

ADwin - Pin Assignments

last update:

2017-03-01

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

Gold with ENET/USB (Rev. B)

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

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

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

Gold-D

ANALOG IN/OUT
DIO 00-15 (IN) / 16-31 (OUT)
power supply

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

Gold II

ANALOG IN, ANALOG OUT
DIO 00-15 (IN), DIO 16-31 (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

Aln-32/1x (x = 2, 4, 6) (s.-e. / diff.)
Aln-8/1x-D (x = 2, 4, 6)
Aln-F-n/1x-D (n = 4, 8; x = 2, 4, 6)
Aln-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

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

Legend:

The signal naming conventions are denoted according to the 'onion ring' principle from inner to outer layer, i.e. a leading function unit (for instance CNTR, SPI, SSI, ...) is followed by the specific signal name. In between, at differential signals, the polarity is indicated, while at asymmetrical (single-ended) signals the signal description follows in square brackets directly after the function unit.

, Separates signals, which are available at the same time.

/ Separates signals, which are not(!) available at the same time - OR-function - i.e. unfold by hardware extensions or selectable by software.

(+) Positive or „+“ input at differential inputs.

(-) Negative or „-“ input at differential inputs.

[] Contains signal name at asymmetrical (single-ended) inputs, if it belongs to a function unit.

() Contains signal name, which is only available by option (i.e. by built-in add-ons).

+5Vout <0,1A	40	39	reserved
reserved	38	37	+5Vout <0,1A
	36	35	reserved
	34	33	DGND
EVENT IN	32	31	DIGIN 5, CNTR 2 [CLK]
DIGOUT 5	30	29	DIGIN 4, CNTR 1 [CLK]
DIGOUT 4	28	27	DIGIN 3
DIGOUT 3	26	25	DIGIN 2
DIGOUT 2	24	23	DIGIN 1
DIGOUT 1	22	21	DIGIN 0
DIGOUT 0	20	19	ADC 11 (+)
(-) ADC 11	18	17	ADC 09 (+)
(-) ADC 09	16	15	ADC 07 (+)
(-) ADC 07	14	13	ADC 05 (+)
(-) ADC 05	12	11	ADC 03 (+)
(-) ADC 03	10	9	ADC 01 (+)
(-) ADC 01	8	7	ADC 15 (+)
(-) ADC 15	6	5	ADC 13 (+)
(-) ADC 13	4	3	DAC 2
AGND DAC	2	1	DAC 1

L16

(optional dual-inline male conn., for internal wiring, D-sub-conn. omitted)

reserved	37	19	+5Vout <0,1A
-12Vout <0,1A	36	18	+12Vout <0,1A
	35	17	DGND
EVENT IN	34	16	DIGIN 5, CNTR 2 [CLK]
DIGOUT 5	33	15	DIGIN 4, CNTR 1 [CLK]
DIGOUT 4	32	14	DIGIN 3
DIGOUT 3	31	13	DIGIN 2
DIGOUT 2	30	12	DIGIN 1
DIGOUT 1	29	11	DIGIN 0
DIGOUT 0	28	10	ADC 11 (+)
(-) ADC 11	27	9	ADC 09 (+)
(-) ADC 09	26	8	ADC 07 (+)
(-) ADC 07	25	7	ADC 05 (+)
(-) ADC 05	24	6	ADC 03 (+)
(-) ADC 03	23	5	ADC 01 (+)
(-) ADC 01	22	4	ADC 15 (+)
(-) ADC 15	21	3	ADC 13 (+)
(-) ADC 13	20	2	DAC 2
AGND DAC	19	1	DAC 1

L16-PCI

	c	b	a	b	c
1					
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					
	a	b	c		

