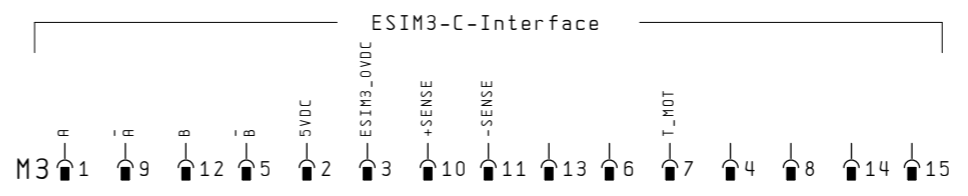
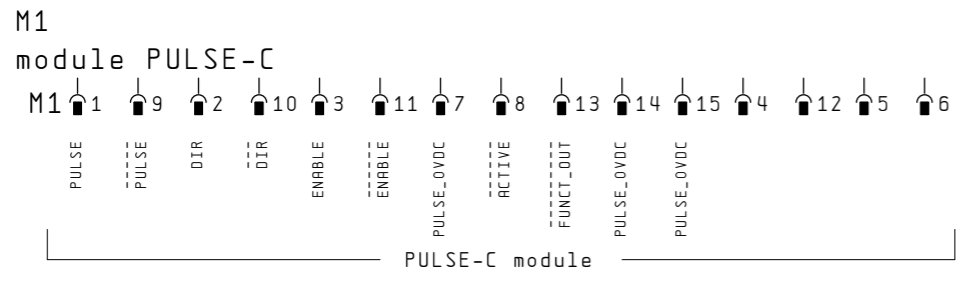
			Date	29.01.07	BERGER LAHR	TLC634F Motion Controller with drive amplifier	Type/Part No: TLC634F XXXXX XX XXXXX XXXXX Macro: TLC634F X_1	=TLC +634F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0046 Page 1 of 5

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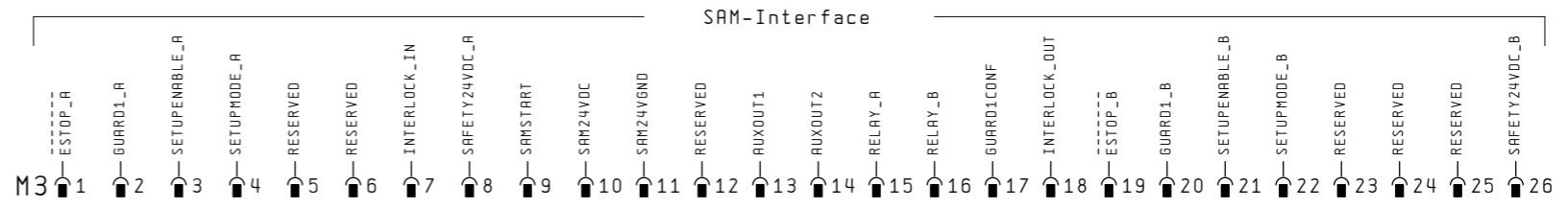
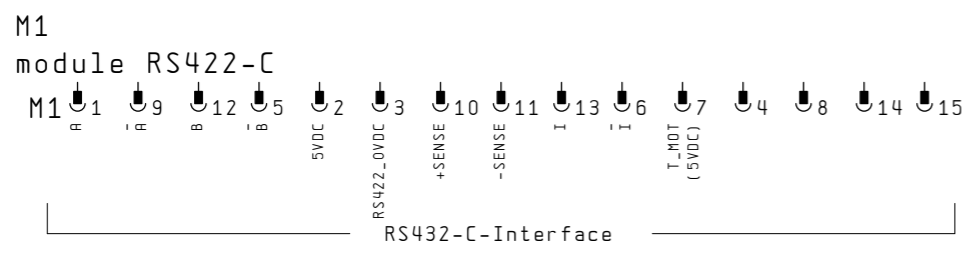
BERGER LAHR
 TLC634F XXXXX XX XXXXX XXXXX
 400V/4A 1,5kW/3A

TLC634F X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

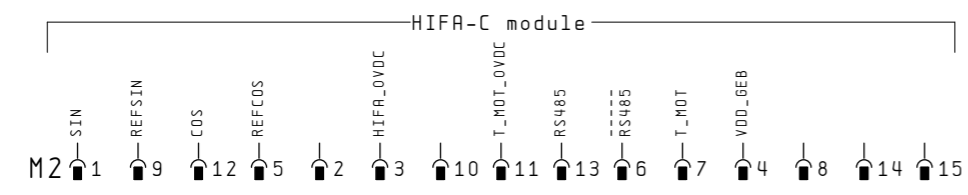
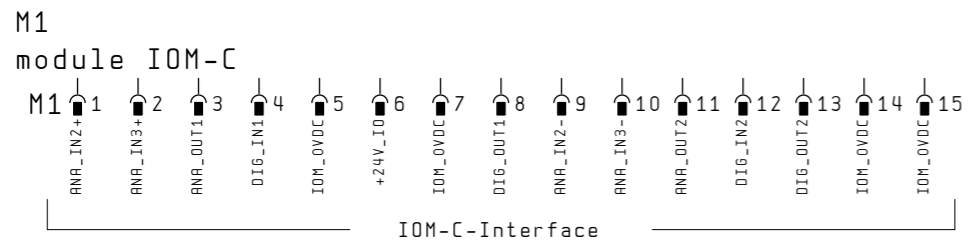
			Date	29.01.07	BERGER LAHR	TLC634F Motion Controller with drive amplifier	Type/Part No: TLC634F XXXXX XX XXXXX XXXXX Macro: TLC634F X_2	=TLC +634F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0047 Page 2 of 5



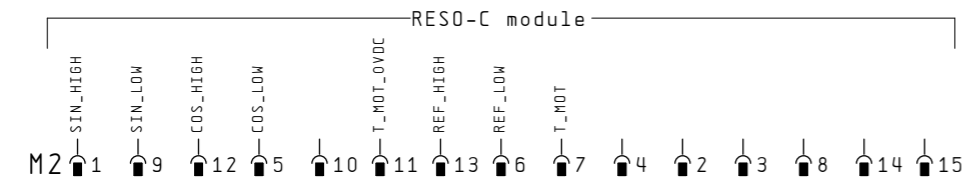
M3
module ESIM3-C



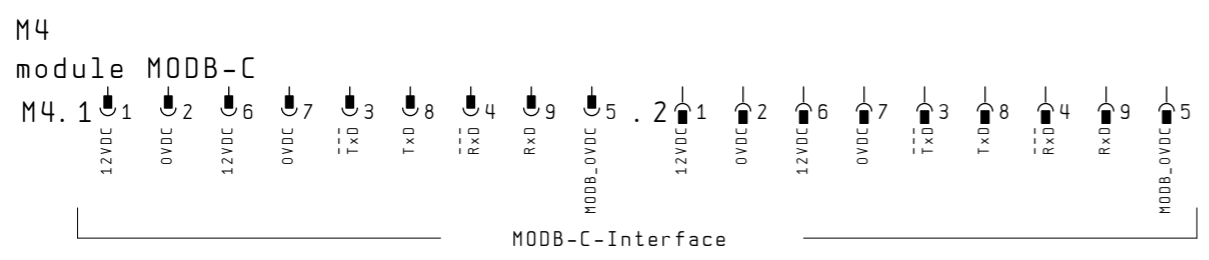
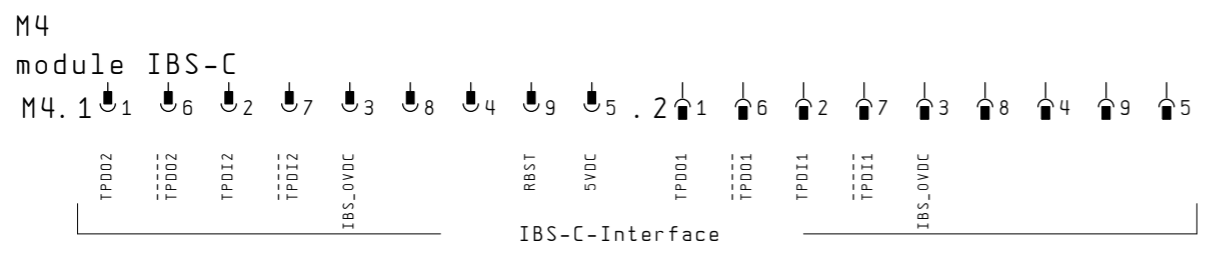
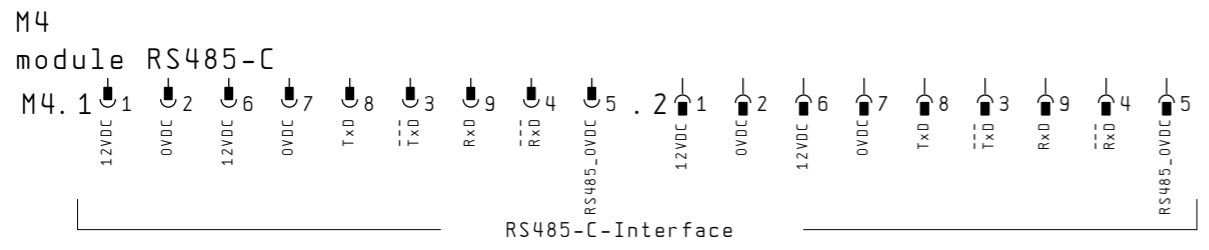
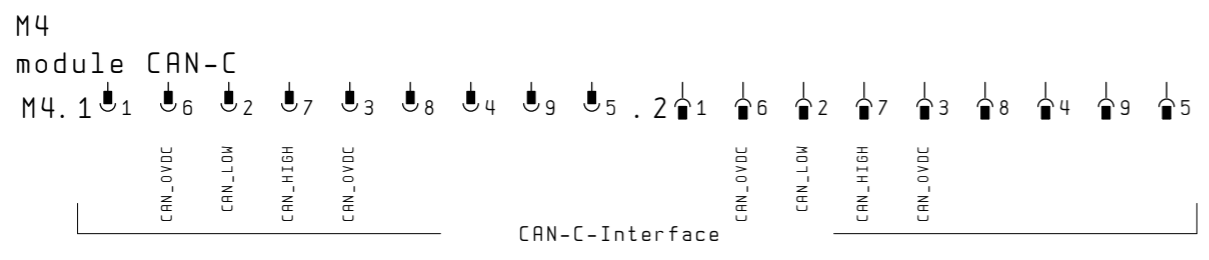
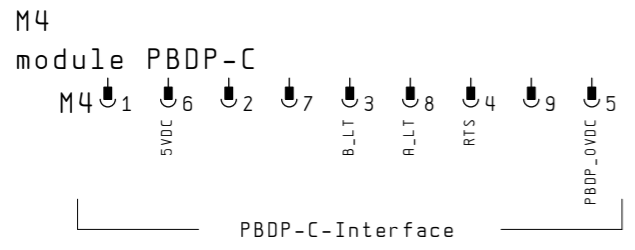
M3
module SAM



