

ADwin - Pin Assignments

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On the following pages you will find the pin assignments for all **ADwin-light-16**, **ADwin-Gold (II)** and **ADwin-Pro (II)** systems.
Unless otherwise specified, all connectors are carried out as female sockets.

Light-16 (Rev. A): EURO, EXT, PCI

L16{-CO1}
power supply
VG96 (backplane)

L16-DIO1
counter
CAN

Light-16 (Rev. B): EURO, EXT, PCI

L16{-CO1}{-PWM1}
LS-Bus
power supply
VG96 (backplane)

L16-DIO1{-PWM1}
LS-Bus
counter
CAN{-LS}

L16-DIO2{-PWM1}
LS-Bus
counter

L16-DIO3{-CO1}{-PWM1}
LS-Bus
counter

X-A20

CAN-1/2
RS232
LS bus
power supply
Analog-Digital
DIO
CNT

Gold with ENET/USB (Rev. B)

Gold, Rev. B1: CONN. 1...4
power supply

Gold, Rev. B2: CONN. 1...4
power supply

Gold, Rev. ≥B3: CONN. 1...4
power supply

Gold-D

ANALOG IN/OUT
DIO00-15 (IN) / 16-31 (OUT)
power supply

CO1, ..., CO4, CO POWER IN
COM1, COM2
CAN{-LS}

Gold II

ANALOG IN, ANALOG OUT
DIO00-15 (IN), DIO16-31 (OUT)
CO1, ..., CO4, CO POWER IN
CO1&2 (TTL), CO3&4 (TTL)
PWM1-6 (TTL)
COM1, COM2, CAN1, CAN2
PROFIBUS DP-V1
LS1, LS2 (LS bus)
power supply

Pro: ADC/DAC modules

AIn-32/1x (x = 2, 4, 6) (s.-e. / diff.)
AIn-8/1x-D (x = 2, 4, 6)
AIn-F-n/1x-D (n = 4, 8; x = 2, 4, 6)
AIn-16/14-C
AOut-n/16-D (n = 4, 8)
AO-16/8-12

Pro: DIO modules

DIO-32 (Rev. A, Rev. B)
OPT-16
REL-16
TRA-16
PWM-4{-I}
COMP-16

OPT-16 (with Phoenix connector)
TRA-16 (with Phoenix connector)

Pro: counter modules

CNT-VR4{-L}{-I}
CNT-16/16{-I}
CNT-8/32{-L/-I}

CO4{-T/-D/-I}
CNT-VR2PW2{-I}
CNT-PW4{-I}
CNT-16/32{-I}

Pro: EXT modules

PT100 (Lemo), PT100-n-D (n = 4, 8)
TC-n-J/-K/-D (n = 4, 8, 16)
MB-8{-D}, 5B/8B module sockets

RS-232, RS-422, RS-485
CAN{-LS}
PROFI-DP-SL
LS-2
INTER-SL

Pro: miscellaneous

Pro-Mini (power supply)
Pro-DC (power supply)
VG96 (backplane)

Pro II

AIn-32/18 (s.-e. / diff.)
AIn-8/18
AIn-16/18-8B
AIn-F-n/1x-D (n = 4, 8; x = 4, 6)
AIn-F-n/18-D (n = 4, 8)
AIn-16/18-C

RTD-8 (2/3/4 wire)
SG-4/18

AOut-n/16-D (n = 1, 4, 8)

OPT-16, OPT-32-24V
COMP-16
TRA-16{-G}
REL-16
DIO-32, DIO8-D12
PWM-16{-I}

MIO-4 (s.-e. / diff.)
MIO-4-ET1
MIO-D12

CNT{-T/-D/-I}

RS-232, RS-485, RS422-4
CAN{-LS}, LIN, FlexRay, PROFI-SL
ARINC-429
SENT-n{-OUT} (n= 4, 6)

SPI{-T/-D}

VG96 (backplane)
Pro II-DC (power supply)

adapter sets (AS1-AS10)

AS1, AS2, AS3, AS4, AS5,
AS6, AS7, AS8, AS9, AS10

cable sets (CS1-CS11)

CS1, CS2, CS3, CS4, CS5,
CS6, CS7, CS8, CS9, CS10, CS11

busses and comm. interfaces

RS-232 (9- & 25-pole), RS-4xx
USB
Ethernet (RJ-45)
ISA bus slot
PCI bus slot

Legende:

Around the schematically shown connector (either horizontally or vertically oriented) are the signal designators, according to the onion skin principle, arranged from inside to outside:

1. At differential signal comes first an indication of polarity – at single-ended signals (generally the digital I/Os with TTL level and the analog outputs) this is omitted.
 2. Subsequently follows the signal name. In case the signal name can be assigned to a function unit, i.e. a counter (C), an interface (SPI, SSI, ...), etc. the function unit will be named first immediately followed by the signal name in squared brackets.
 3. At connections with possibly multiple functions additional punctuation marks are applied indicating an AND or OR conjunction of those functions as well as indicating that an optional add-on might be required.
- , Separates signals, which are available at that pin simultaneously.
- / Separates signals, which are not(!) available simultaneously – OR function – i.e. either requires a hardware add-on or can be selected by software.
- (+) Positive or „+“ input at differential inputs.
- (-) Negative or „-“ input at differential inputs.
- [] Contains the signal name in case it belongs to a function unit.
- () Contains the signal name when available optionally, i.e. only through an add-on.
- : Indicates a range / a quantity, „from ... to ...“.

Abbreviations:

ADC	Analog to Digital Converter
AGND	Analog GrouND
ARINC	Aeronautical Radio INCorporated
CAN	Controller Area Network
CLK	CLocK (Takt)
CLR	CLeaR (Löschen)
CMP	CoMParator
Cn	Counter (Zähler), n = # des Zählers
DAC	Digital to Analog Converter
DGND	Digital GrouND
DIN	Digital INput
DIO	Digital Input/Output
DIR	DIRection
DOUT	Digital OUTput
DTA	DaTA
GND	GrouND
LIN	Local Interconnect Network
LT	LaTch
MISO	Master In Slave Out
MOSI	Master Out Slave In
n.c.	not connected
PW	Pulse Width (counter input)
PWM	Pulse Width Modulation
PWMOUT	Pulse Width Modulation OUTput
SCLK	Serial CLocK
SENT	Single Ended Nibble Transmission
SGND	Signal GrouND
SHIGH	Signal HIGH
SLOW	Signal LOW
SPI	Serial Peripheral Interface
TTL	Transistor-Transistor Logik
WDOUT	WatchDog OUTput

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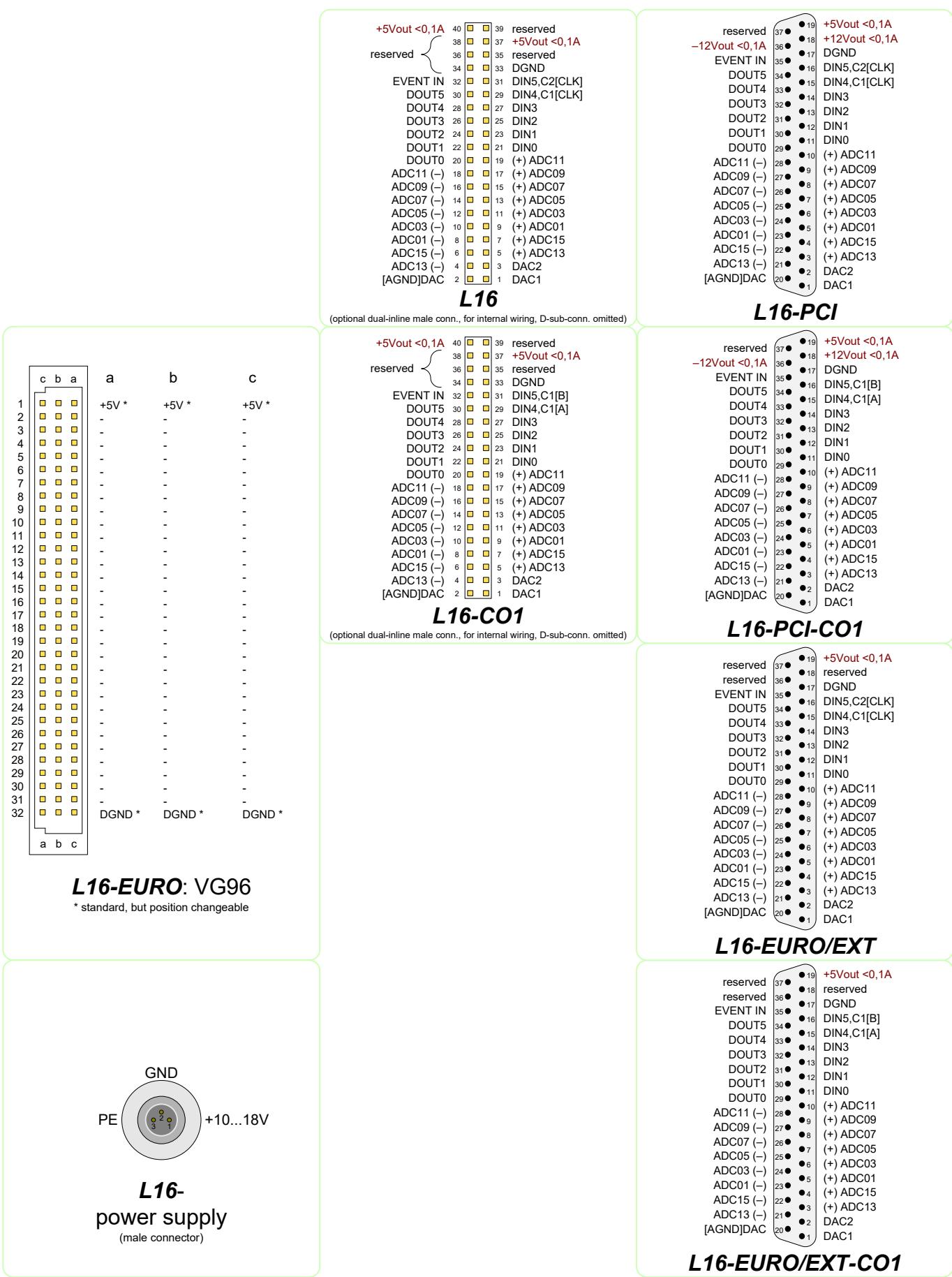
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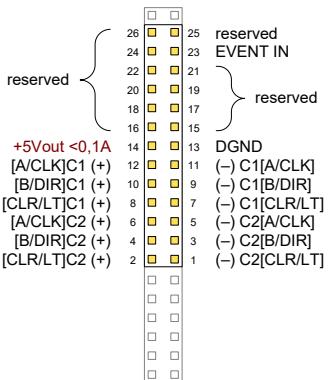
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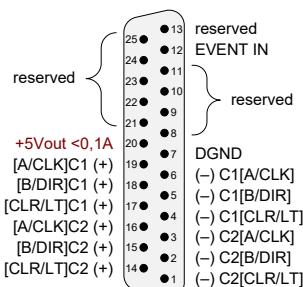
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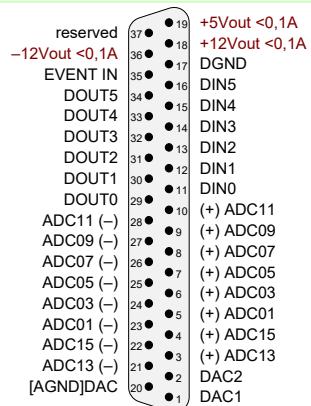




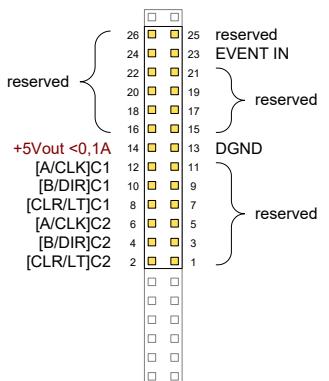
L16-DIO1: Counter (diff.)
(dual-inline male connector)



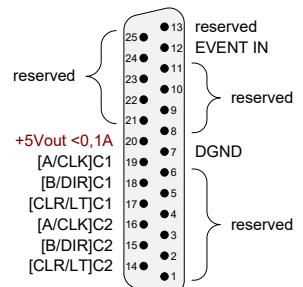
L16-DIO1: Counter (diff.)



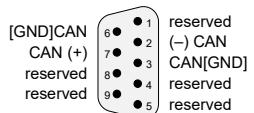
L16-PCI-DIO1



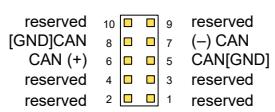
L16-DIO1: Counter (s.-e.)
(dual-inline male connector)



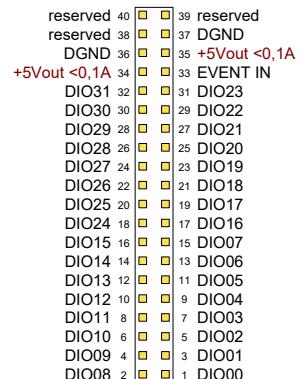
L16-DIO1: Counter (s.-e.)



L16-DIO1: CAN
(male connector)

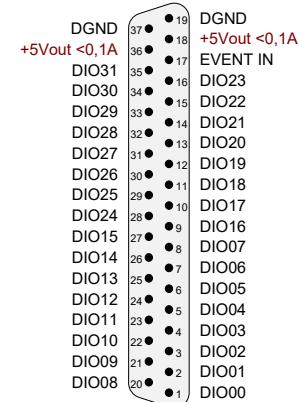


L16-DIO1: CAN
(dual-inline male connector)