L16-EURO: VG96

* standard, but position changeable

+5Vout <0,1A	40	39	reserved
reserved	38	37	+5Vout <0,1A
	36	35	reserved
	34	33	DGND
EVENT IN	32	31	DIGIN 5, CNTR 1 [B]
DIGOUT 5	30	29	DIGIN 4, CNTR 1 [A]
DIGOUT 4	28	27	DIGIN 3
DIGOUT 3	26	25	DIGIN 2
DIGOUT 2	24	23	DIGIN 1
DIGOUT 1	22	21	DIGIN 0
DIGOUT 0	20	19	ADC 11 (+)
(-) ADC 11	18	17	ADC 09 (+)
(-) ADC 09	16	15	ADC 07 (+)
(-) ADC 07	14	13	ADC 05 (+)
(-) ADC 05	12	11	ADC 03 (+)
(-) ADC 03	10	9	ADC 01 (+)
(-) ADC 01	8	7	ADC 15 (+)
(-) ADC 15	6	5	ADC 13 (+)
(-) ADC 13	4	3	DAC 2
AGND DAC	2	1	DAC 1

L16-CO1

(optional dual-inline male conn., for internal wiring, D-sub-conn. omitted)

reserved	37	19	+5Vout <0,1A
-12Vout <0,1A	36	18	+12Vout <0,1A
	35	17	DGND
EVENT IN	34	16	DIGIN 5, CNTR 1 [B]
DIGOUT 5	33	15	DIGIN 4, CNTR 1 [A]
DIGOUT 4	32	14	DIGIN 3
DIGOUT 3	31	13	DIGIN 2
DIGOUT 2	30	12	DIGIN 1
DIGOUT 1	29	11	DIGIN 0
DIGOUT 0	28	10	ADC 11 (+)
(-) ADC 11	27	9	ADC 09 (+)
(-) ADC 09	26	8	ADC 07 (+)
(-) ADC 07	25	7	ADC 05 (+)
(-) ADC 05	24	6	ADC 03 (+)
(-) ADC 03	23	5	ADC 01 (+)
(-) ADC 01	22	4	ADC 15 (+)
(-) ADC 15	21	3	ADC 13 (+)
(-) ADC 13	20	2	DAC 2
AGND DAC	19	1	DAC 1

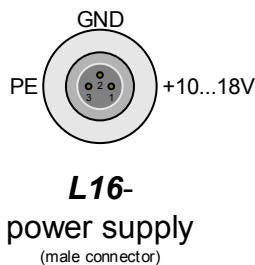
L16-PCI-CO1

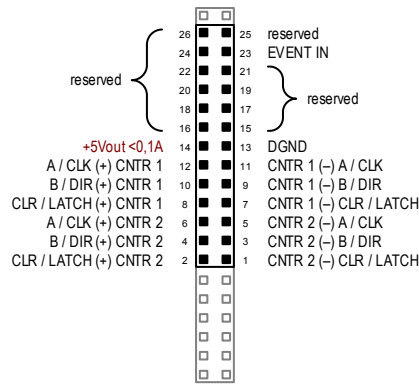
reserved	37	19	+5Vout <0,1A
reserved	36	18	reserved
EVENT IN	35	17	DGND
DIGOUT 5	34	16	DIGIN 5, CNTR 2 [CLK]
DIGOUT 4	33	15	DIGIN 4, CNTR 1 [CLK]
DIGOUT 3	32	14	DIGIN 3
DIGOUT 2	31	13	DIGIN 2
DIGOUT 1	30	12	DIGIN 1
DIGOUT 0	29	11	DIGIN 0
(-) ADC 11	28	10	ADC 11 (+)
(-) ADC 09	27	9	ADC 09 (+)
(-) ADC 07	26	8	ADC 07 (+)
(-) ADC 05	25	7	ADC 05 (+)
(-) ADC 03	24	6	ADC 03 (+)
(-) ADC 01	23	5	ADC 01 (+)
(-) ADC 15	22	4	ADC 15 (+)
(-) ADC 13	21	3	ADC 13 (+)
(-) ADC 13	20	2	DAC 2
AGND DAC	19	1	DAC 1