M2
module HIFA-C

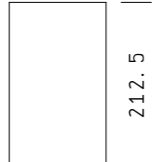


M2
module RESO-C

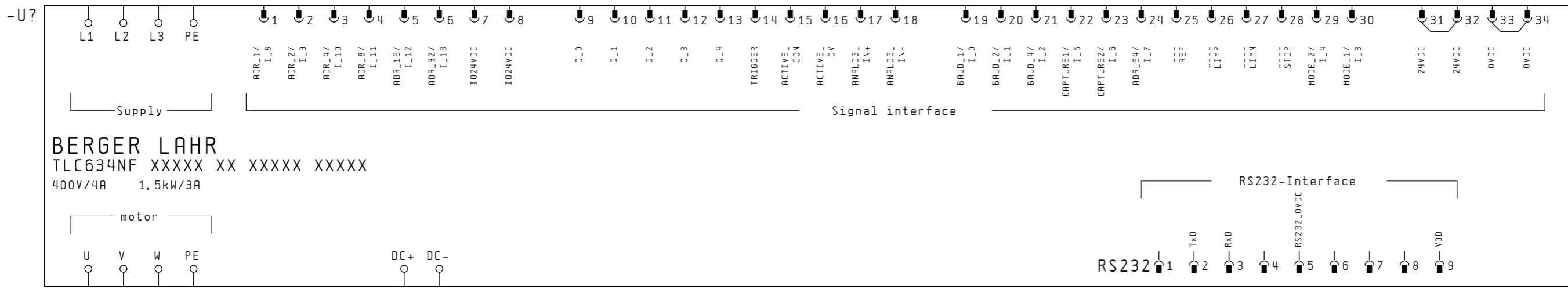


		Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +634F
		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6		Sheet 0049	Page 4 of 5

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			Date	29.01.07	BERGER LAHR	TLC634F Motion Controller with drive amplifier	Type/Part No: TLC634F XXXXX XX XXXXX XXXXX Macro: TLC634F X	=TLC +634F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0050 Page 5 of 5



BERGER LAHR
 TLC634NF XXXXX XX XXXXX XXXXX
 400V/4A 1.5kW/3A

TLC634NF X_1
 Mainmakro
 Motion Controller
 with drive amplifier

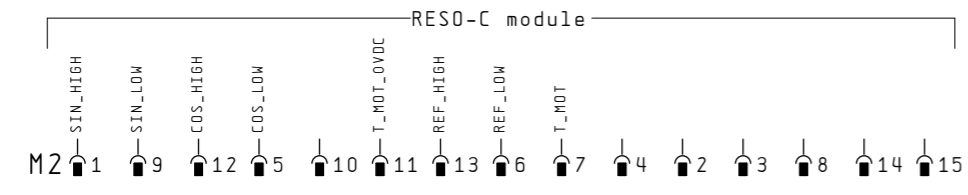
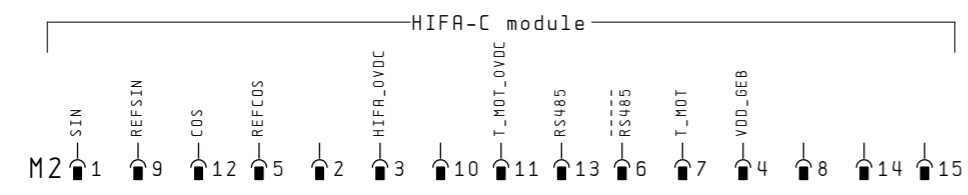
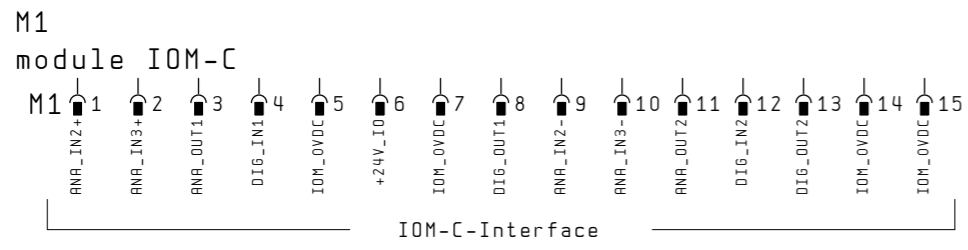
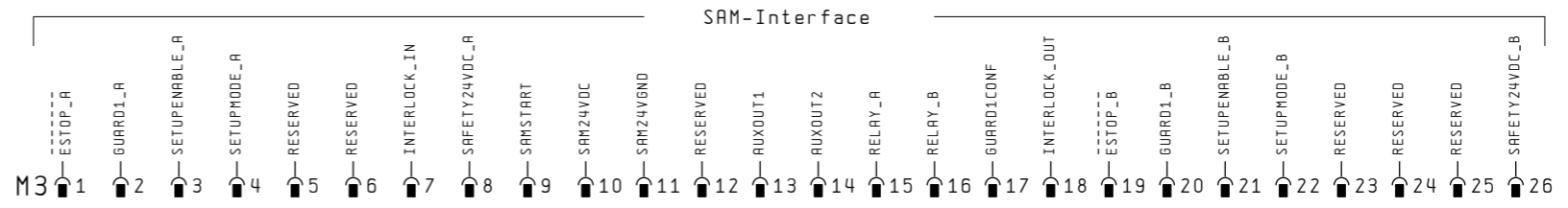
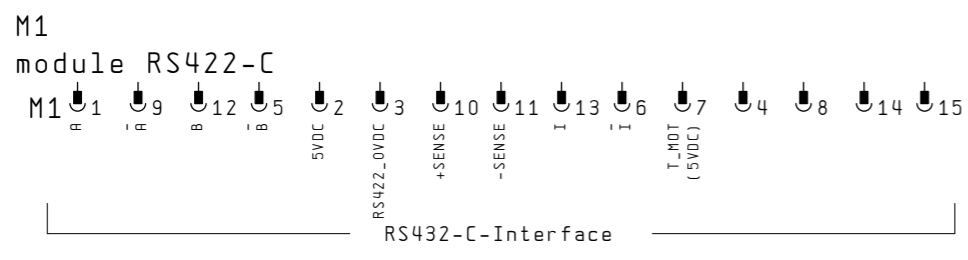
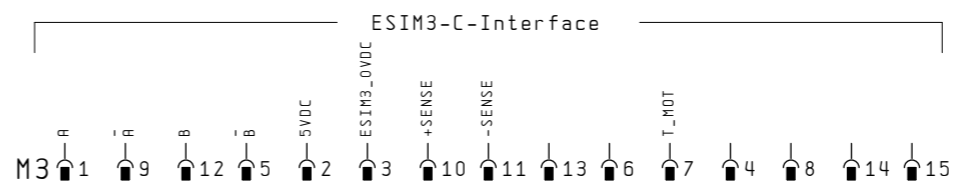
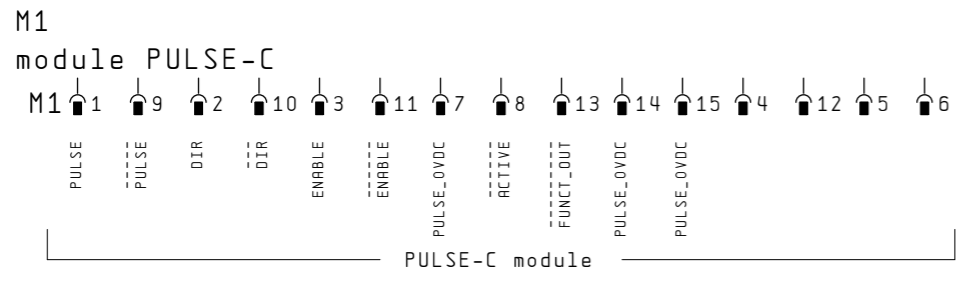
			Date	29.01.07	BERGER LAHR	TLC634NF Motion Controller with drive amplifier	Type/Part No: TLC634NF XXXXX XX XXXXX XXXXX Macro: TLC634NF X_1	=TLC +634NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0051 Page 1 of 5

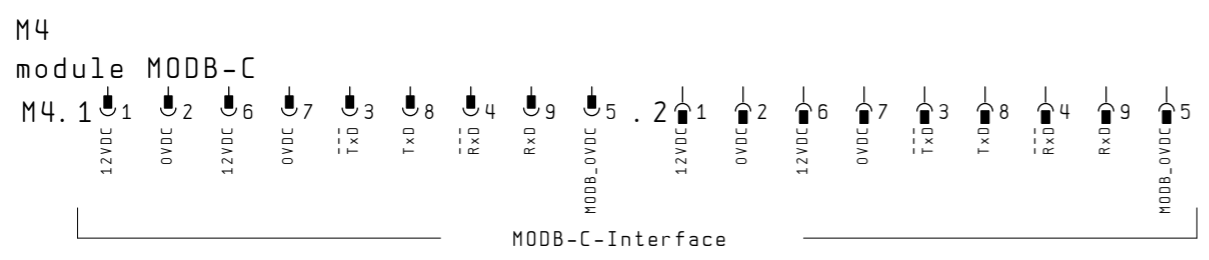
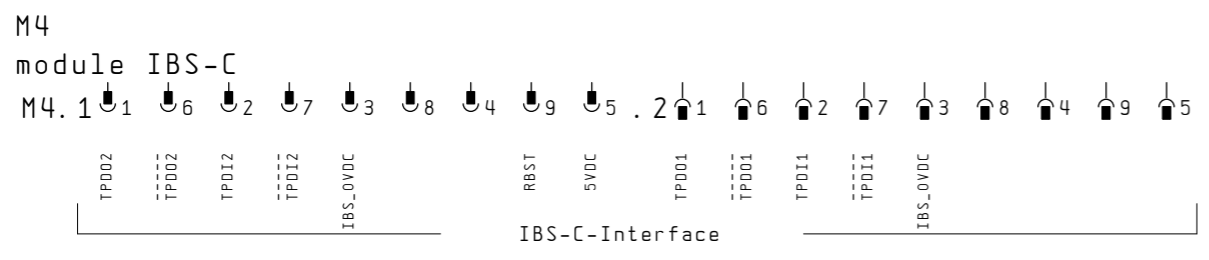
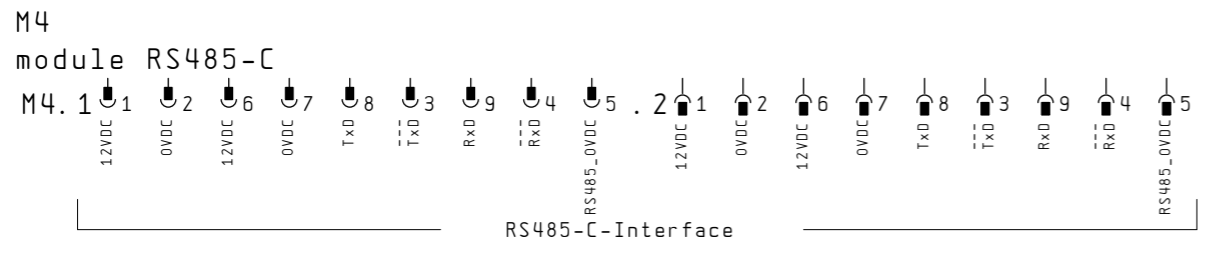
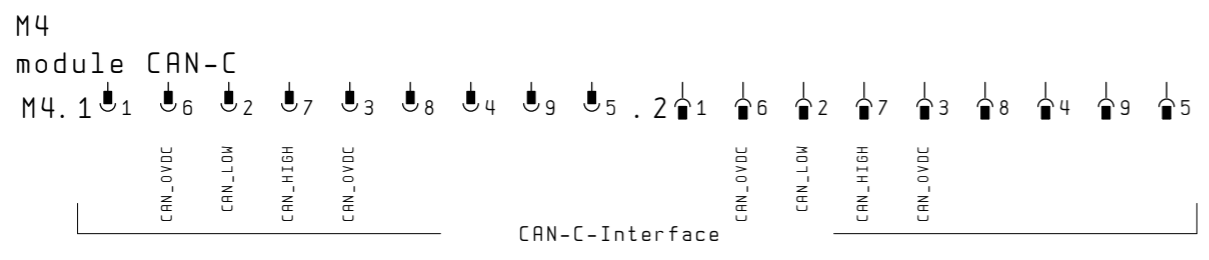
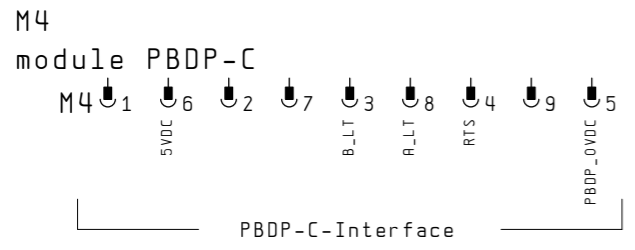
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BERGER LAHR
 TLC634NF XXXXX XX XXXXX XXXXX
 400V/4A 1,5kW/3A