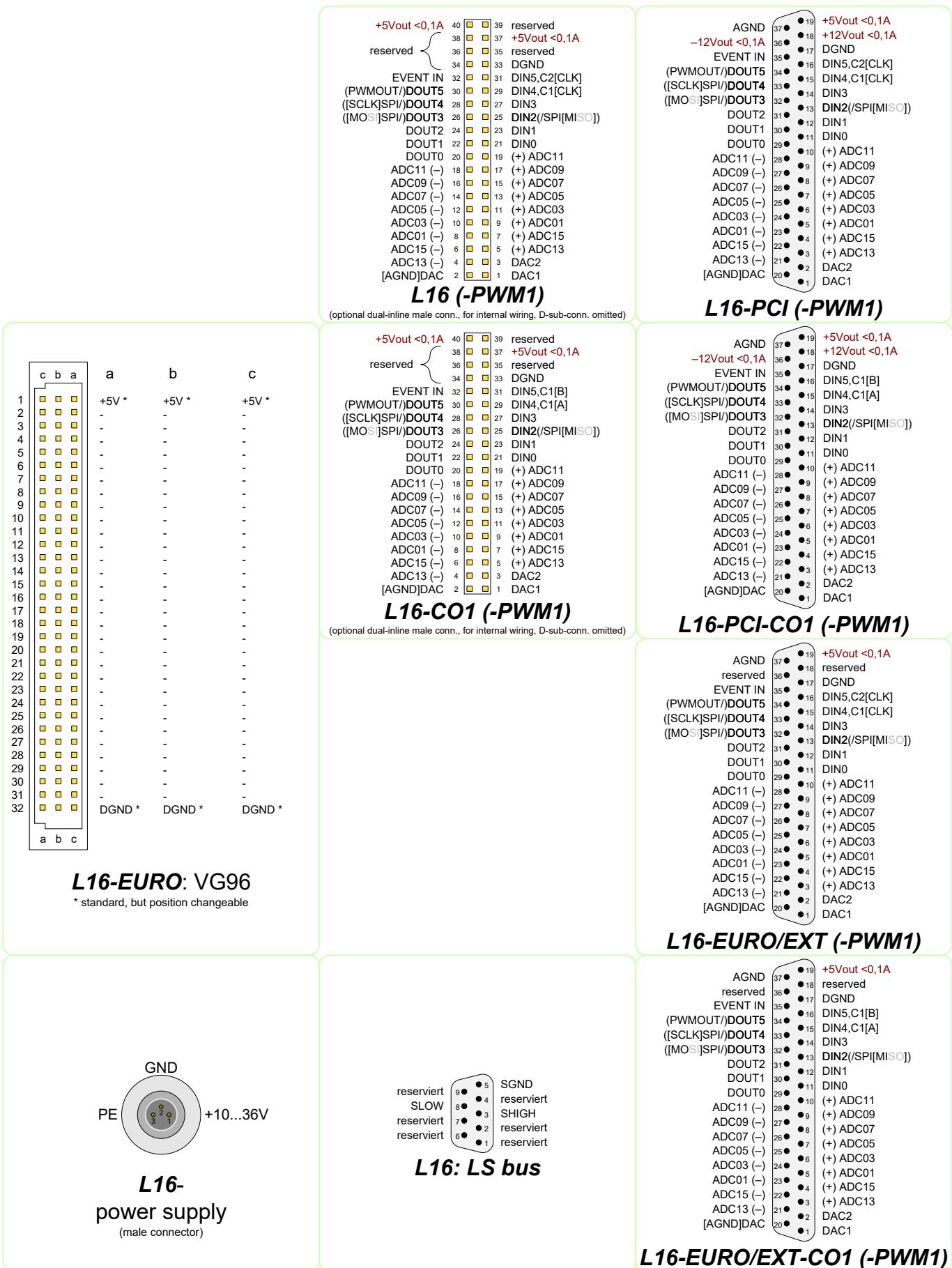


L16-DIO1: DIO

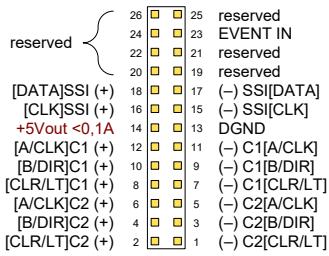
L16-EURO/EXT-DIO1



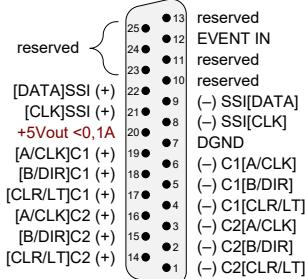
L16-DIO1: DIO



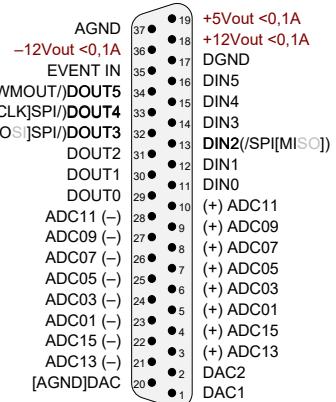
ADwin-light-16, Rev. B (with DIO1)



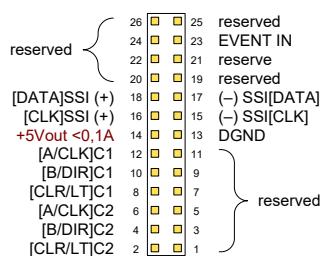
L16-DIO1: Counter (diff.)
(dual-inline male connector)



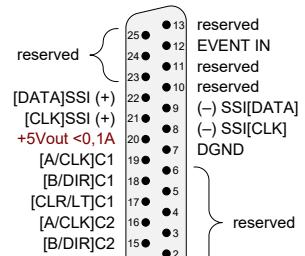
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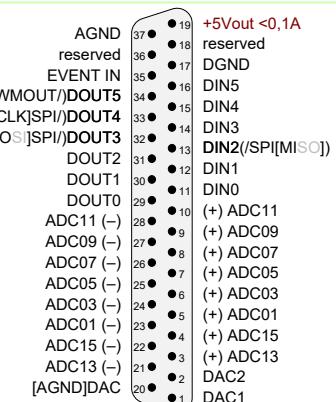
L16-PCI-DIO1 (-PWM1)



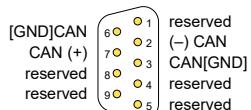
L16-DIO1: Counter (s.-e.)
(dual-inline male connector)



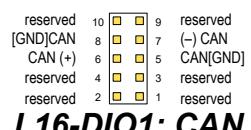
L16-DIO1: Counter (s.-e.)



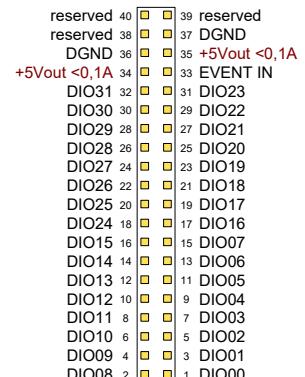
L16-EURO/EXT-DIO1 (-PWM1)



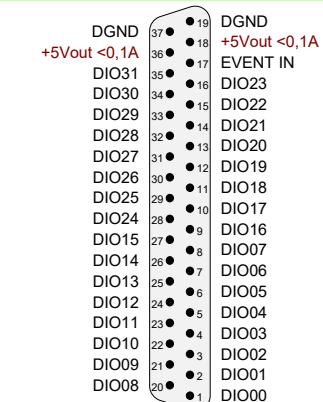
L16-DIO1: CAN
(male connector)



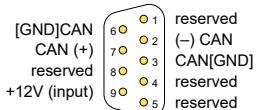
L16-DIO1: CAN
(dual-inline male connector)



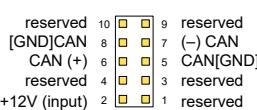
L16-DIO1: DIO



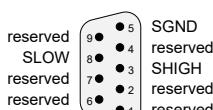
L16-DIO1: DIO



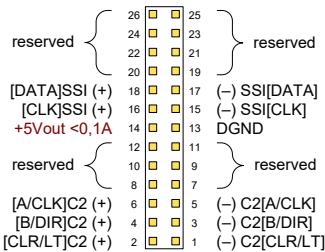
L16-DIO1-LS: CAN-LS
(male connector)



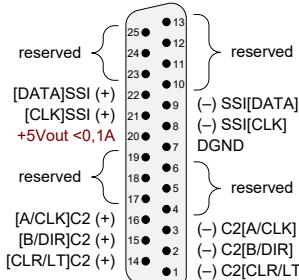
L16-DIO1-LS: CAN-LS
(dual-inline male connector)



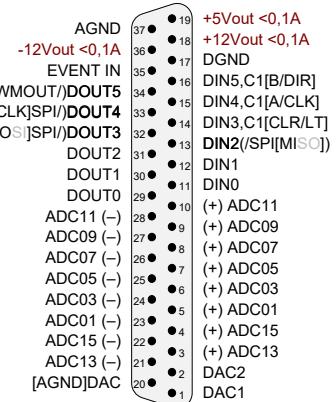
L16: LS bus



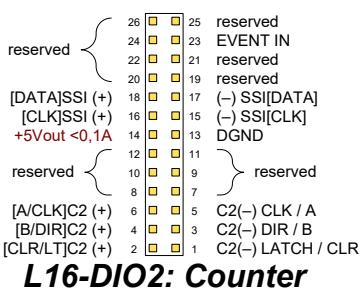
L16-DIO2: Counter
(dual-inline male connector)



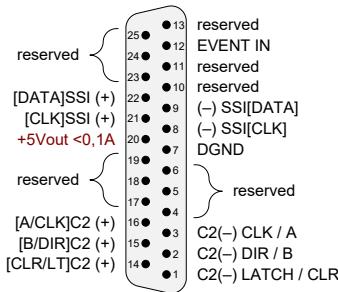
L16-DIO2: Counter (diff.)



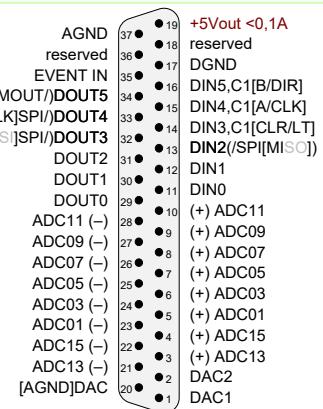
L16-PCI-DIO2 (-PWM1)



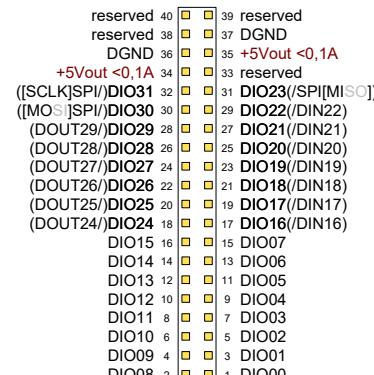
L16-DIO2: Counter
(dual-inline male connector)



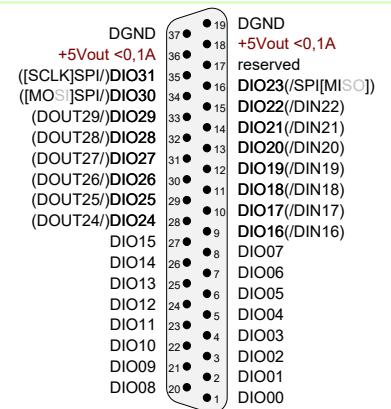
L16-DIO2: Counter



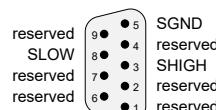
L16-EURO/EXT-DIO2 (-PWM1)



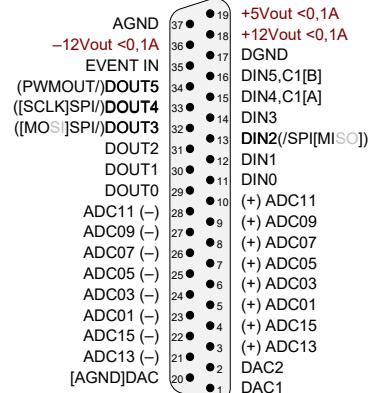
L16-DIO2 (-PWM1): DIO
(dual-inline male connector)



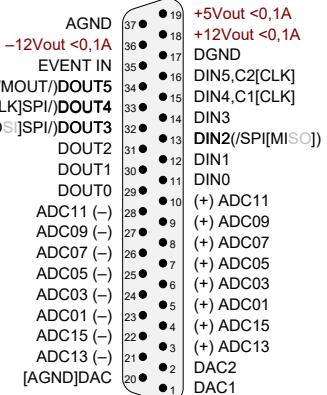
L16-DIO2 (-PWM1): DIO



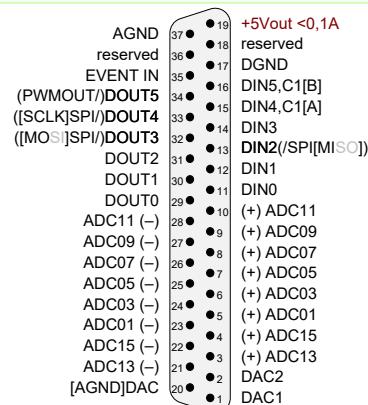
L16: LS bus



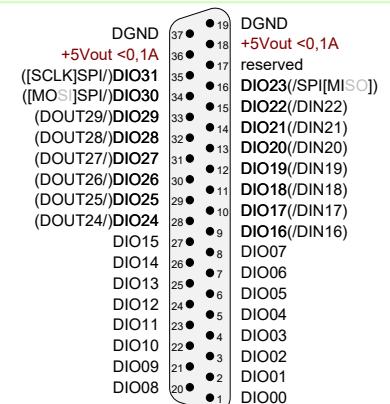
L16-PCI-C01-DIO3 (-PWM1)



L16-PCI-DIO3 (-PWM1)



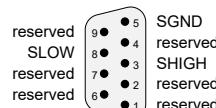
L16-EURO/EXT-C01-DIO3 (-PWM1) L16-EURO/EXT-DIO3 (-PWM1)