L16-EURO/EXT

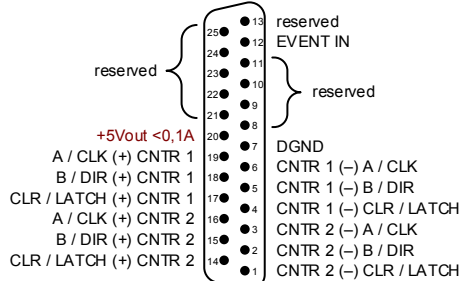
reserved	37	19	+5Vout <0,1A
reserved	36	18	reserved
EVENT IN	35	17	DGND
DIGOUT 5	34	16	DIGIN 5, CNTR 1 [B]
DIGOUT 4	33	15	DIGIN 4, CNTR 1 [A]
DIGOUT 3	32	14	DIGIN 3
DIGOUT 2	31	13	DIGIN 2
DIGOUT 1	30	12	DIGIN 1
DIGOUT 0	29	11	DIGIN 0
(-) ADC 11	28	10	ADC 11 (+)
(-) ADC 09	27	9	ADC 09 (+)
(-) ADC 07	26	8	ADC 07 (+)
(-) ADC 05	25	7	ADC 05 (+)
(-) ADC 03	24	6	ADC 03 (+)
(-) ADC 01	23	5	ADC 01 (+)
(-) ADC 15	22	4	ADC 15 (+)
(-) ADC 13	21	3	ADC 13 (+)
(-) ADC 13	20	2	DAC 2
AGND DAC	19	1	DAC 1

L16-EURO/EXT-CO1

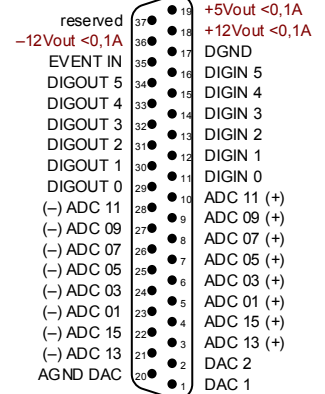




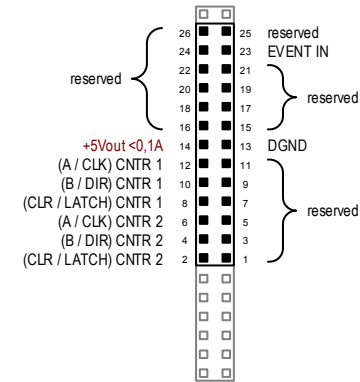
L16-DIO1: Counter (diff.)
(dual-inline male connector)



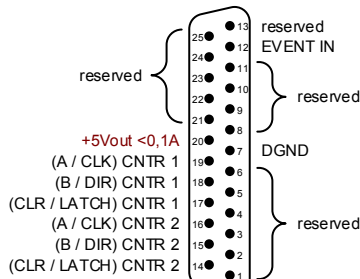
L16-DIO1: Counter (diff.)



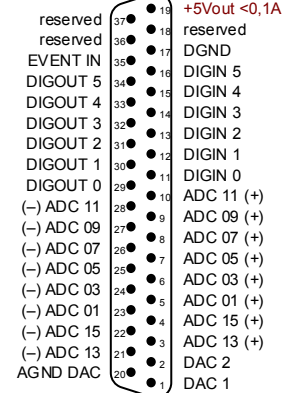
L16-PCI-DIO1



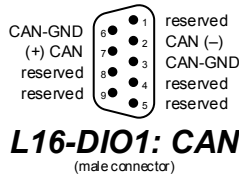
L16-DIO1: Counter (s.-e.)
(dual-inline male connector)



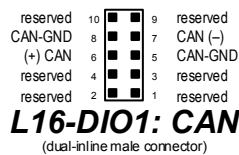
L16-DIO1: Counter (s.-e.)