TLC634NF X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

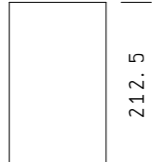
			Date	29.01.07	BERGER LAHR	TLC634NF Motion Controller with drive amplifier	Type/Part No: TLC634NF XXXXX XX XXXXX XXXXX Macro: TLC634NF X_2	=TLC +634NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0052 Page 2 of 5



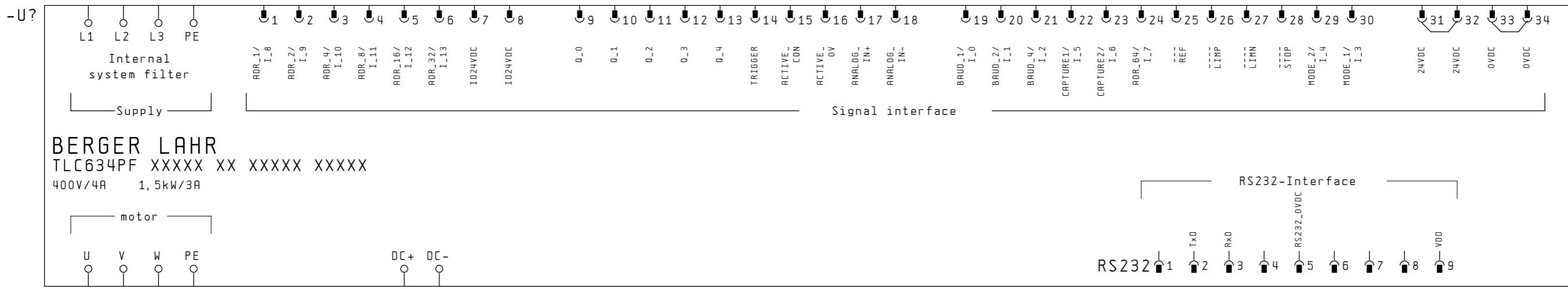


		Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +634NF
		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6			Sheet 0054 Page 4 of 5

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			Date	29.01.07	BERGER LAHR	TLC634NF Motion Controller with drive amplifier	Type/Part No: TLC634NF XXXXX XX XXXXX XXXXX Macro: TLC634NF X	=TLC +634NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0055 Page 5 of 5



TLC634PF X_1
Mainmakro
Motion Controller
with drive amplifier

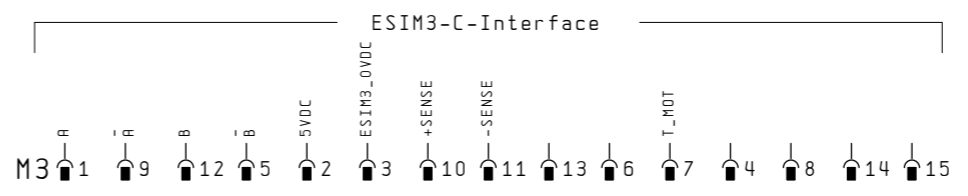
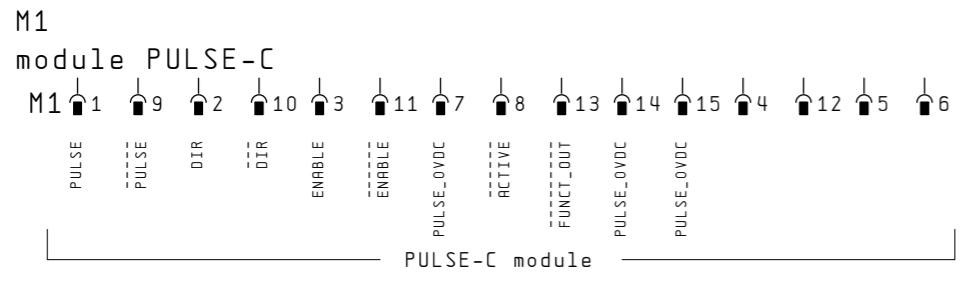
			Date	29.01.07	BERGER LAHR	TLC634PF Motion Controller with drive amplifier	Type/Part No: TLC634PF XXXXX XX XXXXX XXXXX Macro: TLC634PF X_1	=TLC +634PF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0056 Page 1 of 5

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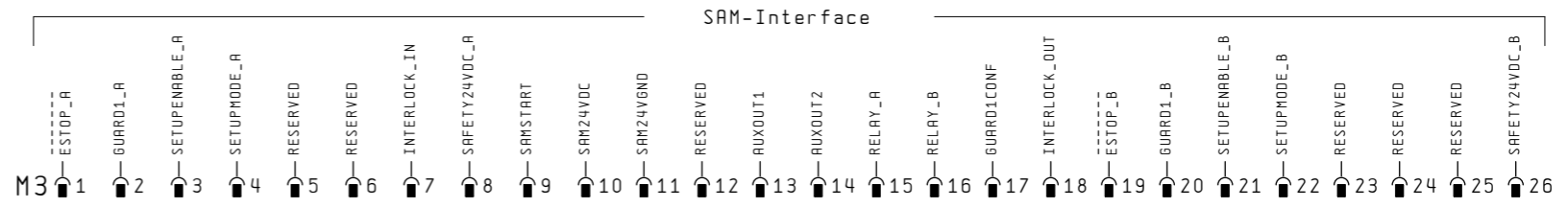
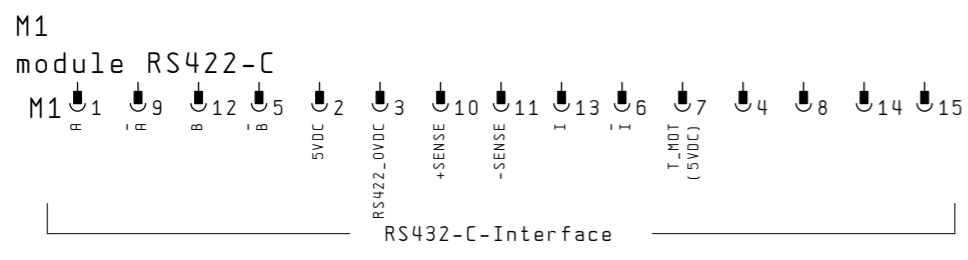
BERGER LAHR
 TLC634PF XXXXX XX XXXXX XXXXX
 400V/4A 1,5kW/3A

TLC634PF X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

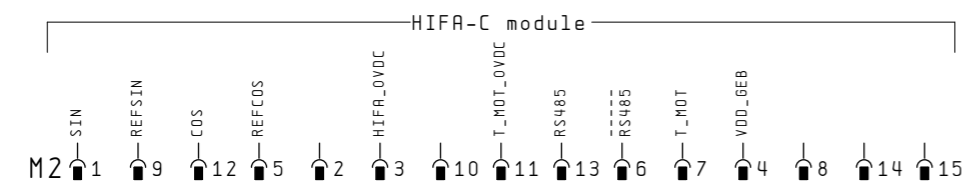
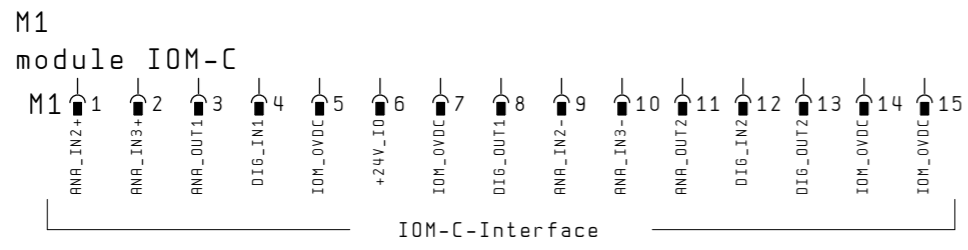
			Date	29.01.07	BERGER LAHR	TLC634PF Motion Controller with drive amplifier	Type/Part No: TLC634PF XXXXX XX XXXXX XXXXX Macro: TLC634PF X_2	=TLC +634PF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0057 Page 2 of 5