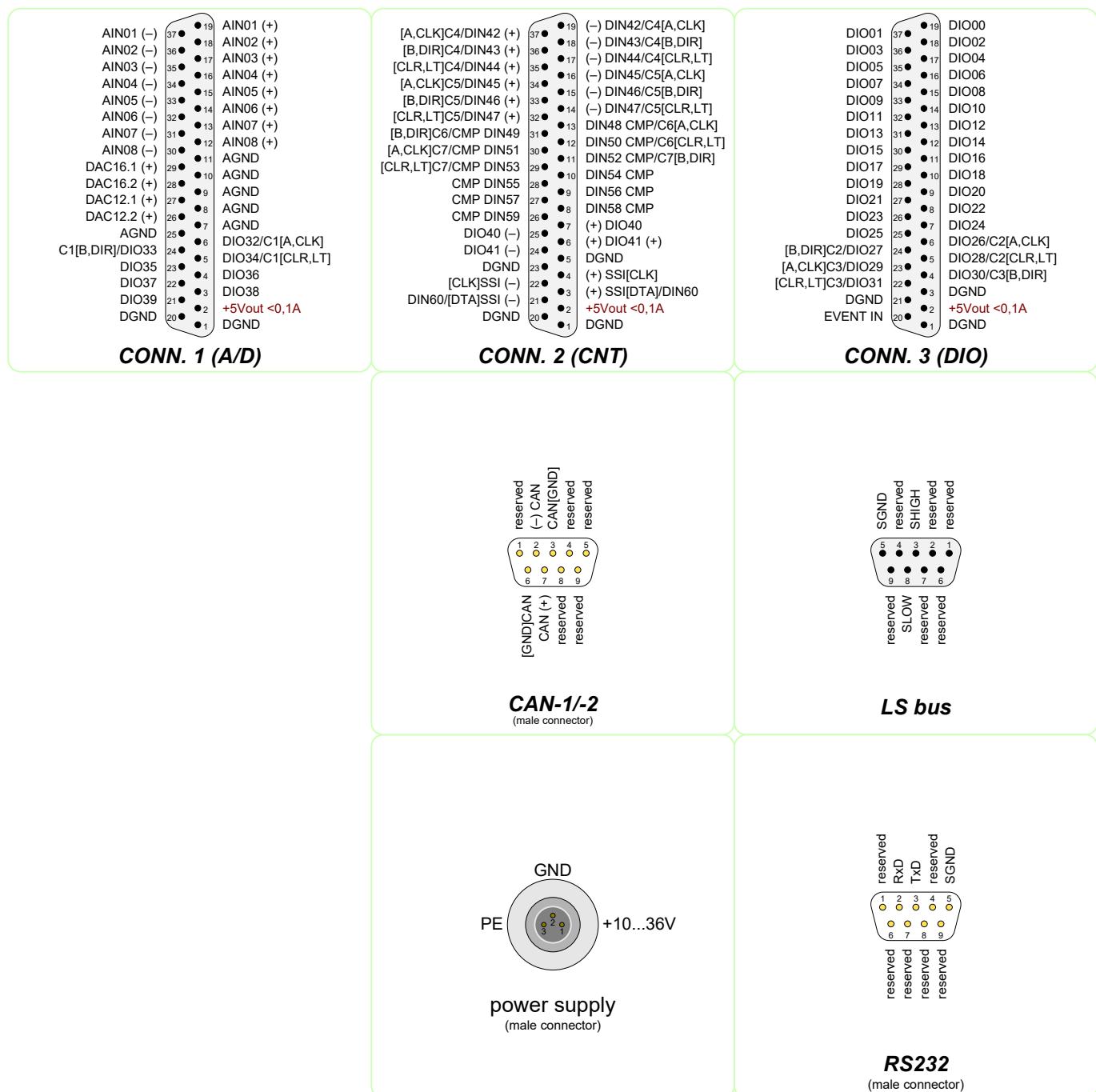
L16-DIO3 (-PWM1): DIO

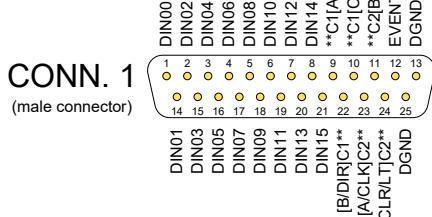
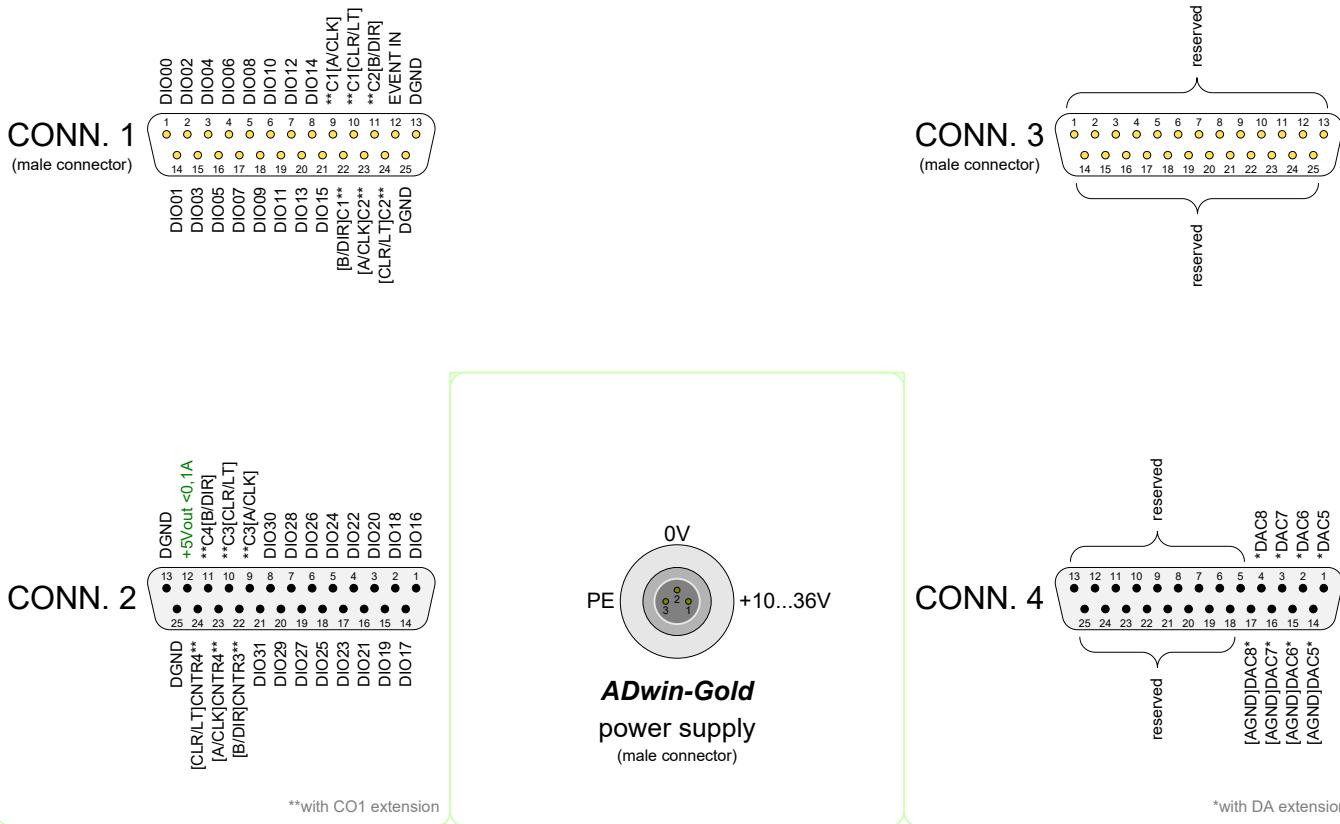
(dual-inline male connector)

L16-DIO3 (-PWM1): DIO

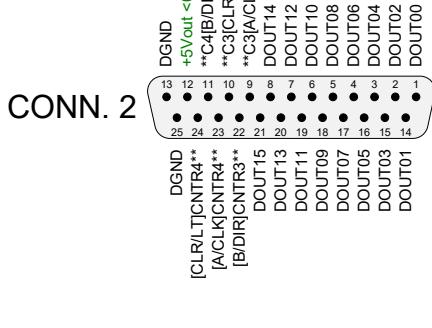


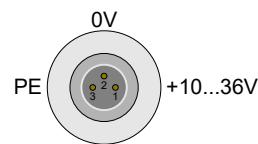
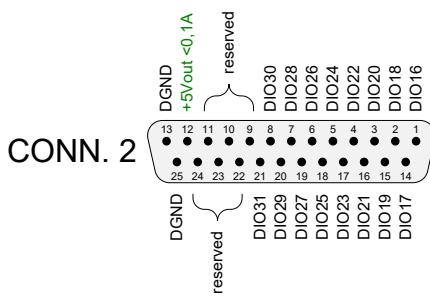
L16: LS bus



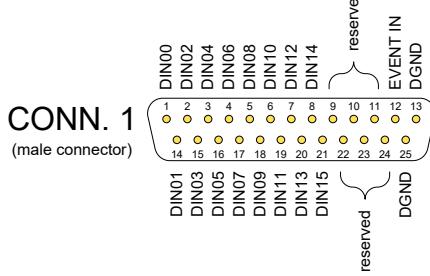
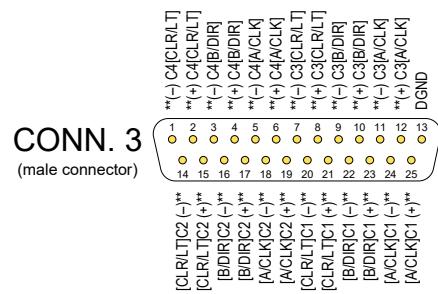


with CONF_DIO(12)

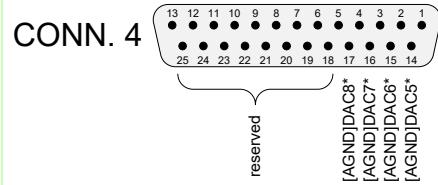
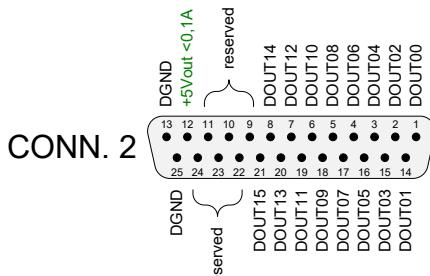




Adwin-Gold
power supply
(male connector)

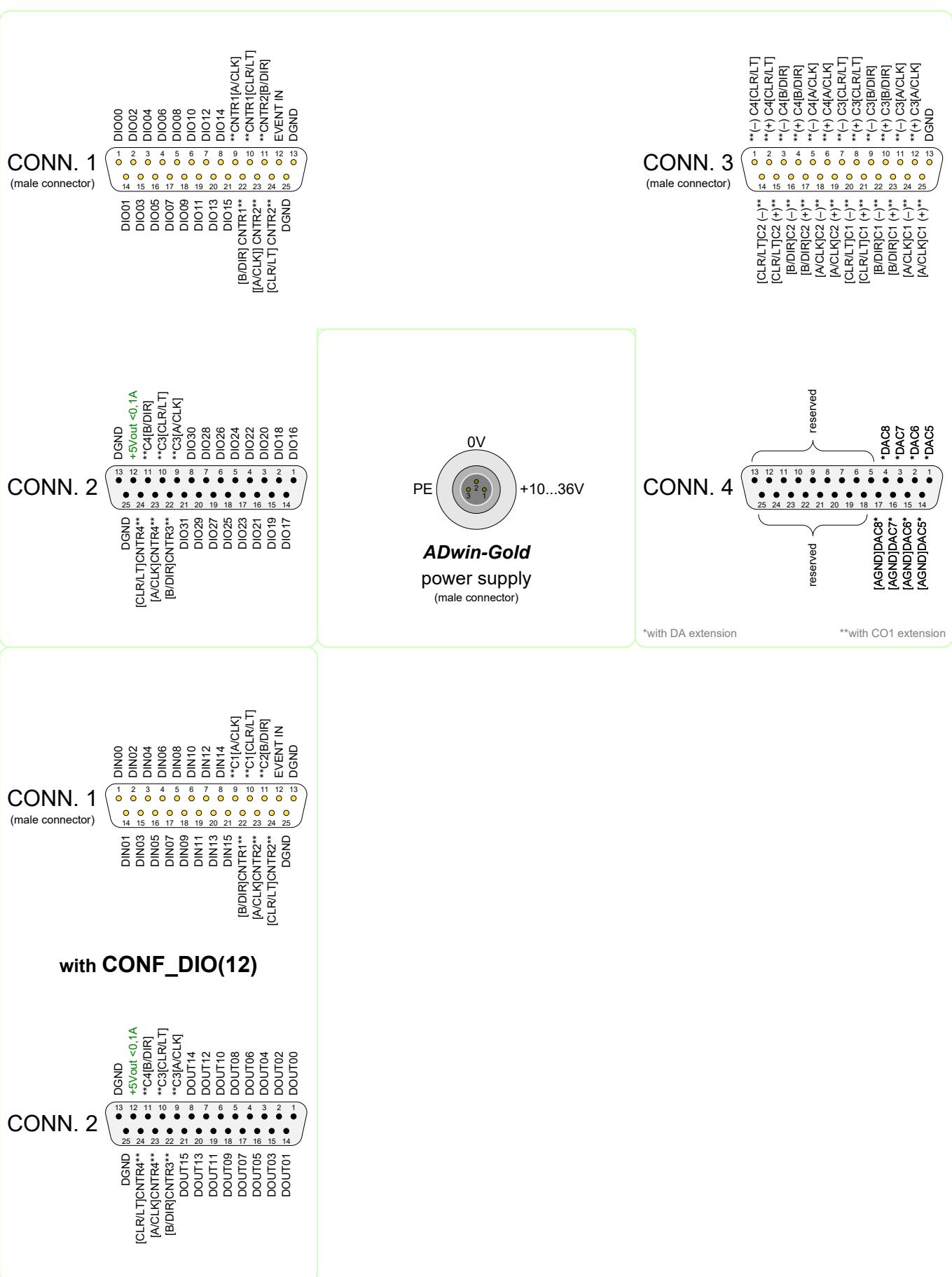


with CONF_DIO(12)

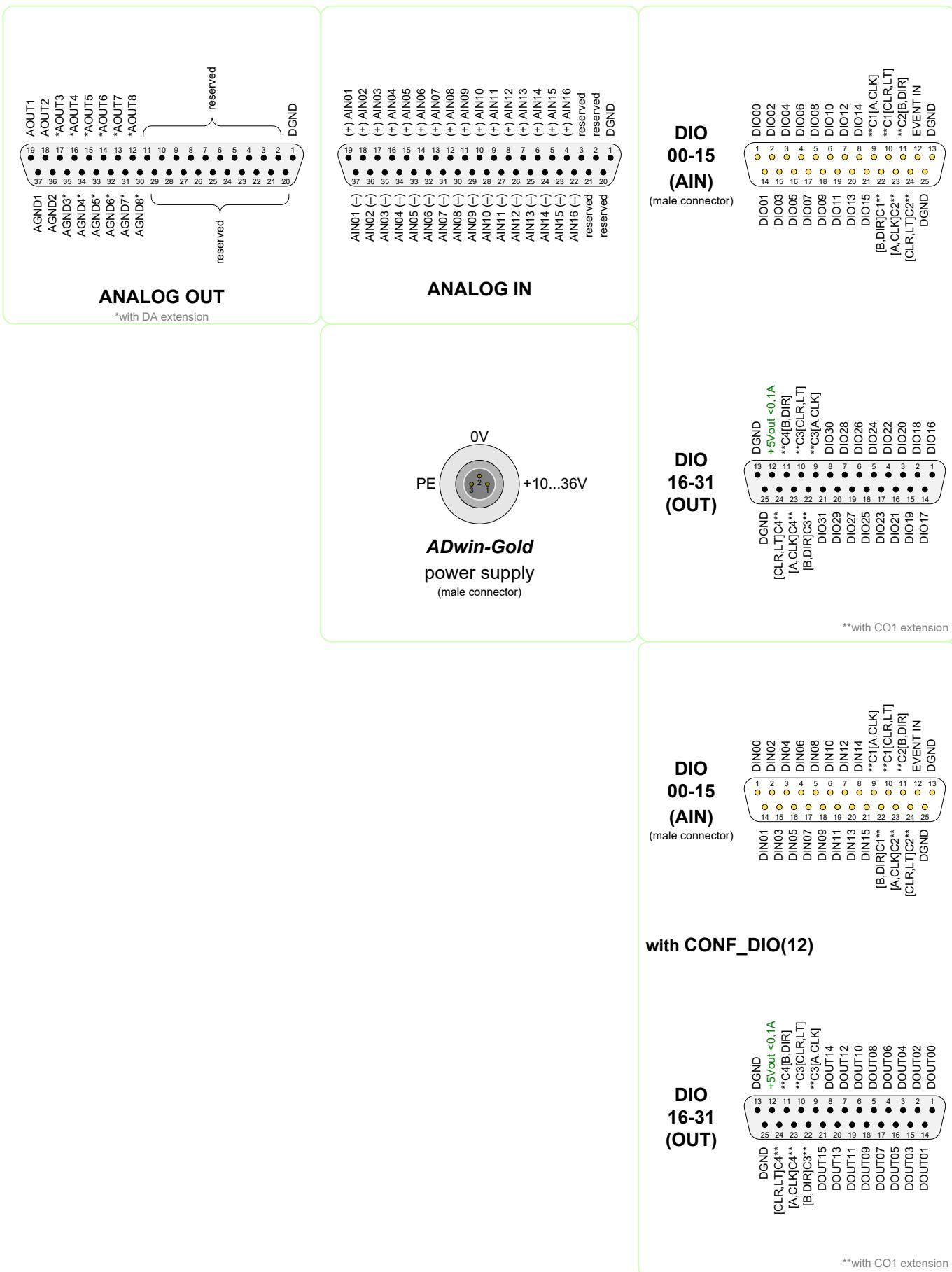


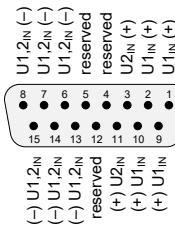
*with DA extension

**with CO1 extension



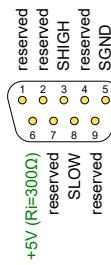
ADwin-Gold-D



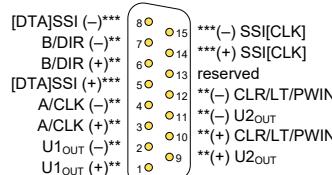


****CO POWER IN**

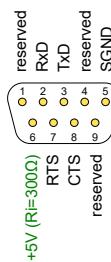
with CO1 extension *with CAN extension



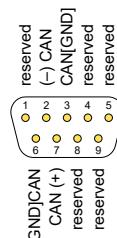
*****COM1, ***COM2**
(RS485) (*Stecker*)