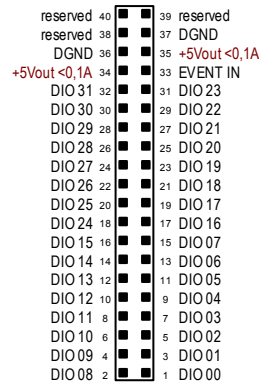
L16-EURO/EXT-DIO1



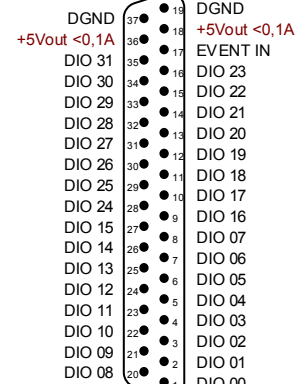
L16-DIO1: CAN
(male connector)



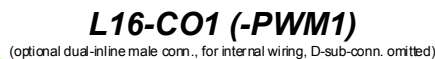
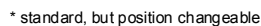
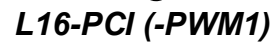
L16-DIO1: CAN
(dual-inline male connector)

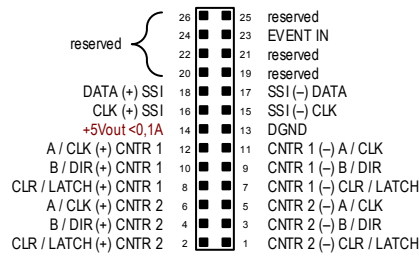


L16-DIO1: DIO
(dual-inline male connector)

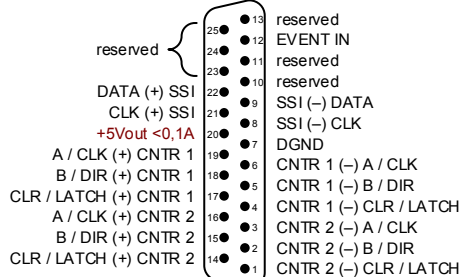


L16-DIO1: DIO

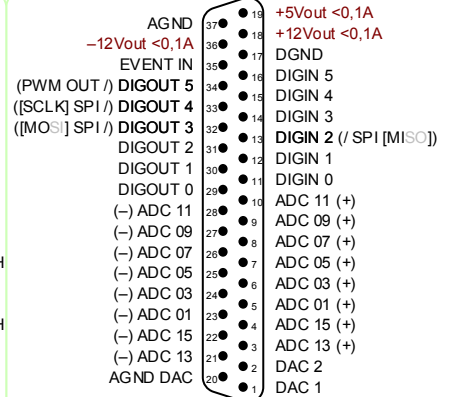




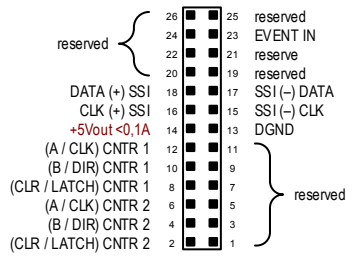
L16-DIO1: Counter (diff.)
(dual-inline male connector)



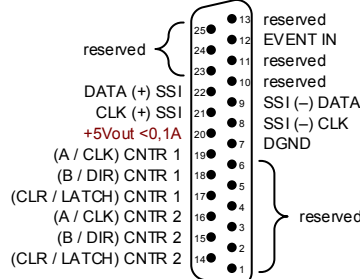
L16-DIO1: Counter (diff.)