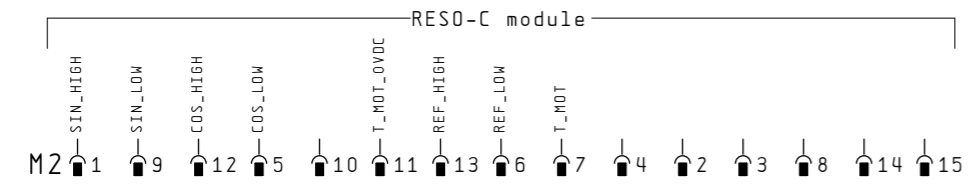
M3
module ESIM3-C



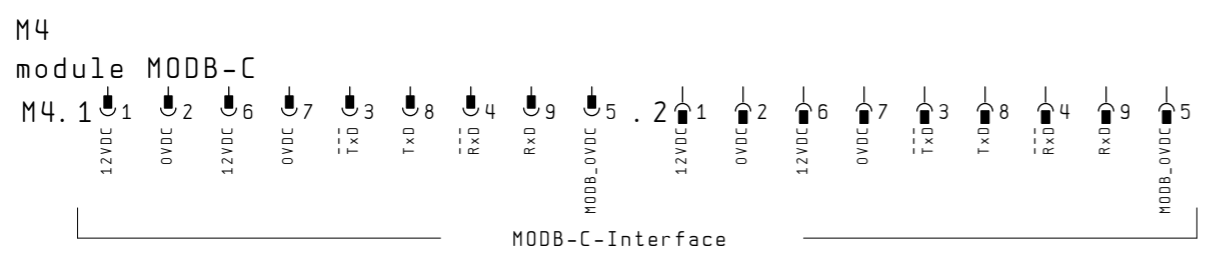
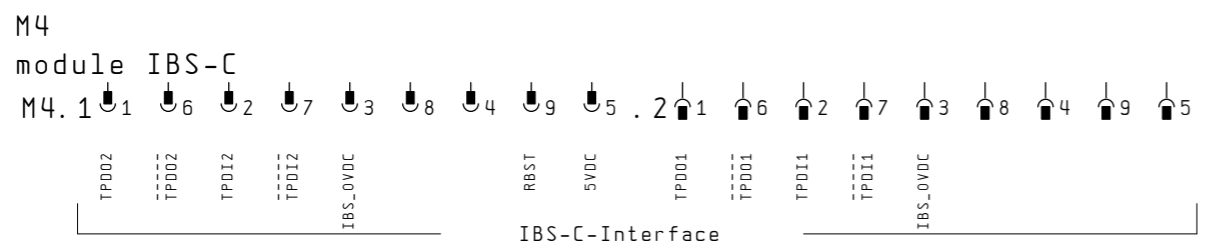
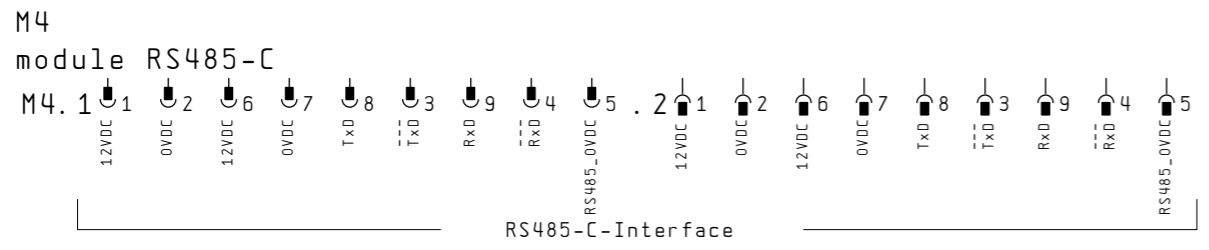
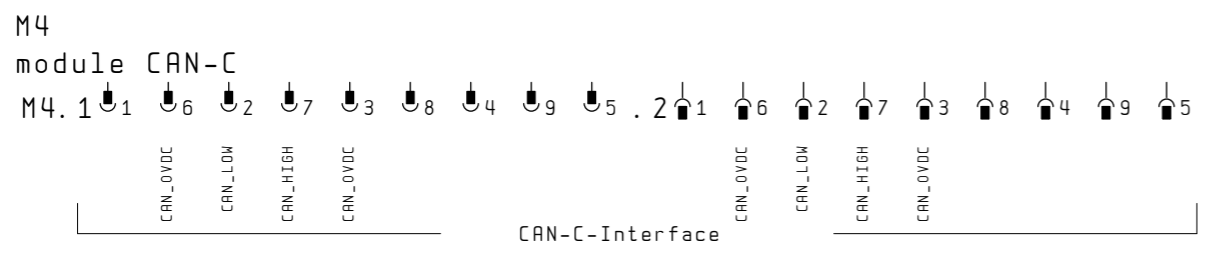
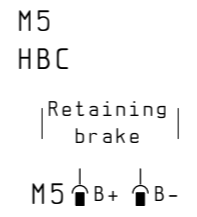
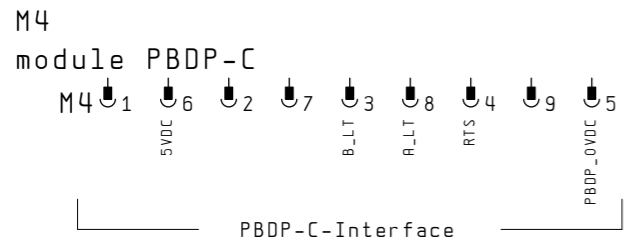
M3
module SAM



M2
module HIFA-C



M2
module RESO-C



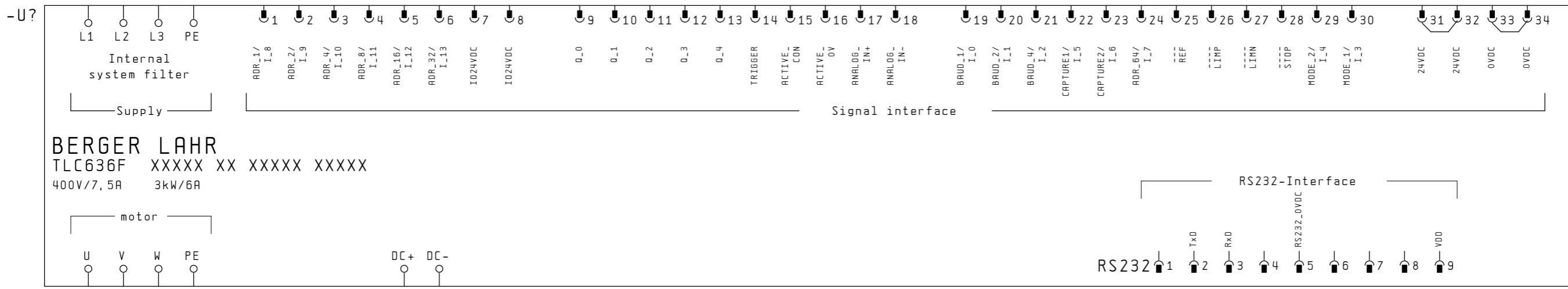
		Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +634PF
		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6			Sheet 0059 Page 4 of 5

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360.0

			Date	29.01.07	BERGER LAHR	TLC634PF Motion Controller with drive amplifier	Type/Part No: TLC634PF XXXXX XX XXXXX XXXXX Macro: TLC634PF X	=TLC +634PF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0060 Page 5 of 5



BERGER LAHR
 TLC636F XXXXX XX XXXXX XXXXX
 400V/7.5A 3kW/6A

TLC636F X_1
 Mainmakro
 Motion Controller
 with drive amplifier

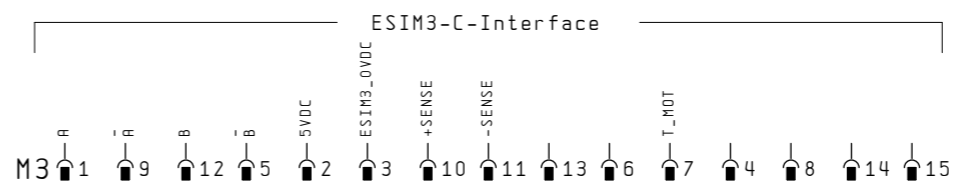
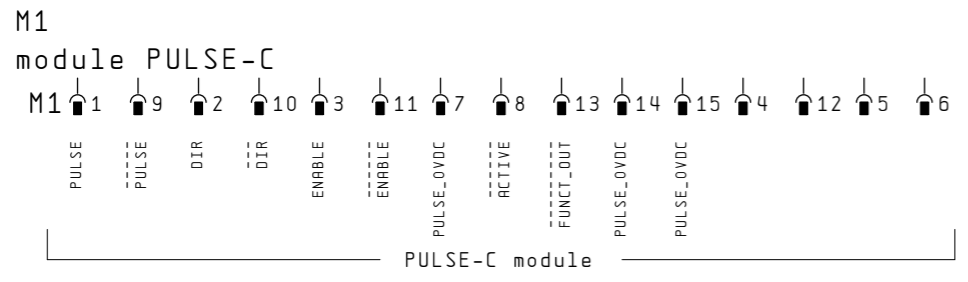
			Date	29.01.07	BERGER LAHR	TLC636F Motion Controller with drive amplifier	Type/Part No: TLC636F XXXXX XX XXXXX XXXXX Macro: TLC636F X_1	=TLC +636F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0061 Page 1 of 5

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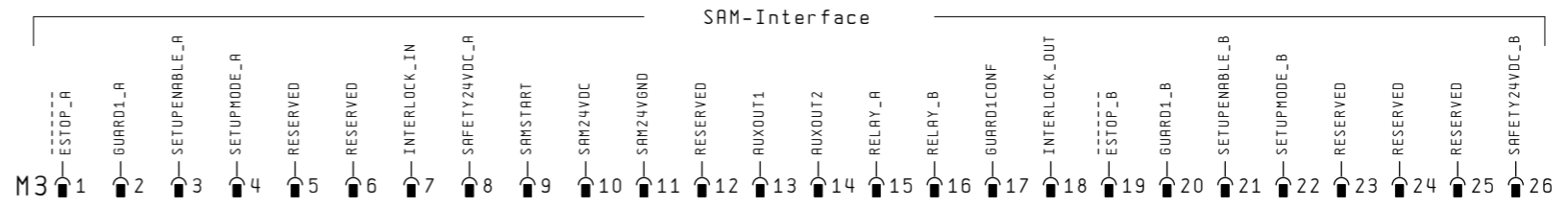
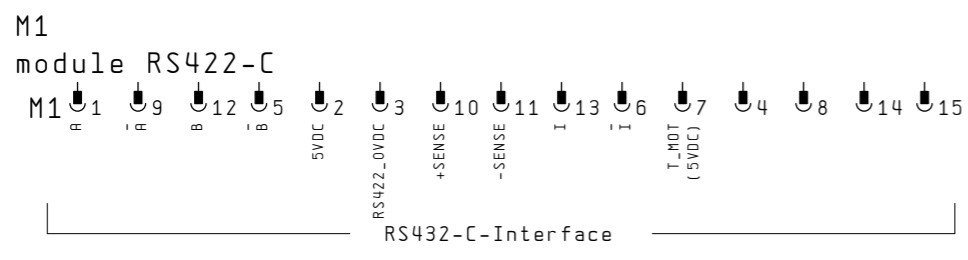
BERGER LAHR
 TLC636F XXXXX XX XXXXX XXXXX
 400V/7,5A 3kW/6A

TLC636F X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

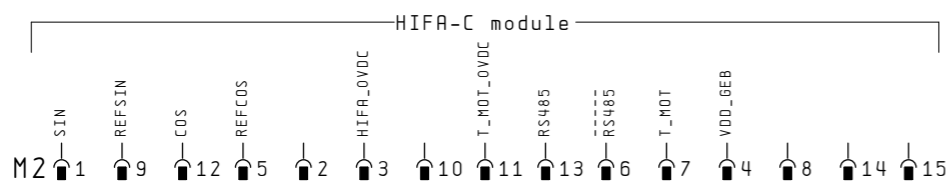
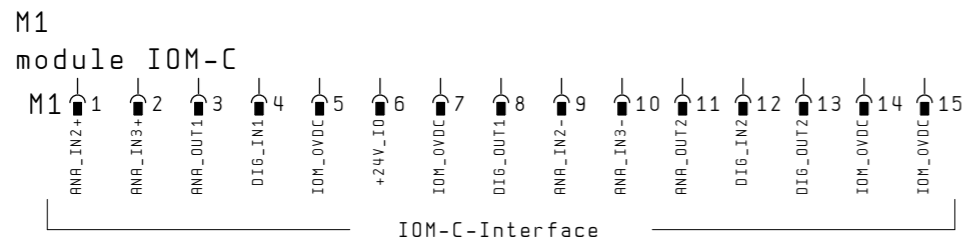
			Date	29.01.07	BERGER LAHR	TLC636F Motion Controller with drive amplifier	Type/Part No: TLC636F XXXXX XX XXXXX XXXXX Macro: TLC636F X_2	=TLC +636F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0062 Page 2 of 5