****CO1, ..., CO4**
(male connector)

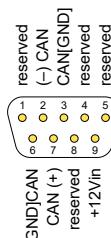


*****COM1, ***COM2**
(RS232) (*male connector*)

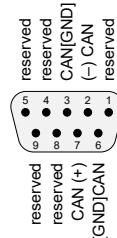


*****CAN 1.1 & ***CAN 2**
(male connector)

***with CAN extension

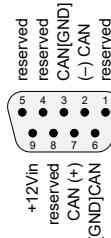


*****CAN-LS 1.1 & 2**
(male connector)



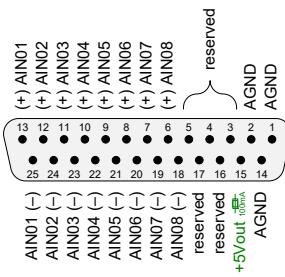
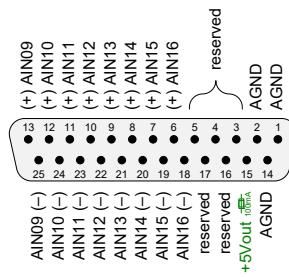
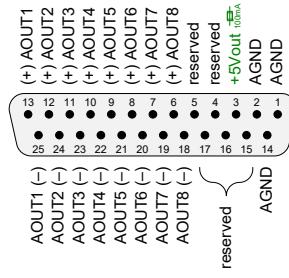
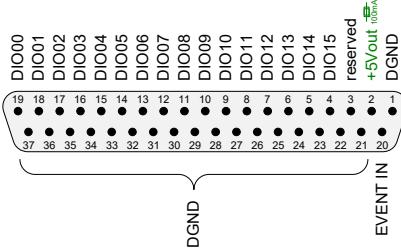
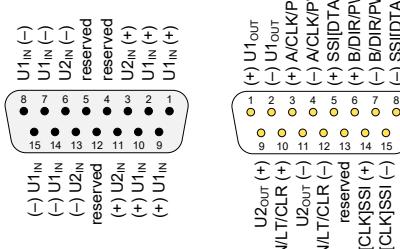
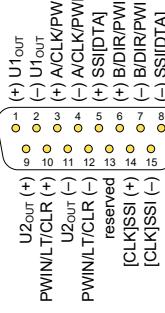
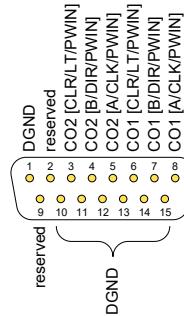
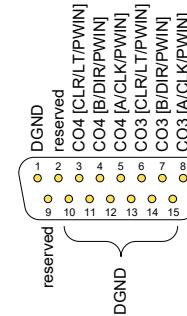
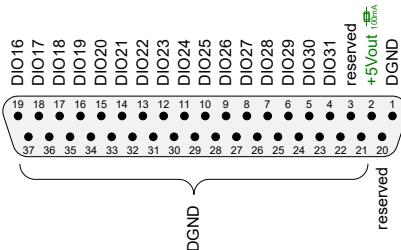
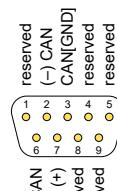
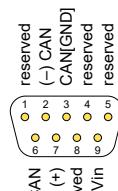
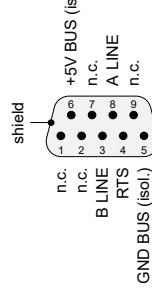
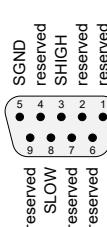
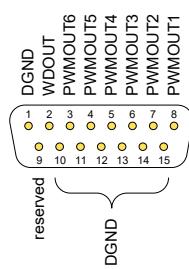
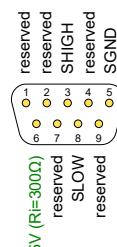
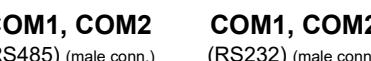
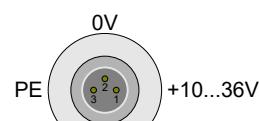
*****CAN 1.2**

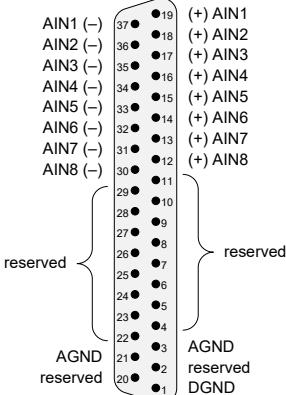
***with CAN extension



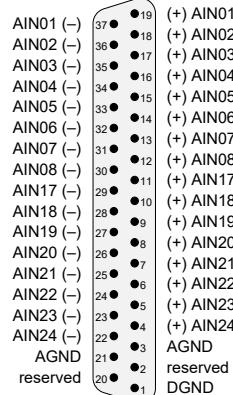
*****CAN LS 1.2**

Adwin-Gold II

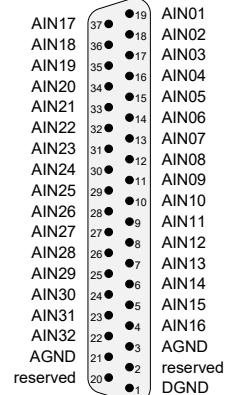

ANALOG IN (1-8)

ANALOG IN (9-16)

ANALOG OUT

DIO00-15 (IN)

CO POWER IN

**CO1, ..., CO4
(male connector)**

CO1&CO2 (TTL)

**CO3&CO4 (TTL)
(male connector)**

DIO16-31 (OUT)

**CAN 1&2
(male connector)**

**CAN-LS 1&2
(male connector)**

PROFIBUS DP-V1

LS 1&2

**PWM1-6 (TTL)
(male connector)**

**COM1, COM2
(RS485) (male conn.)**

**COM1, COM2
(RS232) (male conn.)**

**power supply
(male connector)**



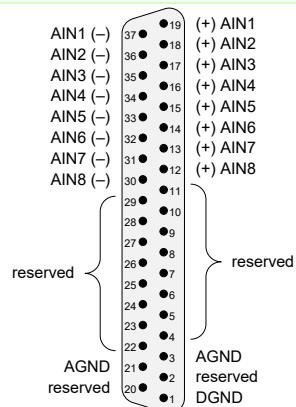
AIn-8/1x-D (with x=2, 4, 6)



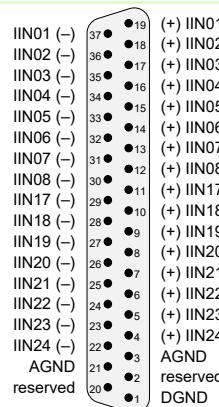
AIn-32/1x diff. (with x=2, 4, 6)



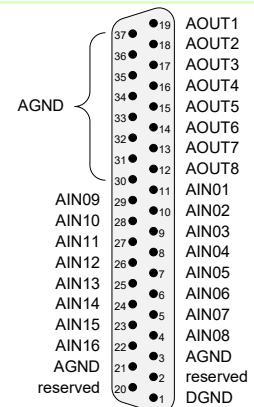
AIn-32/1x s.-e. (with x=2, 4, 6)



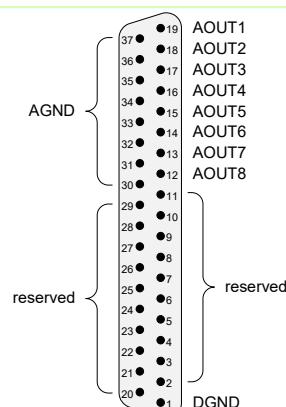
AIn-F-8/1x-D (with x=2, 4, 6)



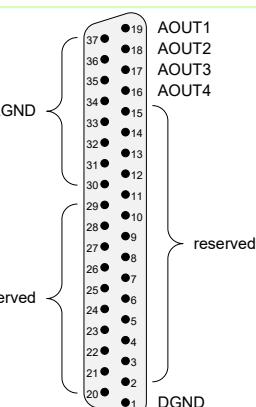
AIn-16/14-C



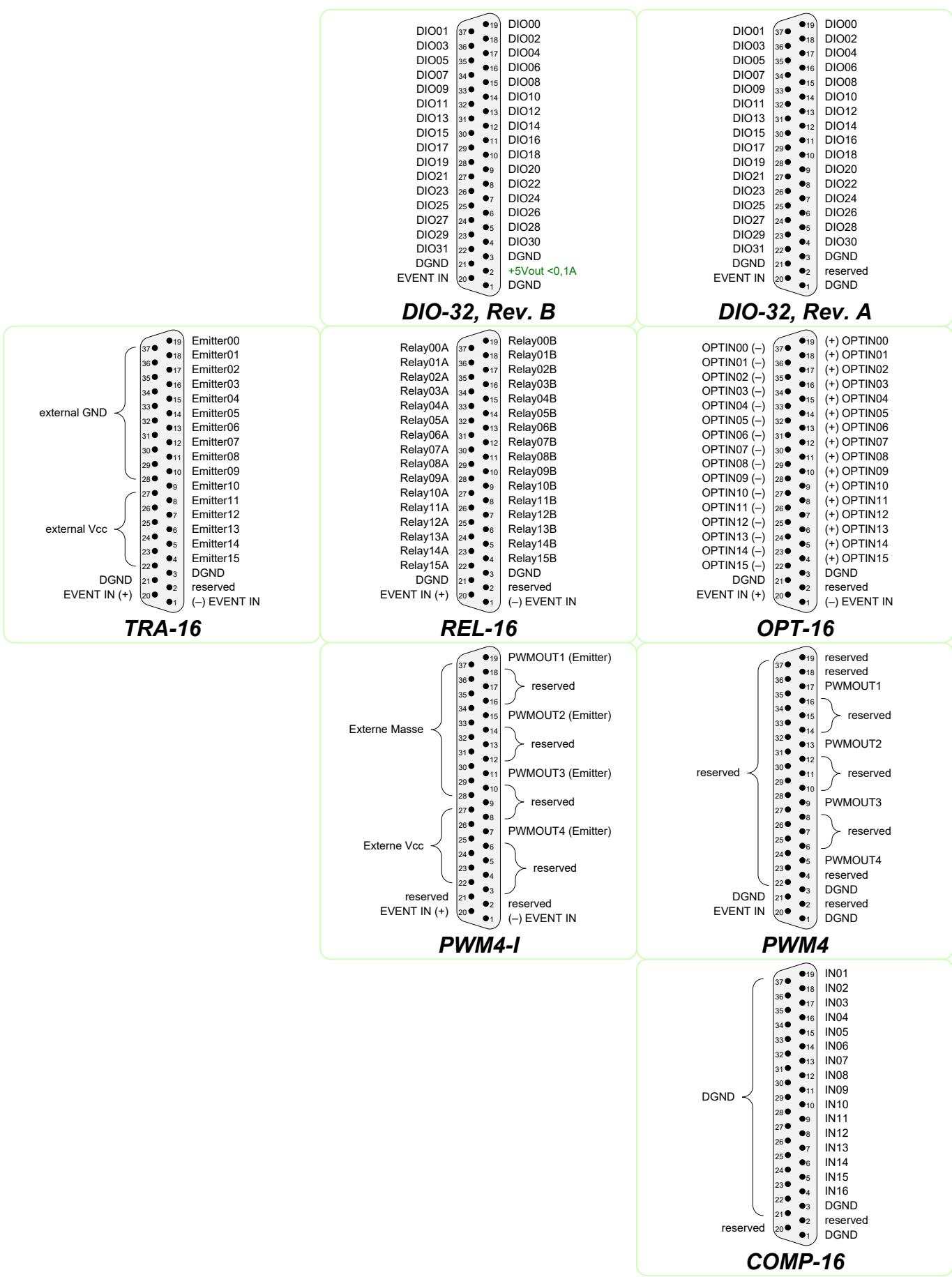
AO-16/8-12

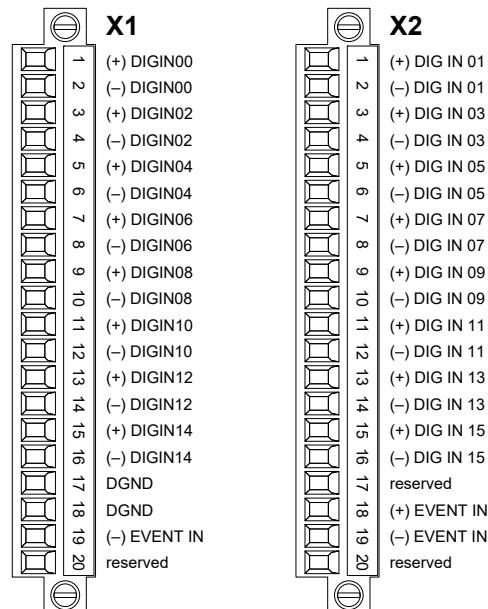


AOut-8/16-D



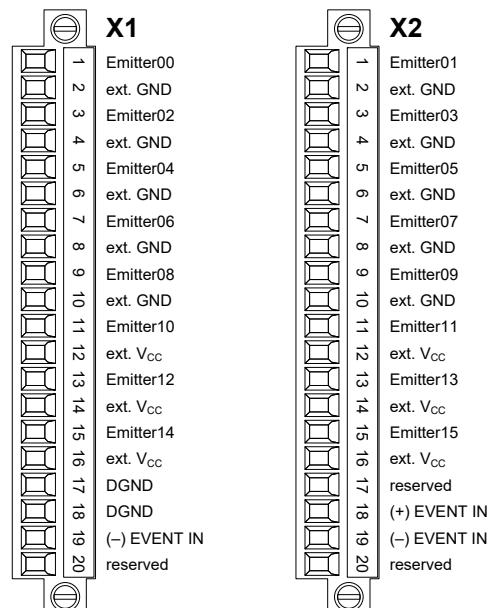
AOut-4/16-D





OPT-16

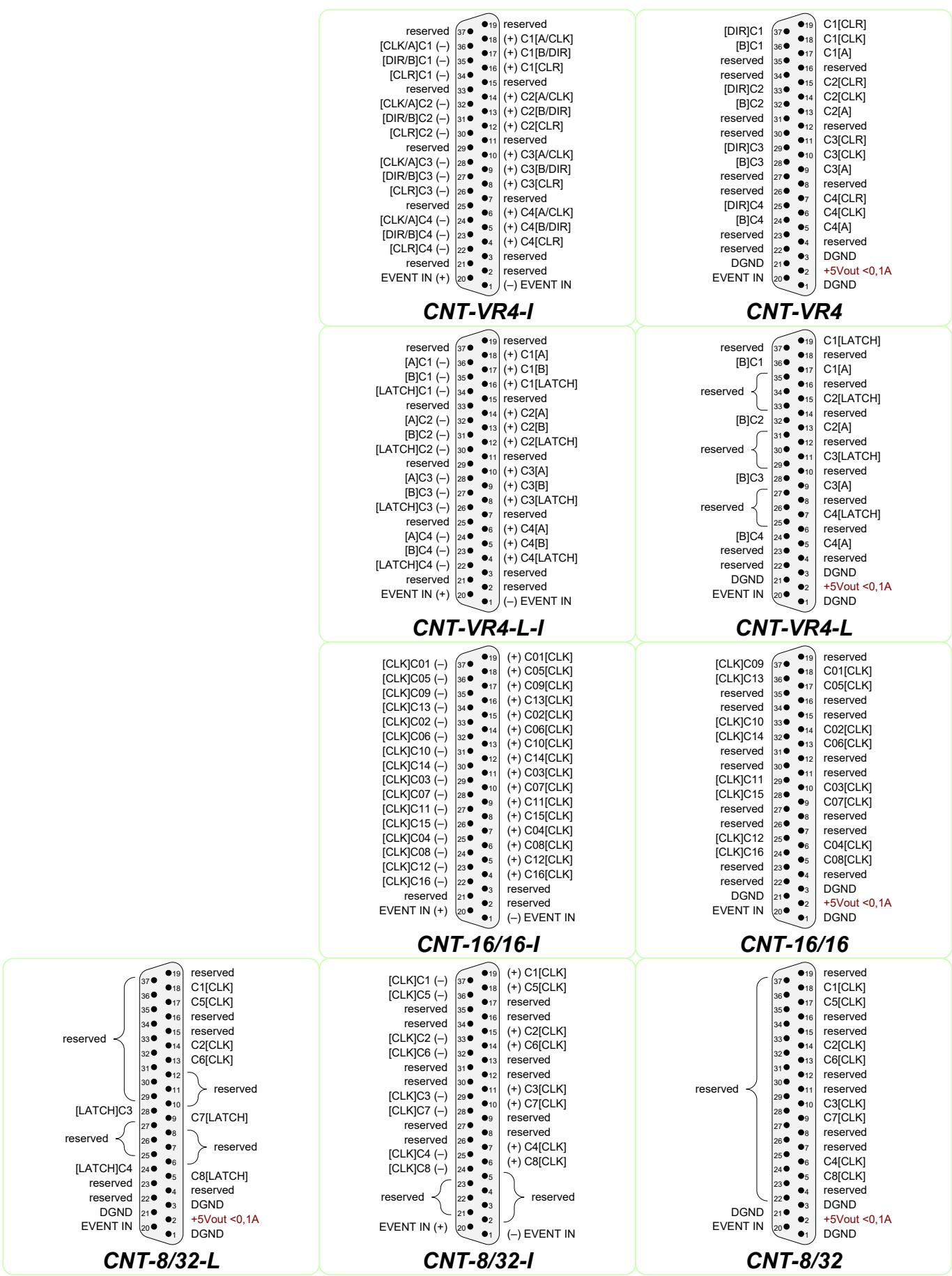
build-in male connector: Phoenix, MCV 1,5/20-GF-3,5
counter part connector: Phoenix, MC 1,5/20-STF-3,5



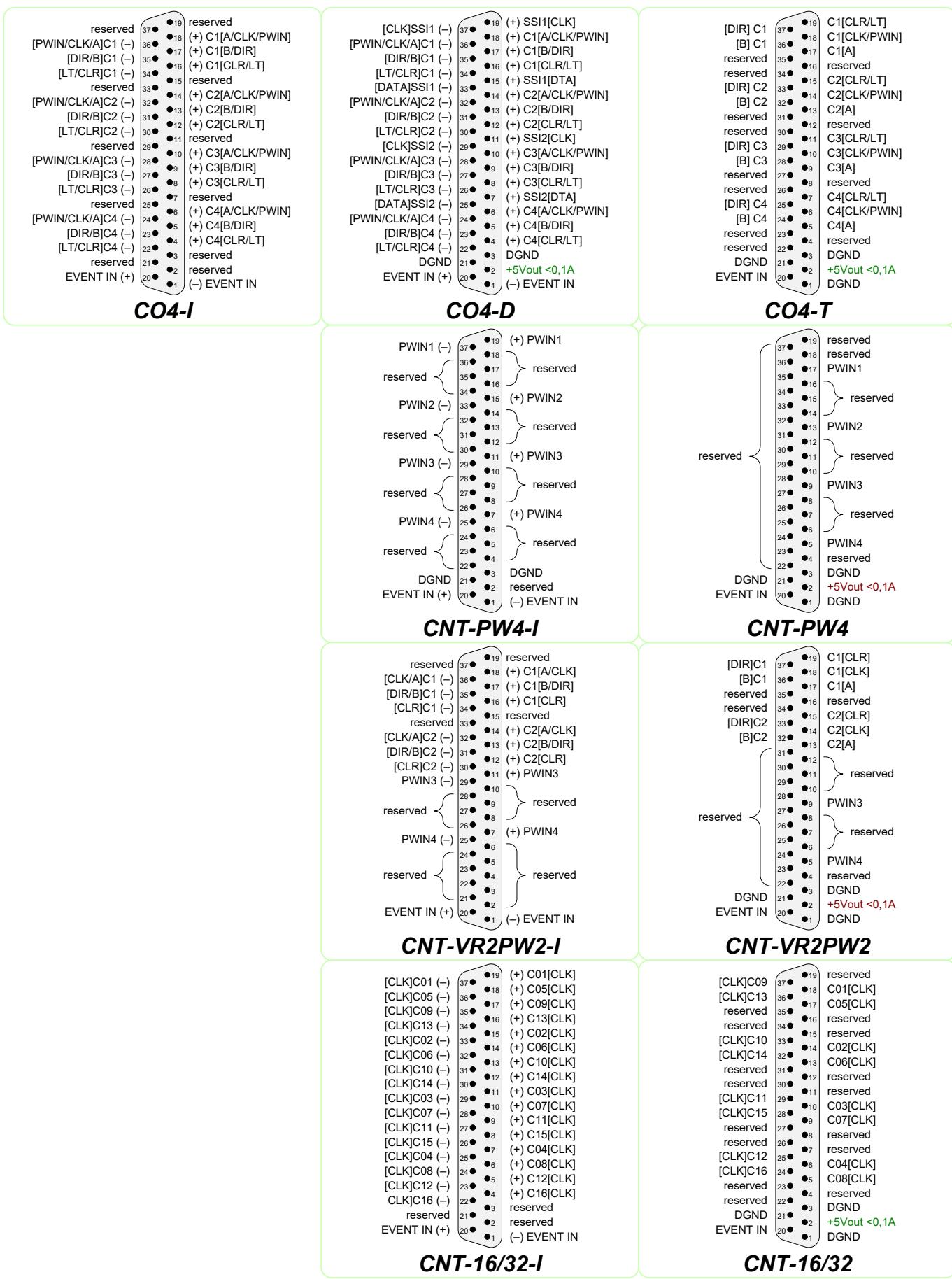
TRA-16

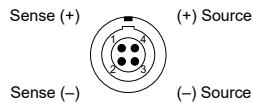
build-in male connector: Phoenix, MCV 1,5/20-GF-3,5
counter part connector: Phoenix, MC 1,5/20-STF-3,5

Adwin-Pro – counter modules



ADwin-Pro – counter modules



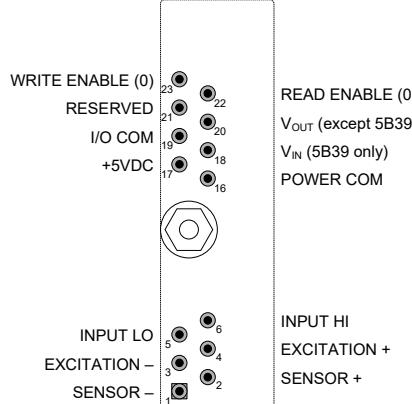


PT100

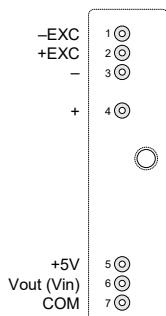
matching cable connector (male):
LEMO, series B, type FGG

TC01 (-)	37 ●	● 19	(+) TC01
TC02 (-)	36 ●	● 18	(+) TC02
TC03 (-)	35 ●	● 17	(+) TC03
TC04 (-)	34 ●	● 16	(+) TC04
TC05 (-)	33 ●	● 15	(+) TC05
TC06 (-)	32 ●	● 14	(+) TC06
TC07 (-)	31 ●	● 13	(+) TC07
TC08 (-)	30 ●	● 12	(+) TC08
TC09 (-)	29 ●	● 11	(+) TC09
TC10 (-)	28 ●	● 10	(+) TC10
TC11 (-)	27 ●	● 9	(+) TC11
TC12 (-)	26 ●	● 8	(+) TC12
TC13 (-)	25 ●	● 7	(+) TC13
TC14 (-)	24 ●	● 6	(+) TC14
TC15 (-)	23 ●	● 5	(+) TC15
TC16 (-)	22 ●	● 4	(+) TC16
reserved	21 ●	● 3	
reserved	20 ●	● 2	
		● 1	

TC-16-J(/K)-D



5B module socket
(standard identifier)



8B module socket
(standard identifier)

Sense1 (+)	37 ●	● 19	(+) Source 1
Source1 (-)	36 ●	● 18	(-) Sense 1
Sense2 (+)	35 ●	● 17	(+) Source 2
Source2 (-)	34 ●	● 16	(-) Sense 2
Sense3 (+)	33 ●	● 15	(+) Source 3
Source3 (-)	32 ●	● 14	(-) Sense 3
Sense4 (+)	31 ●	● 13	(+) Source 4
Source4 (-)	30 ●	● 11	(-) Sense 4
Sense5 (+)	29 ●	● 10	(+) Source 5
Source5 (-)	28 ●	● 9	(-) Sense 5
Sense6 (+)	27 ●	● 8	(+) Source 6
Source6 (-)	26 ●	● 7	(-) Sense 6
Sense7 (+)	25 ●	● 6	(-) Sense 7
Source7 (-)	24 ●	● 5	(+) Source 8
Sense8 (+)	23 ●	● 4	(-) Sense 8
Source8 (-)	22 ●	● 3	AGND
AGND	21 ●	● 2	reserved
reserved	20 ●	● 1	DGND

PT100-8-D

TC1 (-)	37 ●	● 19	(+) TC1
TC2 (-)	36 ●	● 18	(+) TC2
TC3 (-)	35 ●	● 17	(+) TC3
TC4 (-)	34 ●	● 16	(+) TC4
TC5 (-)	33 ●	● 15	(+) TC5
TC6 (-)	32 ●	● 14	(+) TC6
TC7 (-)	31 ●	● 13	(+) TC7
TC8 (-)	30 ●	● 12	(+) TC8
reserved	29 ●	● 11	
reserved	28 ●	● 10	
reserved	27 ●	● 9	
reserved	26 ●	● 8	
reserved	25 ●	● 7	
reserved	24 ●	● 6	
reserved	23 ●	● 5	
reserved	22 ●	● 4	
reserved	21 ●	● 3	
reserved	20 ●	● 1	

TC-8-J(/K)-D

IOCOM1	37 ●	● 19	V _{OUT(V_{IN})1}
IOCOM2	36 ●	● 18	V _{OUT(V_{IN})2}
IOCOM3	35 ●	● 17	V _{OUT(V_{IN})3}
IOCOM4	34 ●	● 16	V _{OUT(V_{IN})4}
IOCOM5	33 ●	● 15	V _{OUT(V_{IN})5}
IOCOM6	32 ●	● 14	V _{OUT(V_{IN})6}
IOCOM7	31 ●	● 13	V _{OUT(V_{IN})7}
IOCOM8	30 ●	● 12	V _{OUT(V_{IN})8}
reserved	29 ●	● 11	
reserved	28 ●	● 10	
reserved	27 ●	● 9	
reserved	26 ●	● 8	
reserved	25 ●	● 7	
reserved	24 ●	● 6	
reserved	23 ●	● 5	
reserved	22 ●	● 4	
reserved	21 ●	● 3	
reserved	20 ●	● 1	

MB-8?-D module output

Sense 1 (+)	37 ●	● 19	(+) Source 1
Source 1 (-)	36 ●	● 18	(-) Sense 1
Sense 2 (+)	35 ●	● 17	(+) Source 2
Source 2 (-)	34 ●	● 16	(-) Sense 2
Sense 3 (+)	33 ●	● 15	(+) Source 3
Source 3 (-)	32 ●	● 14	(-) Sense 3
Sense 4 (+)	31 ●	● 13	(+) Source 4
Source 4 (-)	30 ●	● 11	(-) Sense 4
reserved	29 ●	● 10	
reserved	28 ●	● 9	
reserved	27 ●	● 8	
reserved	26 ●	● 7	
reserved	25 ●	● 6	
reserved	24 ●	● 5	
reserved	23 ●	● 4	
AGND	22 ●	● 3	
reserved	21 ●	● 2	
AGND	20 ●	● 1	

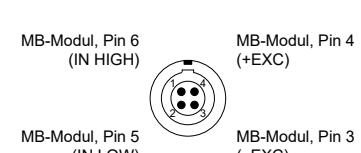
PT100-4-D

TC1 (-)	37 ●	● 19	(+) TC1
TC2 (-)	36 ●	● 18	(+) TC2
TC3 (-)	35 ●	● 17	(+) TC3
TC4 (-)	34 ●	● 16	(+) TC4
TC5 (-)	33 ●	● 15	(+) TC5
TC6 (-)	32 ●	● 14	(+) TC6
TC7 (-)	31 ●	● 13	(+) TC7
TC8 (-)	30 ●	● 12	(+) TC8
reserved	29 ●	● 11	
reserved	28 ●	● 10	
reserved	27 ●	● 9	
reserved	26 ●	● 8	
reserved	25 ●	● 7	
reserved	24 ●	● 6	
reserved	23 ●	● 5	
reserved	22 ●	● 4	
reserved	21 ●	● 3	
reserved	20 ●	● 1	

TC-4-J(/K)-D

Sensor1 (-)	37 ●	● 19	(+) Sensor1
Excitation1 (-)	36 ●	● 18	(+) Excitation1
Sensor2 (-)	35 ●	● 17	(+) Sensor2
Excitation2 (-)	34 ●	● 16	(+) Excitation2
Sensor3 (-)	33 ●	● 15	(+) Sensor3
Excitation3 (-)	32 ●	● 14	(+) Excitation3
Sensor4 (-)	31 ●	● 13	(+) Sensor4
Excitation4 (-)	30 ●	● 12	(+) Excitation4
Sensor5 (-)	29 ●	● 11	(+) Sensor5
Excitation5 (-)	28 ●	● 10	(+) Excitation5
Sensor6 (-)	27 ●	● 9	(+) Sensor6
Excitation6 (-)	26 ●	● 8	(+) Excitation6
Sensor7 (-)	25 ●	● 7	(+) Sensor7
Excitation7 (-)	24 ●	● 6	(+) Excitation7
Sensor8 (-)	23 ●	● 5	(+) Sensor8
Excitation8 (-)	22 ●	● 4	(+) Excitation8
reserved	21 ●	● 3	
reserved	20 ●	● 1	

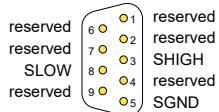
MB-8-D? module input



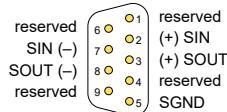
MB-8-L?

matching cable connector (male):
LEMO, series B, type FGG

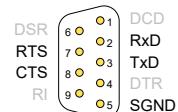
ADwin-Pro – EXT modules



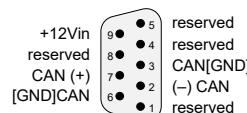
RS485 legend:
SHIGH - Signal High
SGND - Signal Ground
SLOW - Signal Low



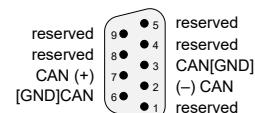
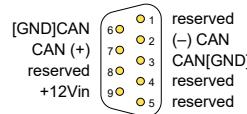
RS422 legend:
SIN - Signal In
SOUT - Signal Out
SGND - Signal Ground



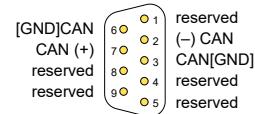
RS232 legend:
DCD - Data Carrier Detect
RxD - Receive Data
TxD - Transmit Data
DTR - Data Terminal Ready
SGND - Signal Ground
DSR - Data Set Ready
RTS - Request To Send
CTS - Clear To Send
RI - Ring Indicator



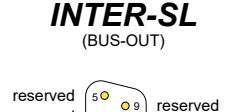
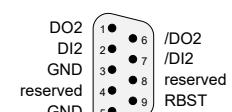
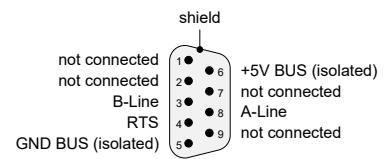
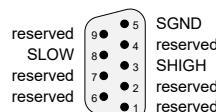
CAN-LS

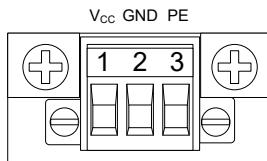


CAN

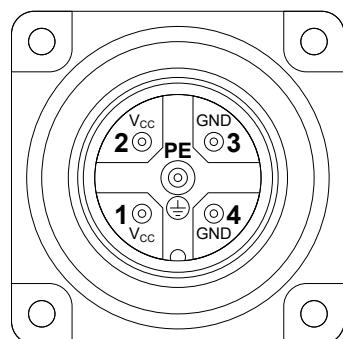


CAN
(male connector)





Pro-Mini (power supply)