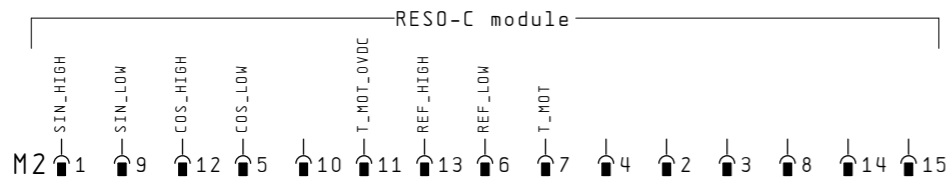
M3
module ESIM3-C



M3
module SAM

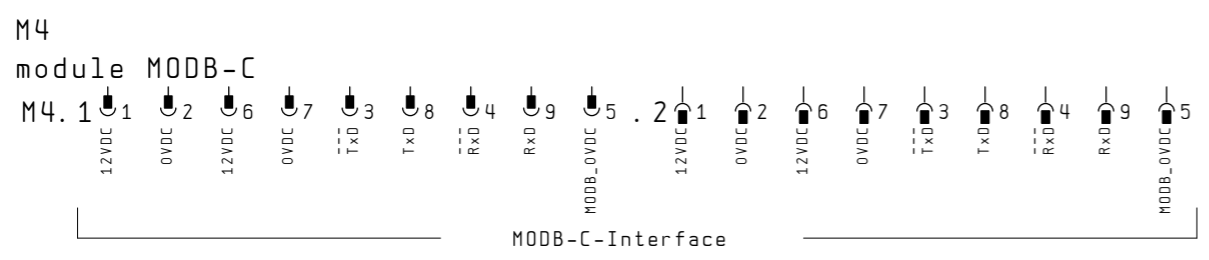
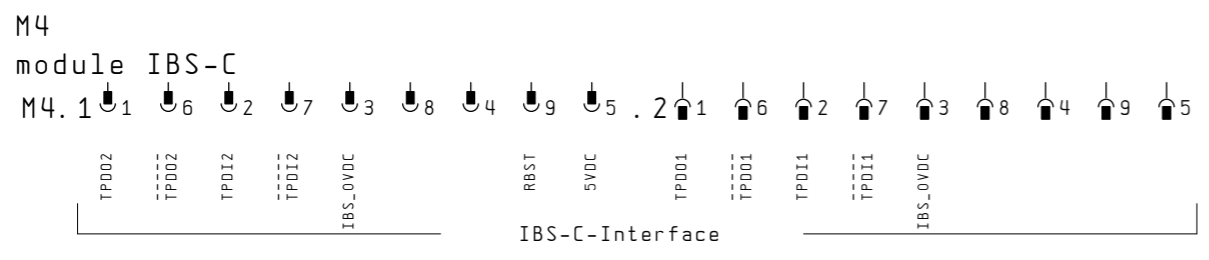
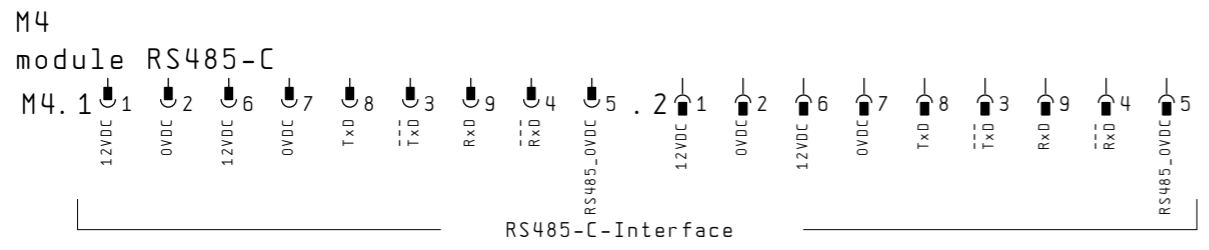
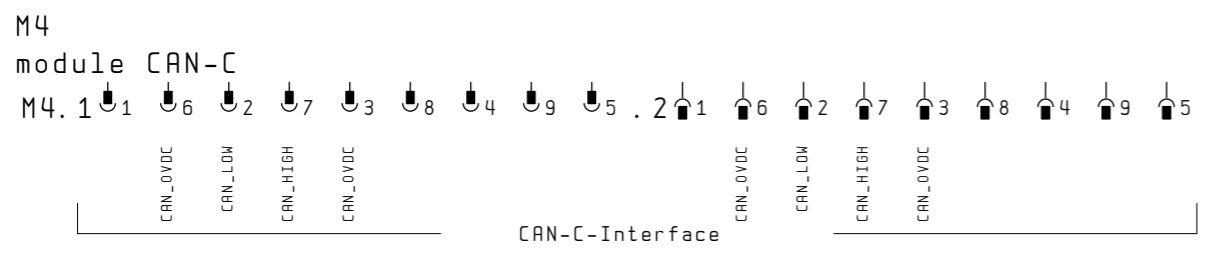
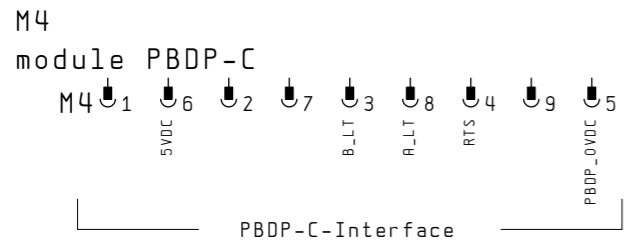


M2
module HIFA-C

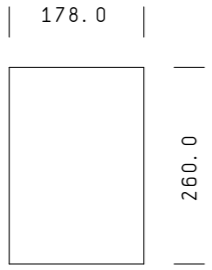


M2
module RESO-C

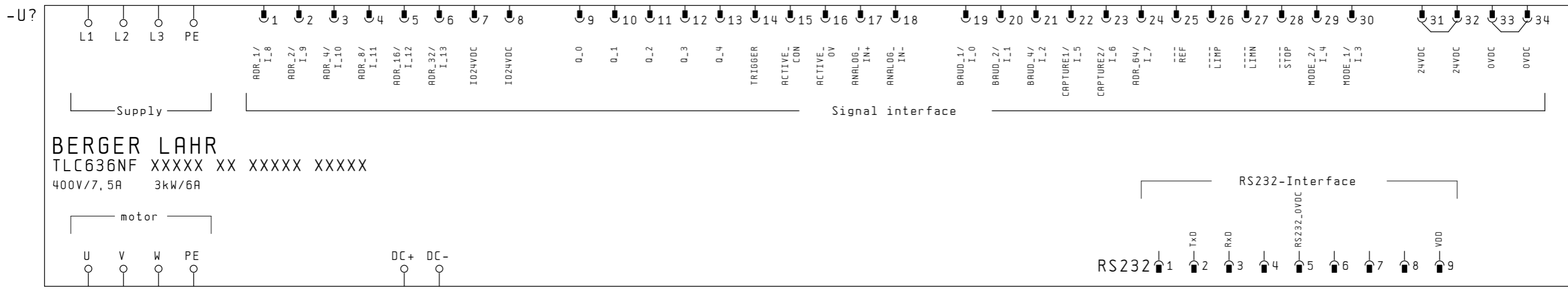
		Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +636F
		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6			Sheet 0063 Page 3 of 5



		Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +636F
		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6		Sheet 0064	Page 4 of 5



			Date	29.01.07	BERGER LAHR	TLC636F Motion Controller with drive amplifier	Type/Part No: TLC636F XXXXX XX XXXXX XXXXX Macro: TLC636F X	=TLC +636F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0065 Page 5 of 5



BERGER LAHR
 TLC636NF XXXXX XX XXXXX XXXXX
 400V/7.5A 3kW/6A

TLC636NF X_1
 Mainmakro
 Motion Controller
 with drive amplifier

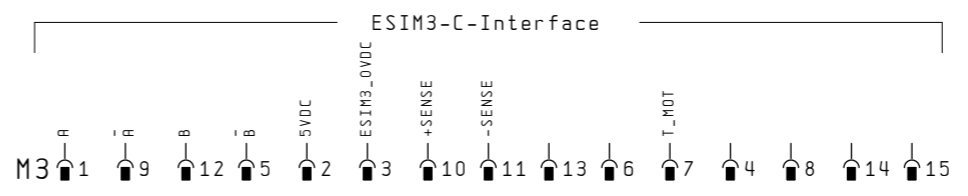
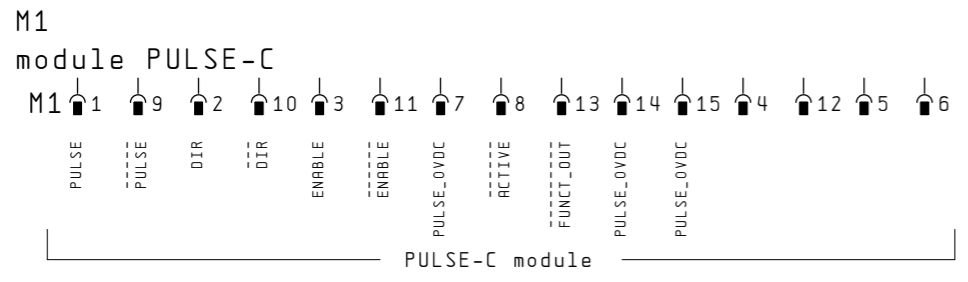
			Date	29.01.07	BERGER LAHR	TLC636NF Motion Controller with drive amplifier	Type/Part No: TLC636NF XXXXX XX XXXXX XXXXX Macro: TLC636NF X_1	=TLC +636NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0066 Page 1 of 5

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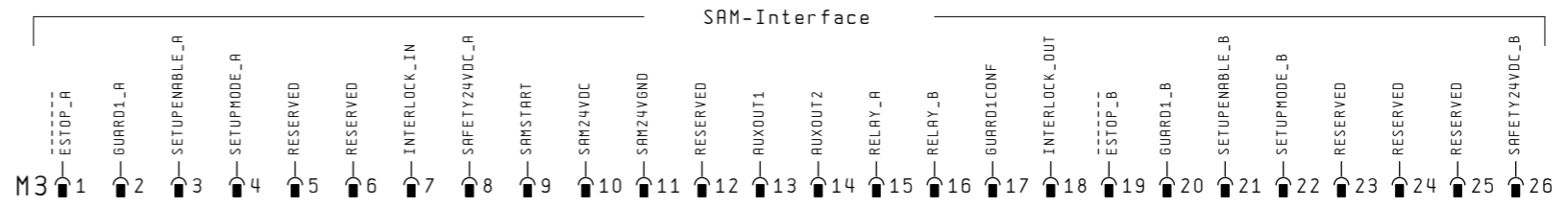
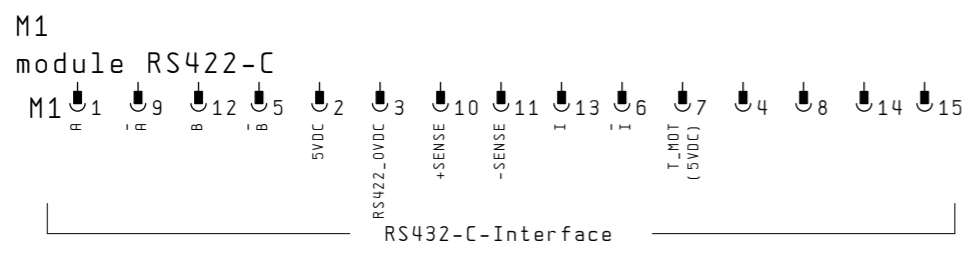
BERGER LAHR
 TLC636NF XXXXX XX XXXXX XXXXX
 400V/7,5A 3kW/6A