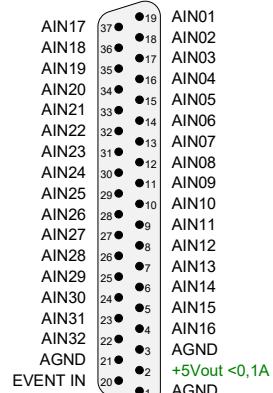
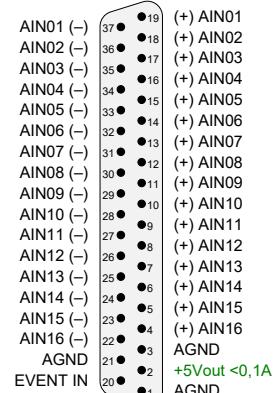
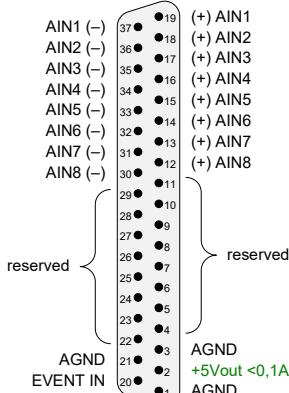


Pro-DC connector (power supply)

	a	b	c
1	+5V	-	-
2	-	-	-
3	-	-	-
4	-	-	-
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	-	-	-
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-
29	-	-	-
30	-	-	-
31	-	-	-
32	DGND	DGND	DGND

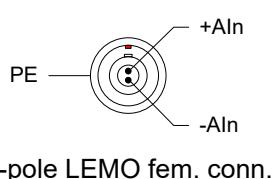
ADwin-Pro, VG96
(backplane)

Adwin-Pro II – ADC modules



Excitation01 (-)	20 ○	○ 1	(+) Excitation01
Sensor01 (-)	21 ○	○ 2	(+) Sensor01
Excitation02 (-)	22 ○	○ 3	(+) Excitation02
Sensor02 (-)	23 ○	○ 4	(+) Sensor02
Excitation03 (-)	24 ○	○ 5	(+) Excitation03
Sensor03 (-)	25 ○	○ 6	(+) Sensor03
Excitation04 (-)	26 ○	○ 7	(+) Excitation04
Sensor04 (-)	27 ○	○ 8	(+) Sensor04
Excitation05 (-)	28 ○	○ 9	(+) Excitation05
Sensor05 (-)	29 ○	○ 10	(+) Sensor05
Excitation06 (-)	30 ○	○ 11	(+) Excitation06
Sensor06 (-)	31 ○	○ 12	(+) Sensor06
Excitation07 (-)	32 ○	○ 13	(+) Excitation07
Sensor07 (-)	33 ○	○ 14	(+) Sensor07
Excitation08 (-)	34 ○	○ 15	(+) Excitation08
Sensor08 (-)	35 ○	○ 16	(+) Sensor08
reserved	36 ○	○ 17	reserved
EVENT IN (+)	37 ○	○ 18	reserved

Adin-16/18-8B (8B 1...8, male conn.)



matching cable connector (male):
LEMO, series 00, 2-pole, type FGG

IIN01 (-)	37 ●	● 19	(+) IIN01
IIN02 (-)	36 ●	● 18	(+) IIN02
IIN03 (-)	35 ●	● 17	(+) IIN03
IIN04 (-)	34 ●	● 16	(+) IIN04
IIN05 (-)	33 ●	● 15	(+) IIN05
IIN06 (-)	32 ●	● 14	(+) IIN06
IIN07 (-)	31 ●	● 13	(+) IIN07
IIN08 (-)	30 ●	● 12	(+) IIN08
IIN09 (-)	29 ●	● 11	(+) IIN09
IIN10 (-)	28 ●	● 10	(+) IIN10
IIN11 (-)	27 ●	● 9	(+) IIN11
IIN12 (-)	26 ●	● 8	(+) IIN12
IIN13 (-)	25 ●	● 7	(+) IIN13
IIN14 (-)	24 ●	● 6	(+) IIN14
IIN15 (-)	23 ●	● 5	(+) IIN15
IIN16 (-)	22 ●	● 4	(+) IIN16
AGND	21 ●	● 3	AGND
EVENT IN	20 ●	● 2	+5Vout <0,1A
		● 1	AGND

Adin-16/18-C

Adin-16/18-B (AIN 9...16 diff.)

AIN1 (-)	37 ●	● 19	(+) AIN1
AIN2 (-)	36 ●	● 18	(+) AIN2
AIN3 (-)	35 ●	● 17	(+) AIN3
AIN4 (-)	34 ●	● 16	(+) AIN4
AIN5 (-)	33 ●	● 15	(+) AIN5
AIN6 (-)	32 ●	● 14	(+) AIN6
AIN7 (-)	31 ●	● 13	(+) AIN7
AIN8 (-)	30 ●	● 12	(+) AIN8
reserved		reserved	
ENABLE (+)		(-) ENABLE	
B (+)		(-) B	
AGND		AGND	
A/EVENT IN (+)		reserved	
20 ●		(-) EVENT IN/A	
19 ●			

Adin-F-8/1x-D (with x=4, 6)

AIN 1 (-)	37 ●	● 19	(+) AIN1
AIN 2 (-)	36 ●	● 18	(+) AIN2
AIN 3 (-)	35 ●	● 17	(+) AIN3
AIN 4 (-)	34 ●	● 16	(+) AIN4
AIN 5 (-)	33 ●	● 15	(+) AIN5
AIN 6 (-)	32 ●	● 14	(+) AIN6
AIN 7 (-)	31 ●	● 13	(+) AIN7
AIN 8 (-)	30 ●	● 12	(+) AIN8
reserved		reserved	
ENABLE (+)		(-) ENABLE	
DGND		DGND	
EVENT IN (+)		reserved	
20 ●		(-) EVENT IN	
19 ●			

Adin-F-8/18-D

Excitation09 (-)	20 ○	○ 1	(+) Excitation09
Sensor09 (-)	21 ○	○ 2	(+) Sensor09
Excitation10 (-)	22 ○	○ 3	(+) Excitation10
Sensor10 (-)	23 ○	○ 4	(+) Sensor10
Excitation11 (-)	24 ○	○ 5	(+) Excitation11
Sensor11 (-)	25 ○	○ 6	(+) Sensor11
Excitation12 (-)	26 ○	○ 7	(+) Excitation12
Sensor12 (-)	27 ○	○ 8	(+) Sensor12
Excitation13 (-)	28 ○	○ 9	(+) Excitation13
Sensor13 (-)	29 ○	○ 10	(+) Sensor13
Excitation14 (-)	30 ○	○ 11	(+) Excitation14
Sensor14 (-)	31 ○	○ 12	(+) Sensor14
Excitation15 (-)	32 ○	○ 13	(+) Excitation15
Sensor15 (-)	33 ○	○ 14	(+) Sensor15
Excitation16 (-)	34 ○	○ 15	(+) Excitation16
Sensor16 (-)	35 ○	○ 16	(+) Sensor16
reserved		reserved	
20 ○		○ 19	
19 ○			

Adin-16/18-8B (8B 9...16, male conn.)

AIN1 (-)	37 ●	● 19	(+) AIN 1
AIN2 (-)	36 ●	● 18	(+) AIN 2
AIN3 (-)	35 ●	● 17	(+) AIN 3
AIN4 (-)	34 ●	● 16	(+) AIN 4
reserved		reserved	
ENABLE (+)		(-) ENABLE	
B (+)		(-) B	
AGND		AGND	
A/EVENT IN (+)		reserved	
20 ●		(-) EVENT IN/A	
19 ●			

Adin-F-4/1x-D (with x=4, 6)

AIN 1 (-)	37 ●	● 19	(+) AIN1
AIN 2 (-)	36 ●	● 18	(+) AIN2
AIN 3 (-)	35 ●	● 17	(+) AIN3
AIN 4 (-)	34 ●	● 16	(+) AIN4
reserved		reserved	
ENABLE (+)		(-) ENABLE	
DGND		DGND	
EVENT IN (+)		reserved	
20 ●		(-) EVENT IN	
19 ●			

Adin-F-4/18-D

reserviert	37 ●	● 19	(+) Source1
Source1 (-)	36 ●	● 18	reserviert
reserviert	35 ●	● 17	(+) Source2
Source2 (-)	34 ●	● 16	reserviert
reserviert	33 ●	● 15	(+) Source3
Source3 (-)	32 ●	● 14	reserviert
reserviert	31 ●	● 13	(+) Source4
Source4 (-)	30 ●	● 12	reserviert
reserviert	29 ●	● 11	(+) Source5
Source5 (-)	28 ●	● 10	reserviert
reserviert	27 ●	● 9	(+) Source6
Source6 (-)	26 ●	● 8	reserviert
reserviert	25 ●	● 7	(+) Source7
Source7 (-)	24 ●	● 6	reserviert
reserved	23 ●	● 5	(+) Source8
Source8 (-)	22 ●	● 4	reserviert
reserviert	21 ●	● 3	reserviert
reserviert	20 ●	● 2	reserviert
	20 ●	● 1	DGND

RTD-8-D, 2 wire

reserviert	37 ●	● 19	(+) Source1
Source1 (-)	36 ●	● 18	(-) Sensor1
reserviert	35 ●	● 17	(+) Source2
Source2 (-)	34 ●	● 16	(-) Sensor2
reserviert	33 ●	● 15	(+) Source3
Source3 (-)	32 ●	● 14	(-) Sensor3
reserviert	31 ●	● 13	(+) Source4
Source4 (-)	30 ●	● 12	(-) Sensor4
reserviert	29 ●	● 11	(+) Source5
Source5 (-)	28 ●	● 10	(-) Sensor5
reserviert	27 ●	● 9	(+) Source6
Source6 (-)	26 ●	● 8	(-) Sensor6
reserviert	25 ●	● 7	(+) Source7
Source7 (-)	24 ●	● 6	(-) Sensor7
reserviert	23 ●	● 5	(+) Source8
Source8 (-)	22 ●	● 4	(-) Sensor8
reserviert	21 ●	● 3	reserviert
reserviert	20 ●	● 2	reserviert
	20 ●	● 1	DGND

RTD-8-D, 3 wire

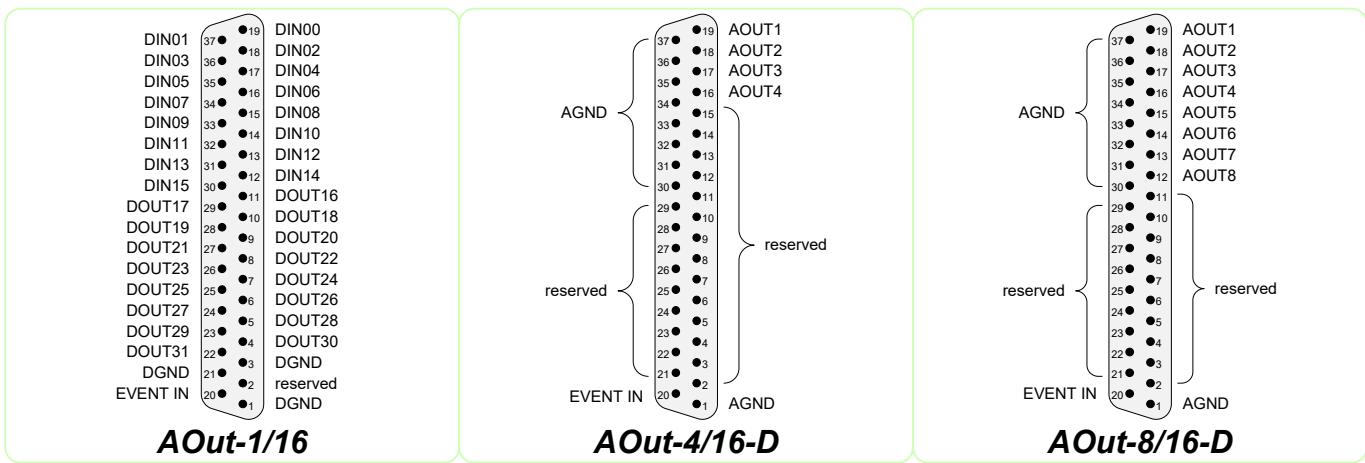
Sensor1 (+)	37 ●	● 19	(+) Source1
Source1 (-)	36 ●	● 18	(-) Sensor1
Sensor2 (+)	35 ●	● 17	(+) Source2
Source2 (-)	34 ●	● 16	(-) Sensor2
Sensor3 (+)	33 ●	● 15	(+) Source3
Source3 (-)	32 ●	● 14	(-) Sensor3
Sensor4 (+)	31 ●	● 13	(+) Source4
Source4 (-)	30 ●	● 12	(-) Sensor4
Sensor5 (+)	29 ●	● 11	(+) Source5
Source5 (-)	28 ●	● 10	(-) Sensor5
Sensor6 (+)	27 ●	● 9	(+) Source6
Source6 (-)	26 ●	● 8	(-) Sensor6
Sensor7 (+)	25 ●	● 7	(+) Source7
Source7 (-)	24 ●	● 6	(-) Sensor7
Sensor8 (+)	23 ●	● 5	(+) Source8
Source8 (-)	22 ●	● 4	(-) Sensor8
reserviert	21 ●	● 3	reserviert
reserviert	20 ●	● 2	reserviert
	20 ●	● 1	DGND

RTD-8-D, 4 wire

B1 (-)	37 ●	● 19	(+) B1
SX1 (+)	36 ●	● 18	(+) EX1
SX1 (-)	35 ●	● 17	QB1
AGND	34 ●	● 16	(-) EX1
B2 (-)	33 ●	● 15	(+) B2
SX2 (+)	32 ●	● 14	(+) EX2
SX2 (-)	31 ●	● 13	QB2
AGND	30 ●	● 12	(-) EX2
B3 (-)	29 ●	● 11	(+) B3
SX3 (+)	28 ●	● 10	(+) EX3
SX3 (-)	27 ●	● 9	QB3
AGND	26 ●	● 8	(-) EX3
B4 (-)	25 ●	● 7	(+) B4
SX4 (+)	24 ●	● 6	(+) EX4
SX4 (-)	23 ●	● 5	QB4
AGND	22 ●	● 4	(-) EX4
AGND	21 ●	● 3	AGND
NC	20 ●	● 2	NC
	20 ●	● 1	Vcc Out

SG-4/18

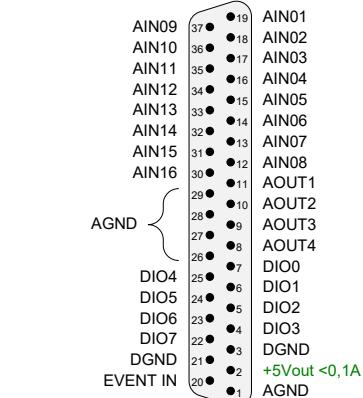
ADwin-Pro II – DAC modules



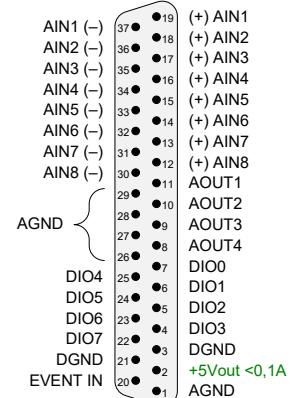
ADwin-Pro II – DIO modules



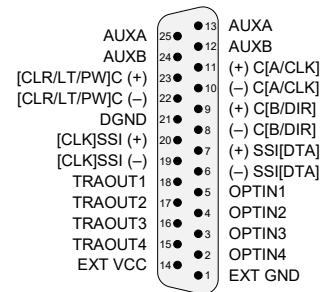
ADwin-Pro II – MIO modules



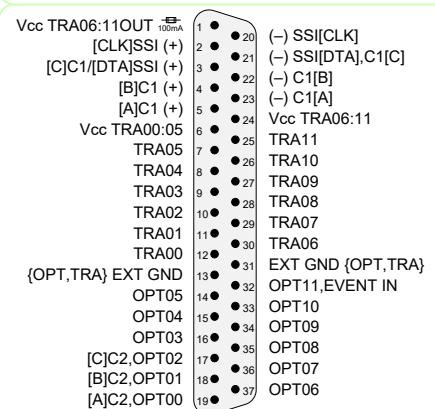
MIO-4 S.-e. (Conn. 1)



MIO-4 diff. (Conn. 1)

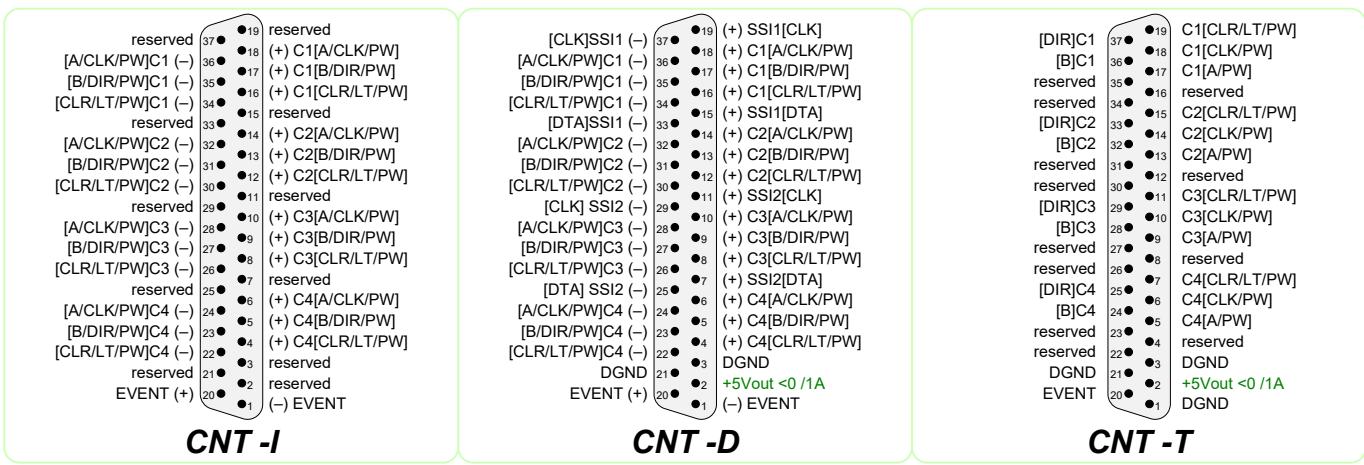


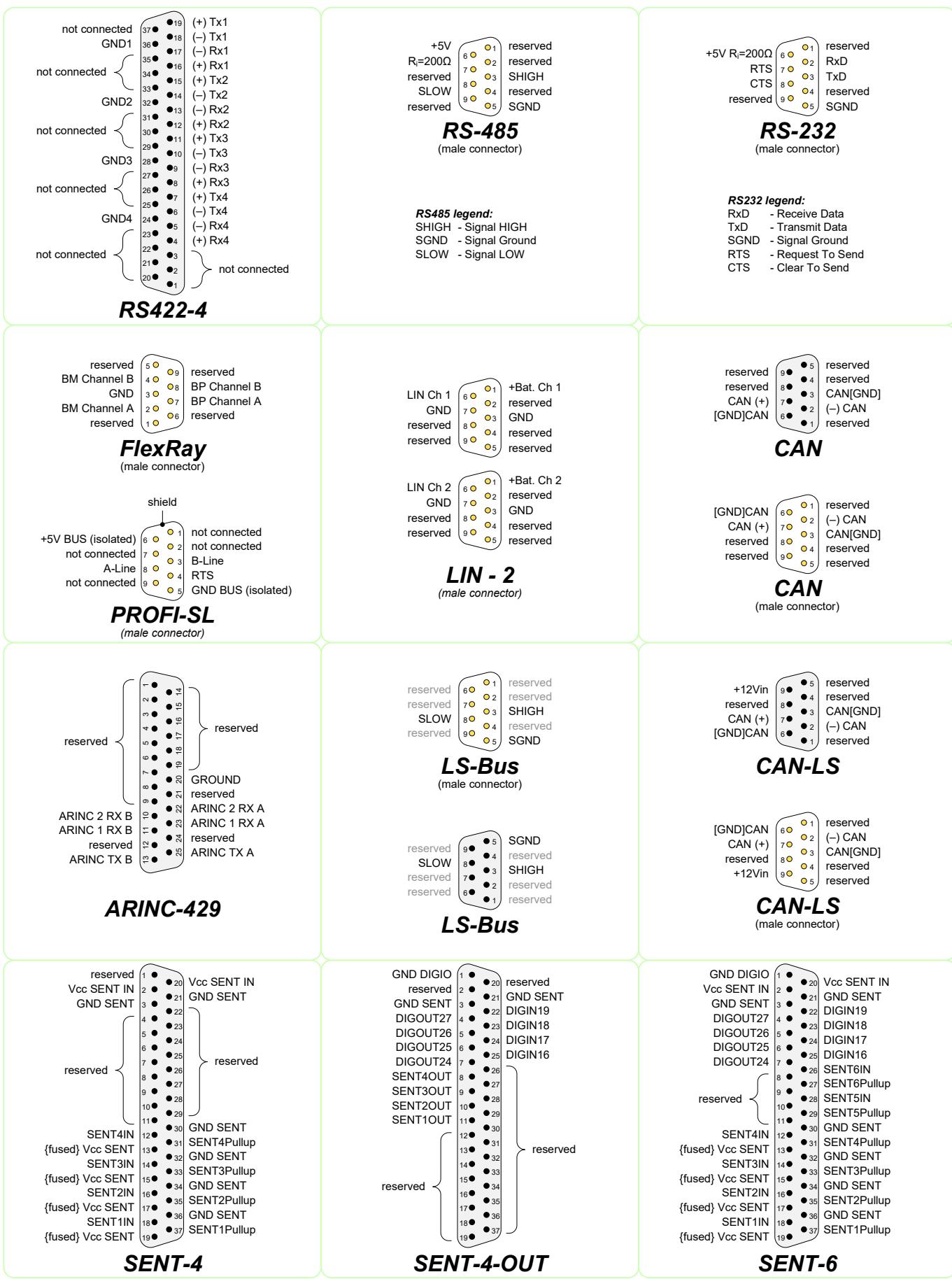
MIO-4-ET1
Conn. 2



MIO-D12

ADwin-Pro II – counter modules





ADwIN-Pro II – interface modules (SPI)

DIO17	37 • 19	DIO16
DIO19	36 • 18	DIO18
DIO25	35 • 17	DIO24
DIO27	34 • 16	DIO26
DIO00 (-)	33 • 15	(+) DIO00
DIO01 (-)	32 • 14	(+) DIO01
DIO02 (-)	31 • 13	(+) DIO02
DIO03 (-)	30 • 12	(+) DIO03
DIO04 (-)	29 • 11	(+) DIO04
DIO05 (-)	28 • 10	(+) DIO05
DIO06 (-)	27 • 9	(+) DIO06
DIO07 (-)	26 • 8	(+) DIO07
DIO08 (-)	25 • 7	(+) DIO08
DIO09 (-)	24 • 6	(+) DIO09
DIO10 (-)	23 • 5	(+) DIO10
DIO11 (-)	22 • 4	(+) DIO11
DGND	21 • 3	DGND
EVENT IN (+)	20 • 2	+5Vout <0,1A
	• 1	(-) EVENT IN

DIO01	37 • 19	DIO00
DIO03	36 • 18	DIO02
DIO05	35 • 17	DIO04
DIO07	34 • 16	DIO06
DIO09	33 • 15	DIO08
DIO11	32 • 14	DIO10
DIO13	31 • 13	DIO12
DIO15	30 • 12	DIO14
DIO17	29 • 11	DIO16
DIO19	28 • 10	DIO18
DIO21	27 • 9	DIO20
DIO23	26 • 8	DIO22
DIO25	25 • 7	DIO24
DIO27	24 • 6	DIO26
DIO29	23 • 5	DIO28
DIO31	22 • 4	DIO30
DGND	21 • 3	DGND
EVENT IN (+)	20 • 2	+5Vout <0,1A
	• 1	DGND

SPI-D: digital channels

DIO17	37 • 19	DIO16
DIO19	36 • 18	DIO18
DIO25	35 • 17	DIO24
DIO27	34 • 16	DIO26
DIO00 (-)	33 • 15	(+) DIO00
DIO01 (-)	32 • 14	(+) DIO01
DIO02 (-)	31 • 13	(+) DIO02
DIO03 (-)	30 • 12	(+) DIO03
[MISO]SL1 (-)	29 • 11	(+) SL1[MISO]
[MISO]SL2 (-)	28 • 10	(+) SL2[MISO]
[MOSI]SL1 (-)	27 • 9	(+) SL1[MOSI]
[SS]SL1 (-)	26 • 8	(+) SL1[SS]
[SCLK]SL1 (-)	25 • 7	(+) SL1[SCLK]
[MOSI]SL2 (-)	24 • 6	(+) SL2[MOSI]
[SS]SL2 (-)	23 • 5	(+) SL2[SS]
[SCLK]SL2 (-)	22 • 4	(+) SL2[SCLK]
DGND	21 • 3	DGND
EVENT IN (+)	20 • 2	+5Vout <0,1A
	• 1	(-) EVENT IN

SPI-T: digital channels

DIO1	37 • 19	DIO0
DIO3	36 • 18	DIO2
DIO5	35 • 17	DIO4
DIO07	34 • 16	DIO6
[SS]SL1	33 • 15	MS1[MOSI]
[MOSI]SL2	32 • 14	SL1[SS]
[SCLK]SL2	31 • 13	DIGIN14
DIGIN15	30 • 12	DIGIN1
reserved	29 • 11	reserved
reserved	28 • 10	reserved
reserved	27 • 9	reserved
reserved	26 • 8	reserved
reserved	25 • 7	SL2[MISO]
reserved	24 • 6	reserved
reserved	23 • 5	reserved
reserved	22 • 4	reserved
DGND	21 • 3	DGND
EVENT IN	20 • 2	+5Vout <0,1A
	• 1	DGND

SPI-D: SL1 + SL2

DIO17	37 • 19	DIO16
DIO19	36 • 18	DIO18
DIO25	35 • 17	DIO24
DIO27	34 • 16	DIO26
DIO00 (-)	33 • 15	(+) DIO00
DIO01 (-)	32 • 14	(+) DIO01
DIO02 (-)	31 • 13	(+) DIO02
DIO03 (-)	30 • 12	(+) DIO03
[MOSI]MS1 (-)	29 • 11	(+) MS1[MOSI]
[MISO]SL2 (-)	28 • 10	(+) SL2[MISO]
[MOSI]MS1 (-)	27 • 9	(+) MS1[MOSI]
[SS]MS1 (-)	26 • 8	(+) MS1[SS]
[SCLK]MS1 (-)	25 • 7	(+) MS1[SCLK]
[MOSI]SL2 (-)	24 • 6	(+) SL2[MOSI]
[SS]SL2 (-)	23 • 5	(+) SL2[SS]
[SCLK]SL2 (-)	22 • 4	(+) SL2[SCLK]
DGND	21 • 3	DGND
EVENT IN (+)	20 • 2	+5Vout <0,1A
	• 1	(-) EVENT IN

SPI-T: SL1 + SL2

DIO01	37 • 19	DIO00
DIO03	36 • 18	DIO02
DIO05	35 • 17	DIO04
DIO07	34 • 16	DIO06
DIGIN09	33 • 15	MS1[MISO]
[MOSI]SL2	32 • 14	DIGIN10
[SCLK]SL2	31 • 13	DIGIN12
DIGIN15	30 • 12	DIGIN14
[SS]MS1	29 • 11	MS1[MOSI]
DIGOUT19	28 • 10	MS1[SCLK]
DIGOUT21	27 • 9	DIGOUT20
DIGOUT23	26 • 8	DIGOUT22
reserved	25 • 7	SL2[MISO]
reserved	24 • 6	reserved
reserved	23 • 5	reserved
reserved	22 • 4	reserved
DGND	21 • 3	DGND
EVENT IN	20 • 2	+5Vout <0,1A
	• 1	DGND

SPI-D: MS1 + SL2

DIO17	37 • 19	DIO16
DIO19	36 • 18	DIO18
DIO25	35 • 17	DIO24
DIO27	34 • 16	DIO26
DIO00 (-)	33 • 15	(+) DIO00
DIO01 (-)	32 • 14	(+) DIO01
DIO02 (-)	31 • 13	(+) DIO02
DIO03 (-)	30 • 12	(+) DIO03
[MOSI]MS1 (-)	29 • 11	(+) MS1[MOSI]
[MOSI]MS2 (-)	28 • 10	(+) MS2[MOSI]
[MOSI]MS1 (-)	27 • 9	(+) MS1[MOSI]
[SS]MS1 (-)	26 • 8	(+) MS1[SS]
[SCLK]MS1 (-)	25 • 7	(+) MS1[SCLK]
[MOSI]MS2 (-)	24 • 6	(+) MS2[MOSI]
[SS]MS2 (-)	23 • 5	(+) MS2[SS]
[SCLK]MS2 (-)	22 • 4	(+) MS2[SCLK]
DGND	21 • 3	DGND
EVENT IN (+)	20 • 2	+5Vout <0,1A
	• 1	(-) EVENT IN

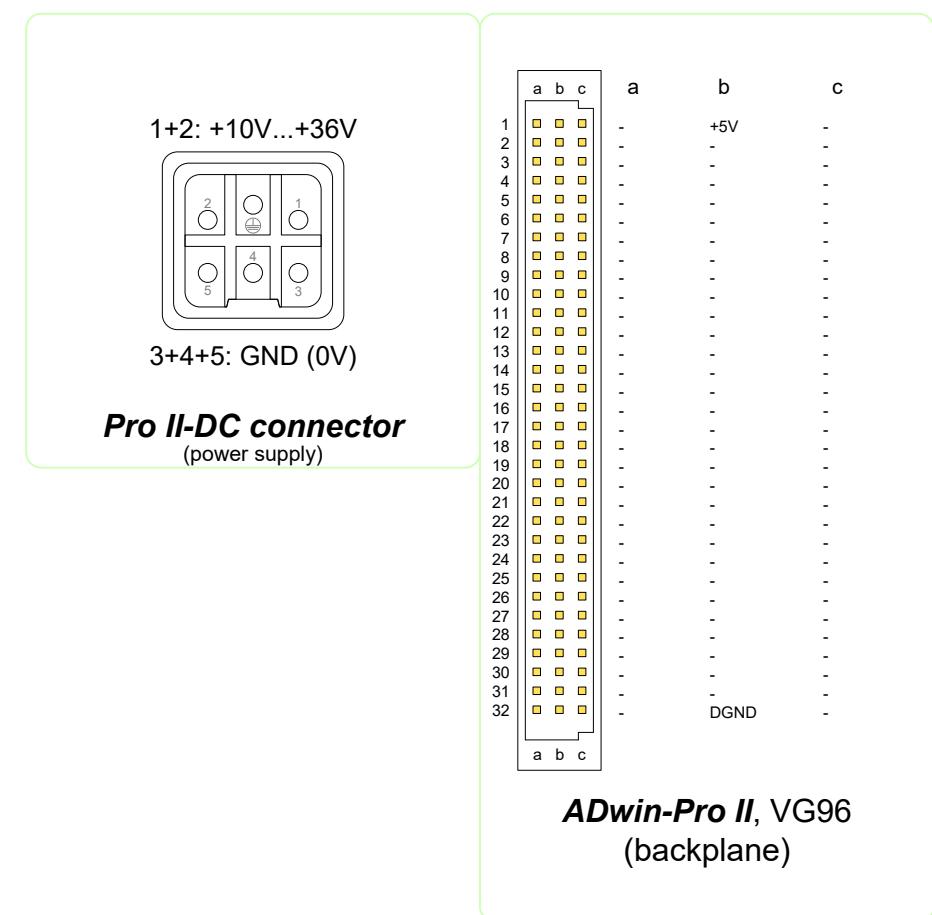
SPI-T: MS1 + SL2

DIO1	37 • 19	DIO0
DIO3	36 • 18	DIO2
DIO5	35 • 17	DIO4
DIO07	34 • 16	DIO6
DIGIN09	33 • 15	MS1[MISO]
[MOSI]MS2	32 • 14	DIGIN10
DIGIN13	31 • 13	DIGIN12
DIGIN15	30 • 12	DIGIN14
[SS]MS1	29 • 11	MS1[MOSI]
DIGOUT19	28 • 10	MS1[SCLK]
DIGOUT21	27 • 9	DIGOUT20
DIGOUT23	26 • 8	DIGOUT22
DIGOUT27	25 • 7	MS2[MOSI]
DIGOUT29	24 • 6	MS2[SCLK]
DIGOUT31	23 • 5	DIGOUT28
DGND	21 • 3	DGND
EVENT IN	20 • 2	+5Vout <0,1A
	• 1	DGND