TLC636NF X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

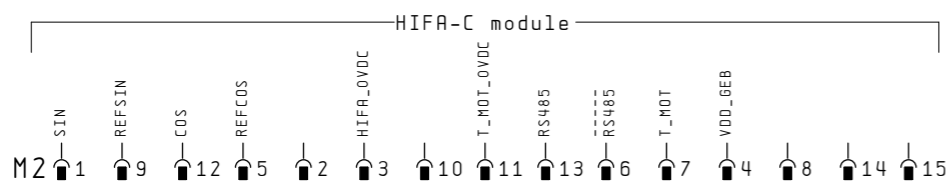
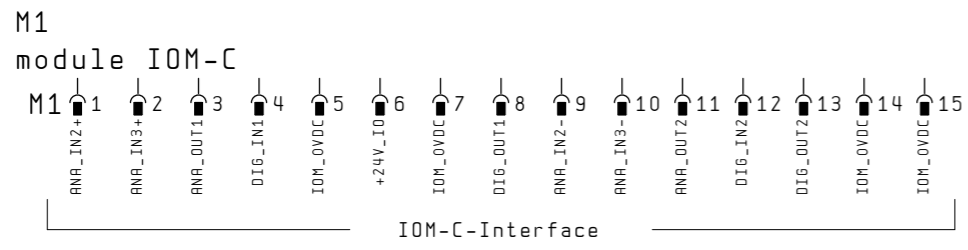
			Date	29.01.07	BERGER LAHR	TLC636NF Motion Controller with drive amplifier	Type/Part No: TLC636NF XXXXX XX XXXXX XXXXX Macro: TLC636NF X_2	=TLC +636NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0067 Page 2 of 5



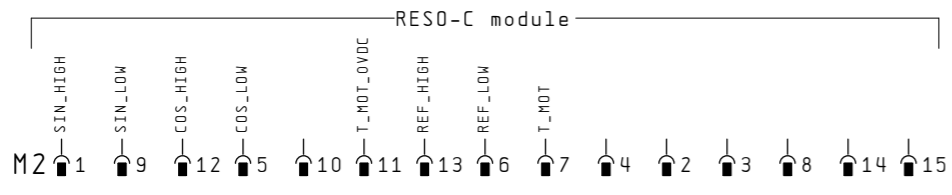
M3
module ESIM3-C



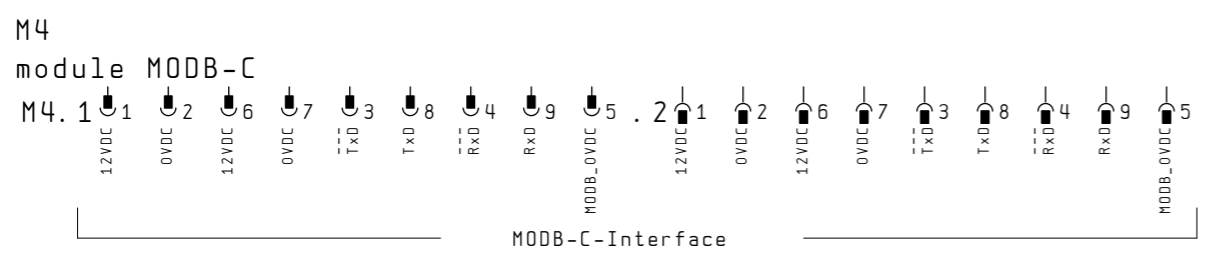
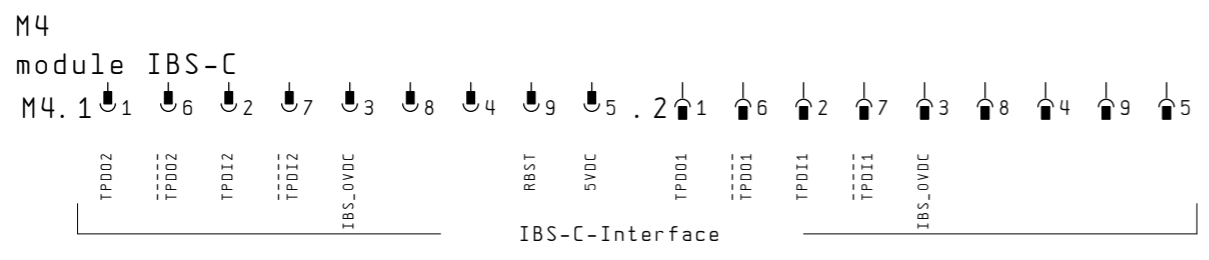
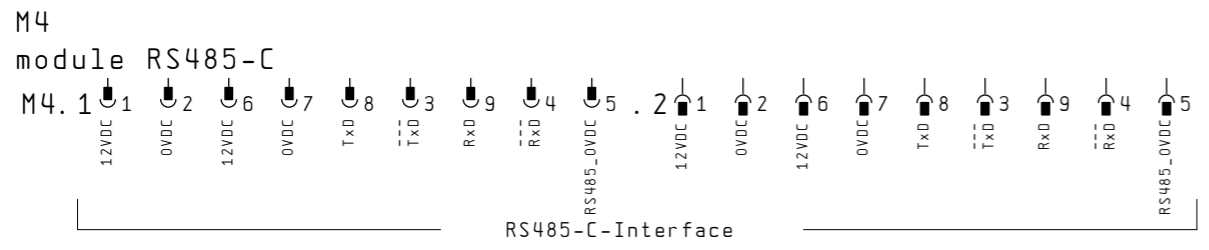
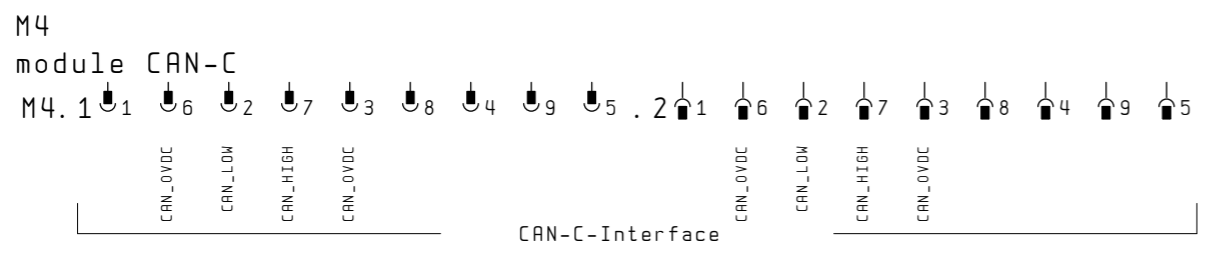
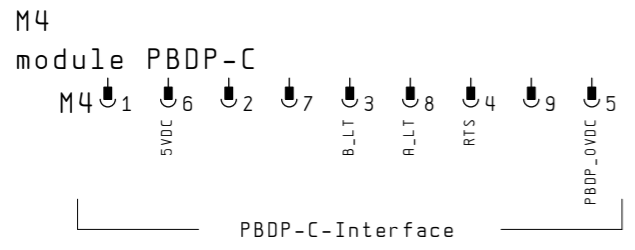
M3
module SAM



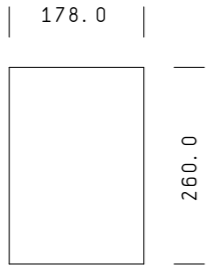
M2
module HIFA-C



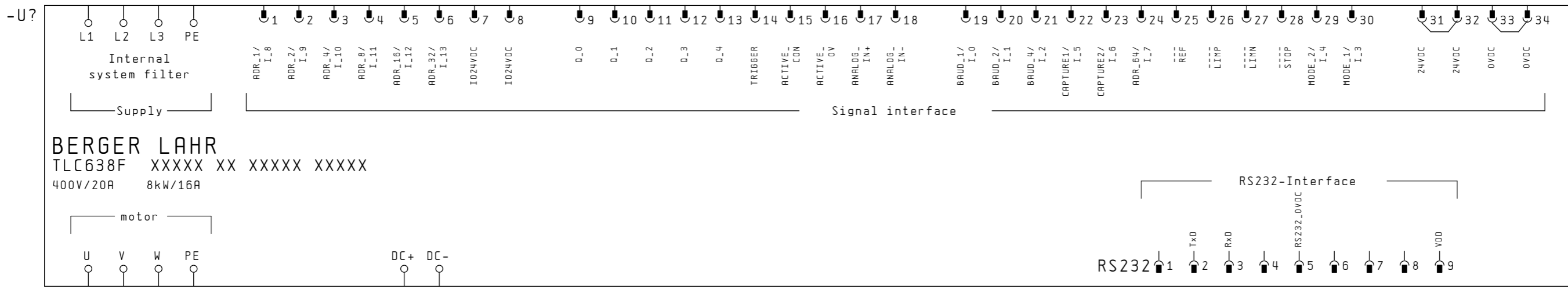
M2
module RESO-C



		Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +636NF
		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6		Sheet 0069	Page 4 of 5



			Date	29.01.07	BERGER LAHR	TLC636NF Motion Controller with drive amplifier	Type/Part No: TLC636NF XXXXX XX XXXXX XXXXX Macro: TLC636NF X	=TLC +636NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0070 Page 5 of 5



BERGER LAHR
 TLC638F XXXXX XX XXXXX XXXXX
 400V/20A 8kW/16A

TLC638F X_1
 Mainmakro
 Motion Controller
 with drive amplifier

			Date	29.01.07	BERGER LAHR	TLC638F Motion Controller with drive amplifier	Type/Part No: TLC638F XXXXX XX XXXXX XXXXX Macro: TLC638F X_1	=TLC +638F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0076 Page 1 of 5

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BERGER LAHR
 TLC638F XXXXX XX XXXXX XXXXX
 400V/20A 8kW/16A