SPI-D: MS1 + MS2

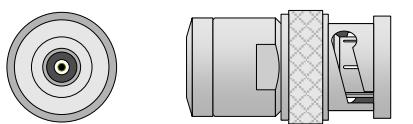
DIO17	37 • 19	DIO16
DIO19	36 • 18	DIO18
DIO25	35 • 17	DIO24
DIO27	34 • 16	DIO26
DIO00 (-)	33 • 15	(+) DIO00
DIO01 (-)	32 • 14	(+) DIO01
DIO02 (-)	31 • 13	(+) DIO02
DIO03 (-)	30 • 12	(+) DIO03
[MOSI]MS1 (-)	29 • 11	(+) MS1[MOSI]
[MOSI]MS2 (-)	28 • 10	(+) MS2[MOSI]
[MOSI]MS1 (-)	27 • 9	(+) MS1[MOSI]
[SS]MS1 (-)	26 • 8	(+) MS1[SS]
[SCLK]MS1 (-)	25 • 7	(+) MS1[SCLK]
[MOSI]MS2 (-)	24 • 6	(+) MS2[MOSI]
[SS]MS2 (-)	23 • 5	(+) MS2[SS]
[SCLK]MS2 (-)	22 • 4	(+) MS2[SCLK]
DGND	21 • 3	DGND
EVENT IN (+)	20 • 2	+5Vout <0,1A
	• 1	(-) EVENT IN

SPI-T: MS1 + MS2

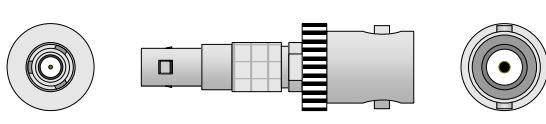


ADwin Pro – adapter sets (AS-..)

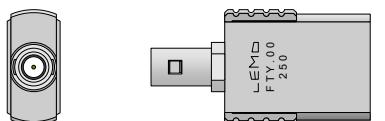
Pro-AS-1 (4 pcs./set)



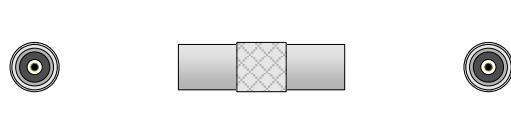
Pro-AS-2 (4 pcs./set)



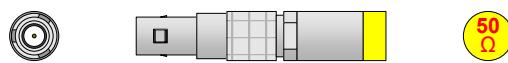
Pro-AS-3 (4 pcs./set)



Pro-AS-4 (4 pcs./set)



Pro-AS-5 (4 pcs./set)



Pro-AS-6 (4 pcs./set)

ca. 10cm / approx. 4"



Pro-AS-7 (4 pcs./set)

ca. 100cm / approx. 3' 3"



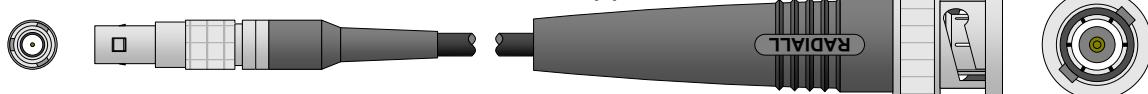
Pro-AS-8 (4 pcs./set)

ca. 200cm / approx. 6' 7"



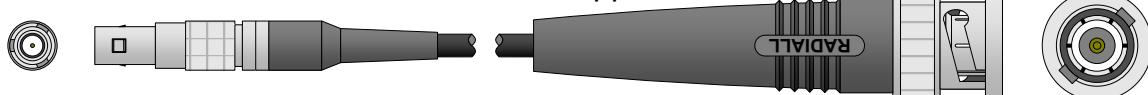
Pro-AS-9 (4 pcs./set)

ca. 100cm / approx. 3' 3"



Pro-AS-10 (4 pcs./set)

ca. 200cm / approx. 6' 7"



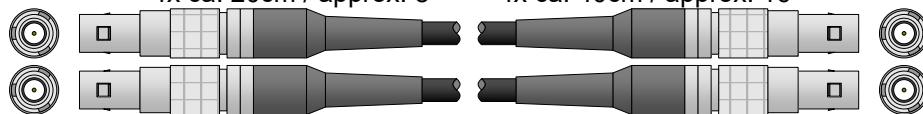
cable connector (male) **ADwin-Pro**: LEMO, series 00, type FGG
build-in connector (female) **ADwin-Pro**: LEMO, series 00, type ERN

ADwin Pro – adapter sets (AS-..)

ADwin Pro – cable sets (CS-..)

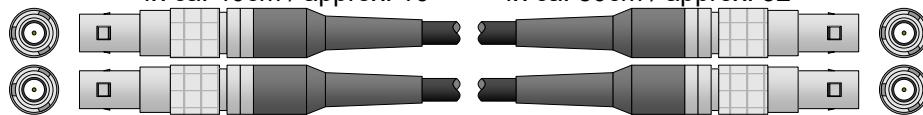
Pro-CS-1

4x ca. 20cm / approx. 8" + 4x ca. 40cm / approx. 16"



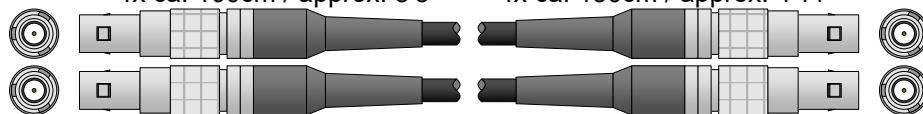
Pro-CS-2

4x ca. 40cm / approx. 16" + 4x ca. 80cm / approx. 32"



Pro-CS-3

4x ca. 100cm / approx. 3'3" + 4x ca. 150cm / approx. 4'11"



Pro-CS-4

4x ca. 500cm / approx. 16'5"



Pro-CS-5

8x ca. 40cm / approx. 16"



Pro-CS-6

8x ca. 100cm / approx. 3' 3"



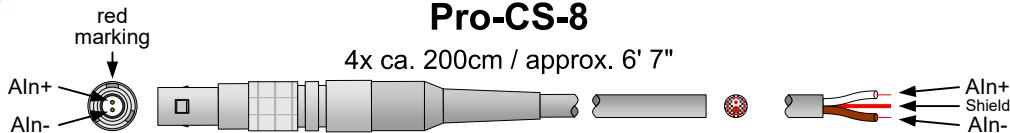
Pro-CS-7

8x ca. 200cm / approx. 6' 7"



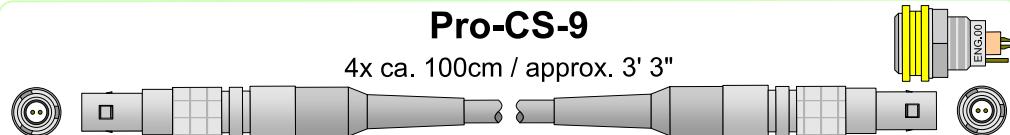
Pro-CS-8

4x ca. 200cm / approx. 6' 7"



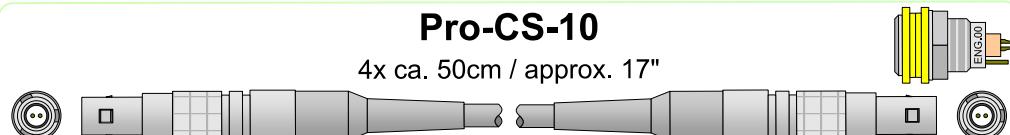
Pro-CS-9

4x ca. 100cm / approx. 3' 3"



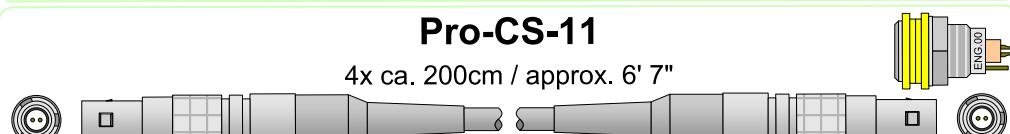
Pro-CS-10

4x ca. 50cm / approx. 17"



Pro-CS-11

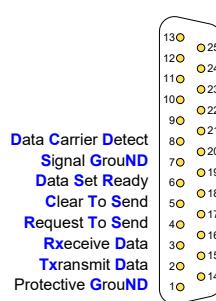
4x ca. 200cm / approx. 6' 7"



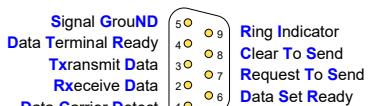
cable connector (male) **ADwin-Pro**: LEMO, series 00; 1-pole: type FFS (CS-1 ... CS-7), 2-pole: type FGG (CS-8 ... CS-11)
 build-in connector (female) **ADwin-Pro**: LEMO, series 00; 1-pole: type ERN (CS-1 ... CS-7), 2-pole: type ENG (CS-8 ... CS-11)

ADwin Pro – cable sets (CS-..)

busses and communication interfaces



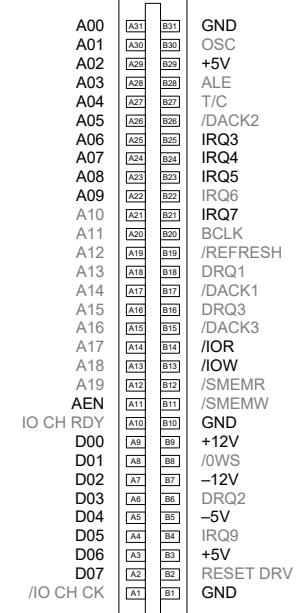
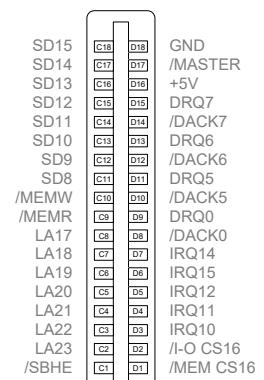
RS-232-C
(male connector)



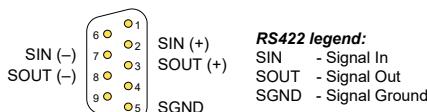
RS-232-C
(male connector)

+5V - A62	B62 - +5V
+5V - A61	B61 - +5V
REQ 64-Bit - A60	B60 - ACK 64-Bit
+V I/O - A59	B59 - +5V I/O
ADDR00 - A58	B58 - ADDR01
ADDR02 - A57	B57 - GND
GND - A56	B56 - ADDR03
ADDR04 - A55	B55 - ADDR05
ADDR06 - A54	B54 - +3.3V
+3.3V - A53	B53 - ADDR07
C/BE 0 - A52	B52 - ADDR08
ADDR09 - A49	B49 - GND
GND - A48	B48 - ADDR10
ADDR11 - A47	B47 - ADDR12
ADDR13 - A46	B46 - GND
+3.3V - A45	B45 - ADDR14
ADDR15 - A44	A49 - C/BE 1
PAR - A43	B48 - +3.3V
GND - A42	A46 - System Error
Snoop Backoff - A41	A45 - B45
Snoop Done - A40	A44 - B44
+3.3V - A39	A42 - B42
Stop - A38	A41 - B41
GND - A37	B39 - Lock
Target Ready - A36	B37 - Device Select
GND - A35	A38 - B38
Cycle Frame - A34	B36 - +3.3V
+3.3V - A33	B35 - Initiator Ready
ADDR16 - A32	B33 - C/BE 2
ADDR18 - A31	A32 - B32
GND - A30	B31 - +3.3V
ADDR20 - A29	B30 - ADDR19
ADDR22 - A28	A29 - B29
+3.3V - A27	B29 - ADDR21
Init Device Select - A26	B28 - GND
ADDR24 - A25	A26 - B26
GND - A24	B25 - ADDR23
ADDR26 - A23	A25 - B25
ADDR28 - A22	B26 - C/BE 3
+3.3V - A21	A23 - B23
ADDR30 - A20	B25 - +3.3V
Reserved - A19	A22 - B22
GND - A18	B24 - ADDR25
Grant - A17	A21 - B21
+V I/O - A16	B23 - ADDR27
Reset - A15	A19 - B19
Reserved - A14	B21 - ADDR29
	A18 - B18
Reserved - A13	B20 - ADDR31
	A17 - B17
Reserved - A12	B19 - +V I/O
	A16 - B16
Reserved - A11	B18 - REQ
+V I/O - A10	B17 - GND
Reserved - A09	A11 - B11
+5V - A08	B16 - CLK
INT C - A07	A10 - B10
INT A - A06	B15 - GND
+5V - A05	A09 - B09
Test Data Input - A04	A08 - B08
Test Mode Select - A03	A07 - B07
+12V - A02	A06 - B06
Test Reset - A01	A05 - B05
	B04 - B04
	B11 - PRSNT2#
	B10 - Reserved
	B09 - PRSNT1#
	B08 - INT D
	B07 - INT B
	B06 - +5V
	B05 - +5V
	B04 - Test Data Output
	B03 - GND
	B02 - Test CLK
	B01 - -12V

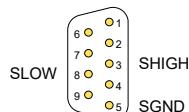
PCI bus



ISA bus



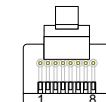
RS-422
(male connector)



RS-485
(male connector)

RS422 legend:
SIN - Signal In
SOUT - Signal Out
SGND - Signal Ground

RS485 legend:
SHIGH - Signal High
SGND - Signal Ground
SLOW - Signal Low



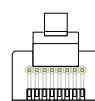
for connection between: ADwin & hub, ADwin & switch

1 - white/orange, Tx +	Rx +, white/orange - 1
2 - orange, Tx -	Rx -, orange - 2
3 - white/green, Rx +	Tx +, white/green - 3
4 - blue	blue - 4
5 - white/blue	white/blue - 5
6 - green, Rx -	Tx -, green - 6
7 - white/brown	white/brown - 7
8 - brown	brown - 8

according to ISO/IEC 11801 & EN 50288 & TIA/EIA-568B

Ethernet, RJ-45

(cable connector)



for connection between: ADwin & PC, ADwin & router

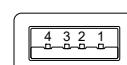
1 - white/orange, Tx +	Tx +, white/green - 1
2 - orange, Tx -	Tx -, green - 2
3 - white/green, Rx +	Rx +, white/orange - 3
4 - blue	white/brown - 4
5 - white/blue	brown - 5
6 - green, Rx -	Rx -, orange - 6
7 - white/brown	blue - 7
8 - brown	white/blue - 8

according to ISO/IEC 11801 & EN 50288 & TIA/EIA-568B

Ethernet, RJ-45 (cross-link)

(cable connector)

Typ A



1 - +5V
2 - D-
3 - D+
4 - GND



USB
(cable connector)

busses and communication interfaces