TLC638F X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

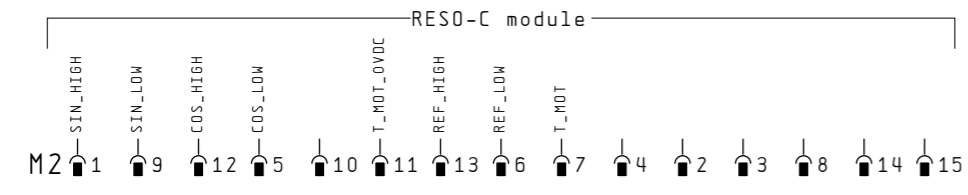
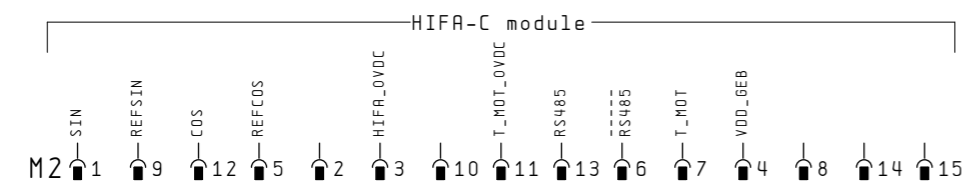
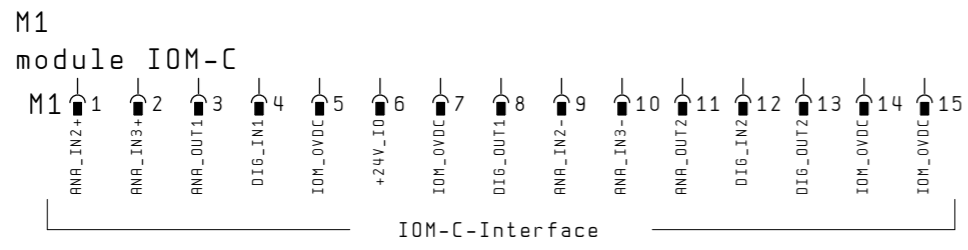
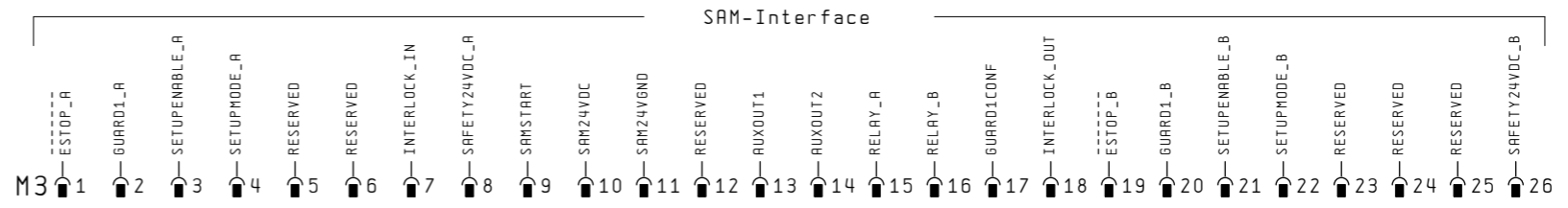
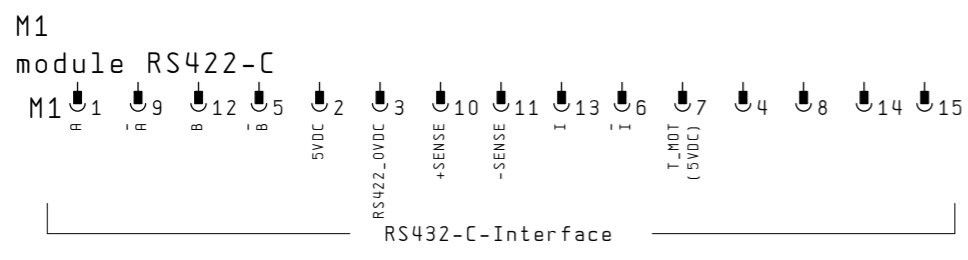
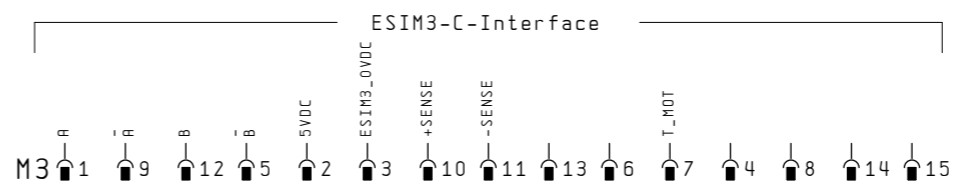
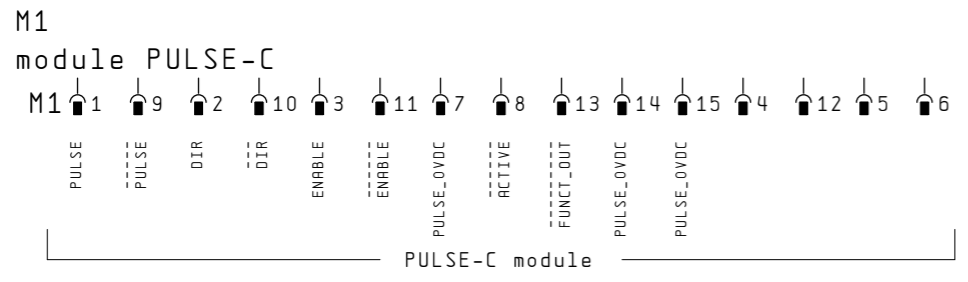
Date	29.01.07
User.	CBA
Check.	20.03.07

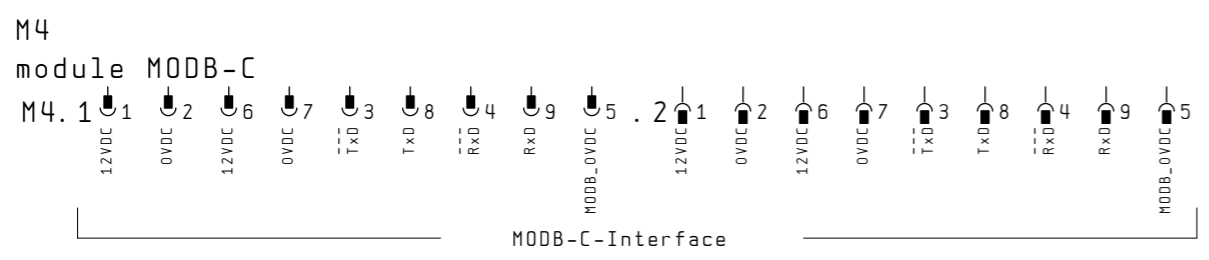
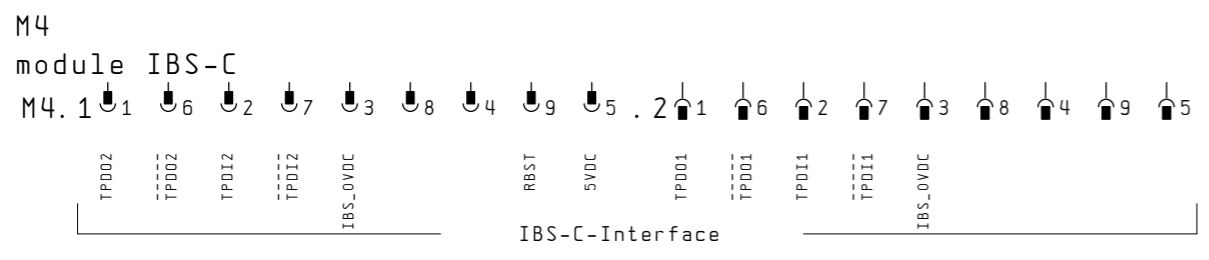
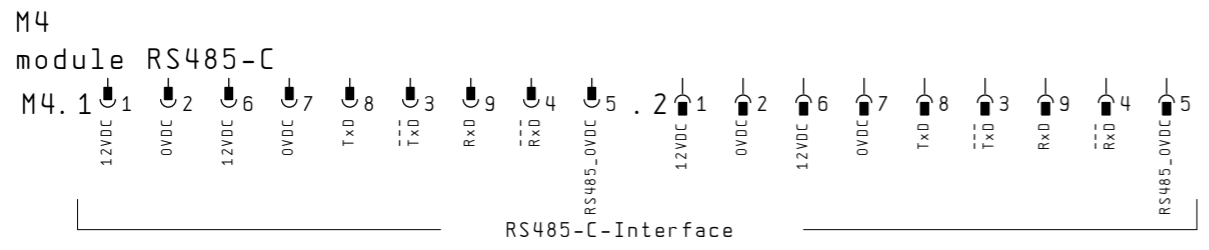
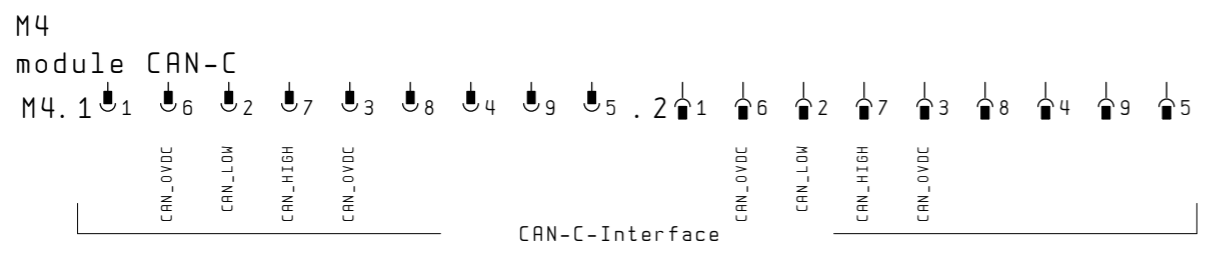
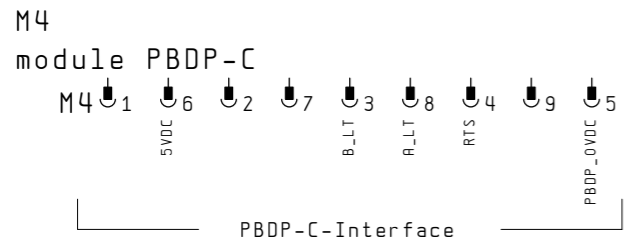
BERGER LAHR

TLC638F Motion Controller
 with drive amplifier

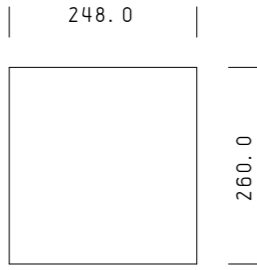
Type/Part No: TLC638F XXXXX XX XXXXX XXXXX
 Macro: TLC638F X_2

=TLC
 +638F

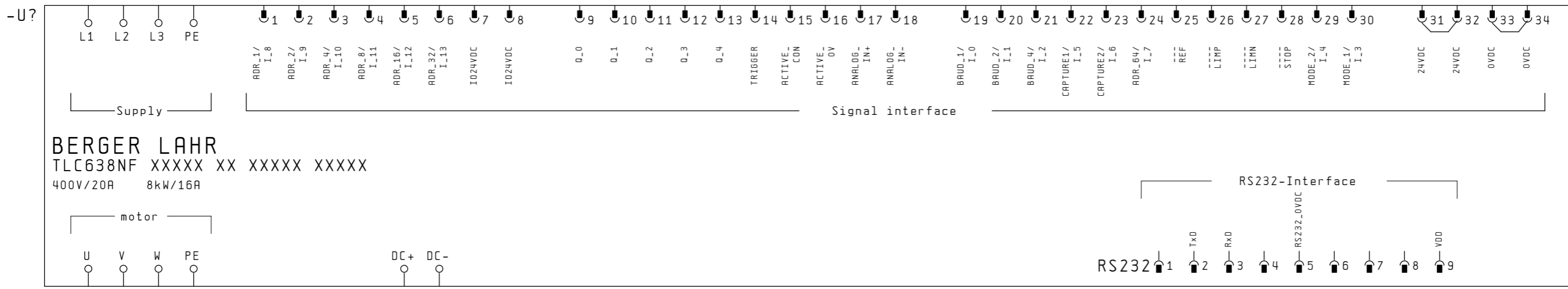




		Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +638F
		User.	CBA				
		Check.	20.03.07				
Changes	Date	Name	Norm	MACROS TLC6		Sheet 0079	Page 4 of 5



			Date	29.01.07	BERGER LAHR	TLC638F Motion Controller with drive amplifier	Type/Part No: TLC638F XXXXX XX XXXXX XXXXX Macro: TLC638F X	=TLC +638F
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0080 Page 5 of 5



BERGER LAHR
 TLC638NF XXXXX XX XXXXX XXXXX
 400V/20A 8kW/16A

TLC638NF X_1
 Mainmakro
 Motion Controller
 with drive amplifier

			Date	29.01.07	BERGER LAHR	TLC638NF Motion Controller with drive amplifier	Type/Part No: TLC638NF XXXXX XX XXXXX XXXXX Macro: TLC638NF X_1	=TLC +638NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0081 Page 1 of 5

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BERGER LAHR
 TLC638NF XXXXX XX XXXXX XXXXX
 400V/20A 8kW/16A

TLC638NF X_2
 Macro for Interfaces M1/M3/M4
 Motion Controller
 with drive amplifier

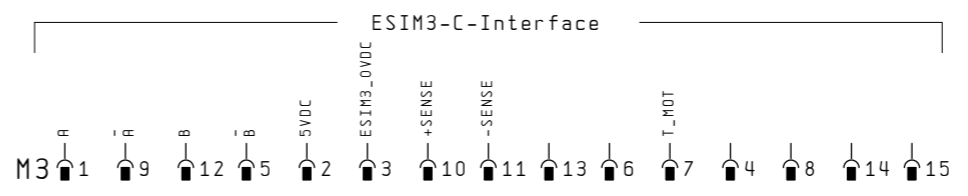
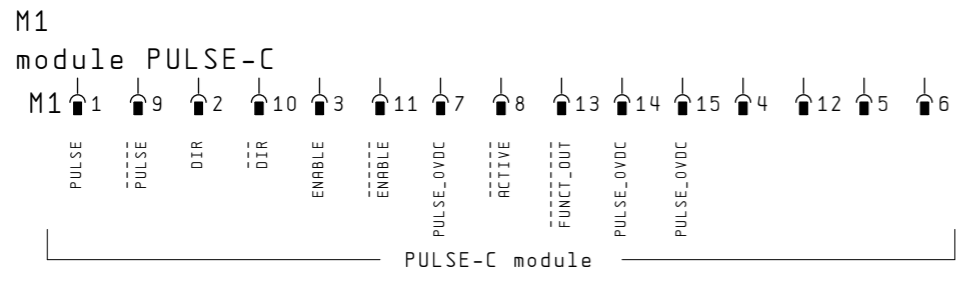
Date	29.01.07
User.	CBA
Check.	20.03.07

BERGER LAHR

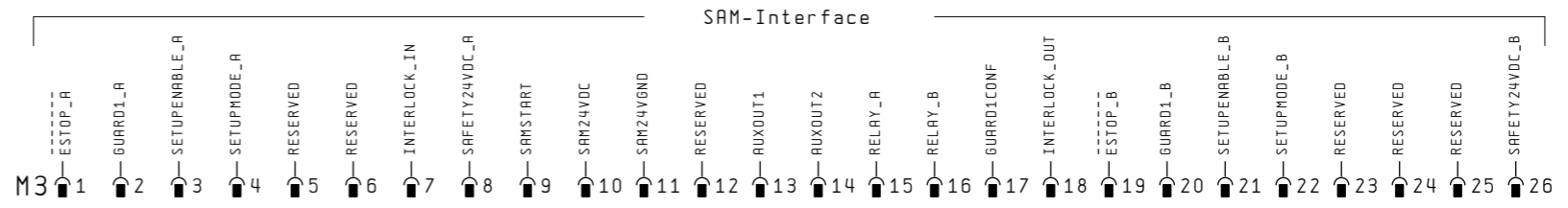
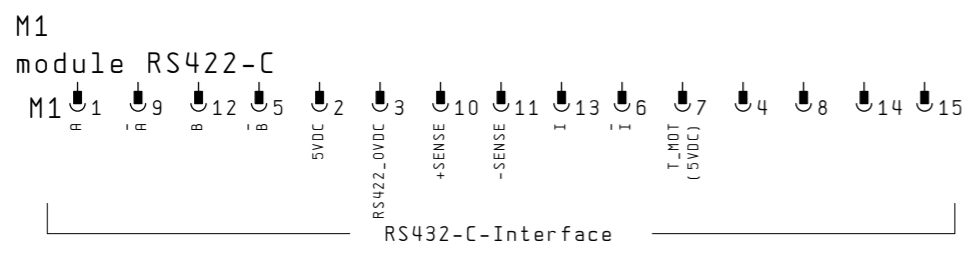
TLC638NF Motion Controller
 with drive amplifier

Type/Part No: TLC638NF XXXXX XX XXXXX XXXXX
 Macro: TLC638NF X_2

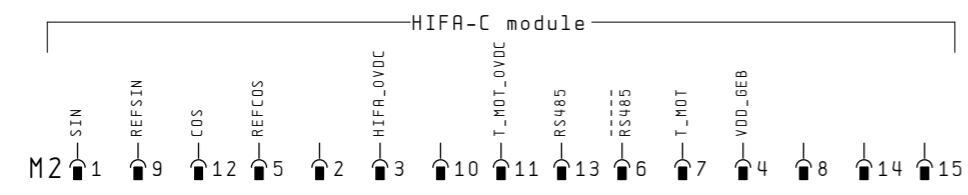
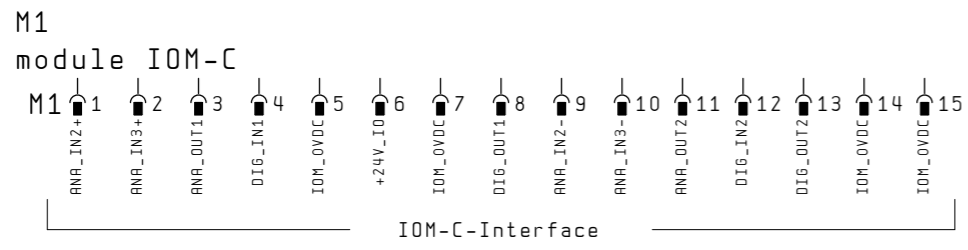
=TLC
 +638NF



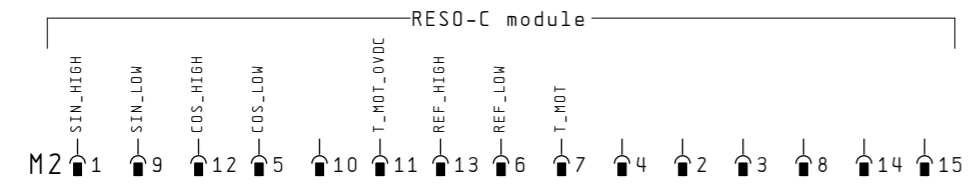
M3
module ESIM3-C



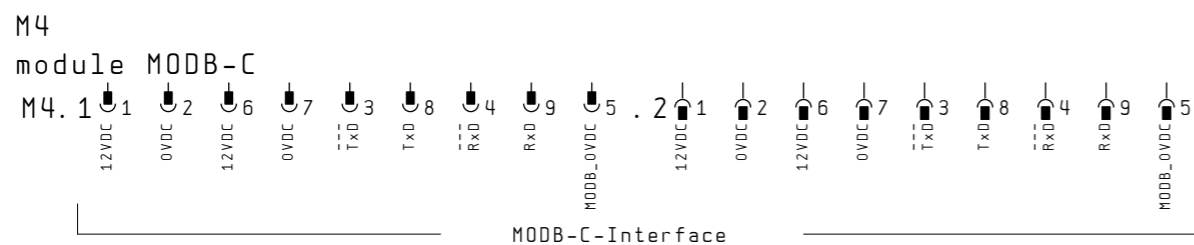
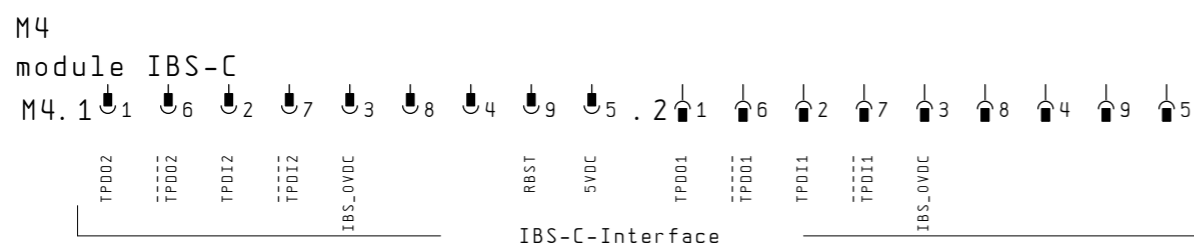
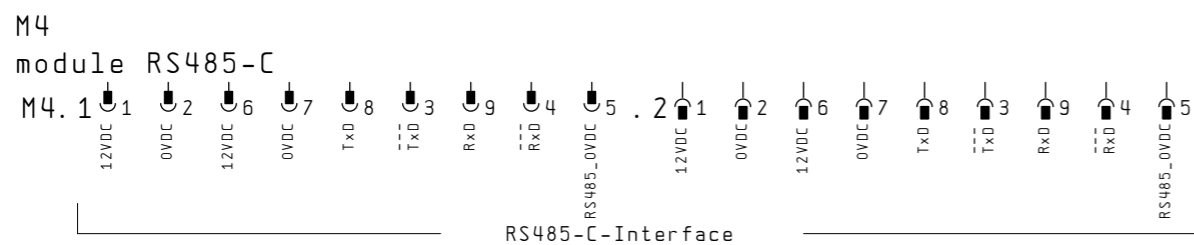
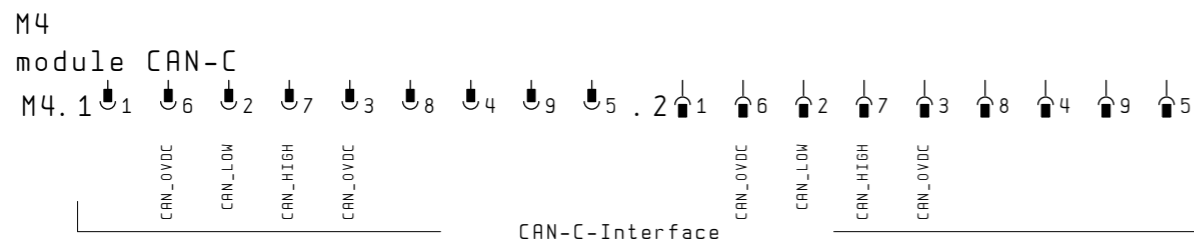
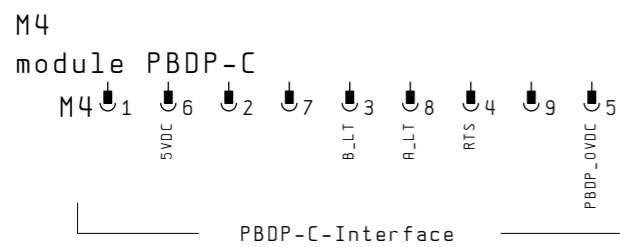
M3
module SAM



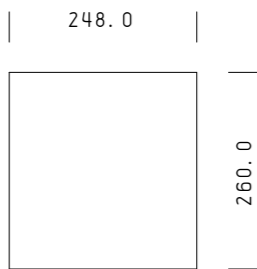
M2
module HIFA-C



M2
module RESO-C



			Date	29.01.07	BERGER LAHR	Options/Accessories TLC63	Type/Part No: OPTIONS/TLC63 Macro:	=TLC +638NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0084 Page 4 of 5



			Date	29.01.07	BERGER LAHR	TLC638NF Motion Controller with drive amplifier	Type/Part No: TLC638NF XXXXX XX XXXXX XXXXX Macro: TLC638NF X	=TLC +638NF
			User.	CBA				
			Check.	20.03.07				
Changes	Date	Name	Norm		MACROS TLC6			Sheet 0085 Page 5 of 5