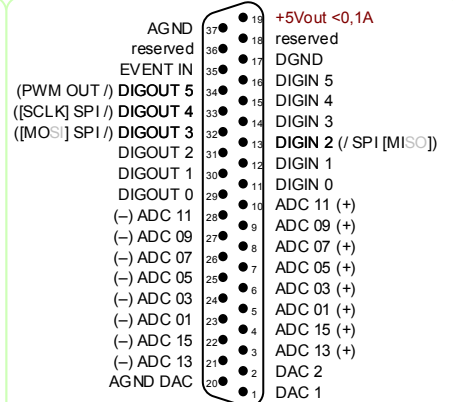
L16-PCI-DIO1 (-PWM1)



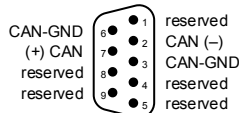
L16-DIO1: Counter (s.-e.)
(dual-inline male connector)



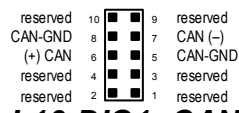
L16-DIO1: Counter (s.-e.)



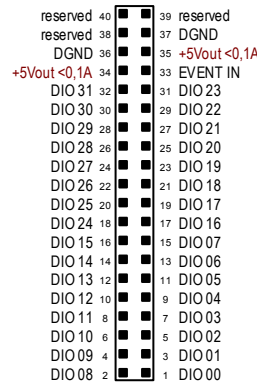
L16-EURO/EXT-DIO1 (-PWM1)



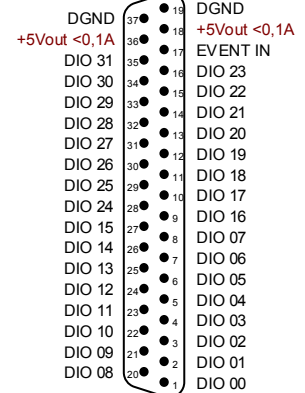
L16-DIO1: CAN
(male connector)



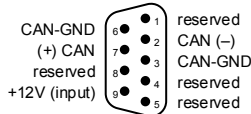
L16-DIO1: CAN
(dual-inline male connector)



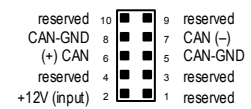
L16-DIO1: DIO
(dual-inline male connector)



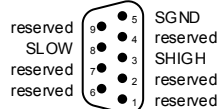
L16-DIO1: DIO



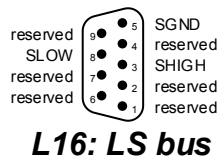
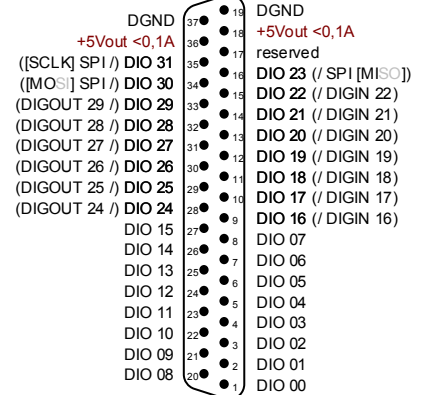
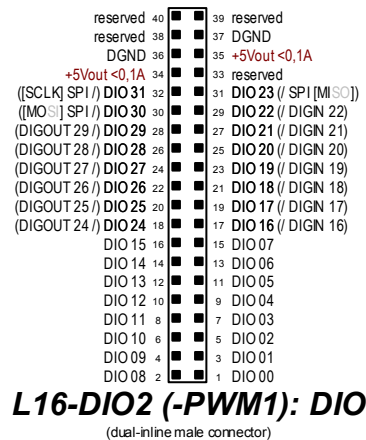
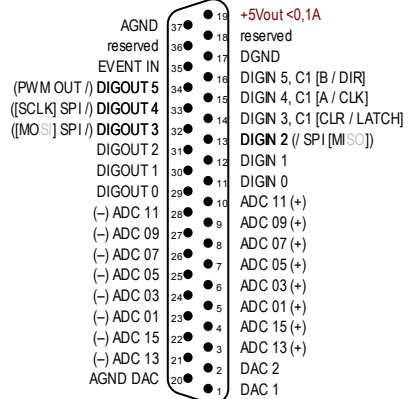
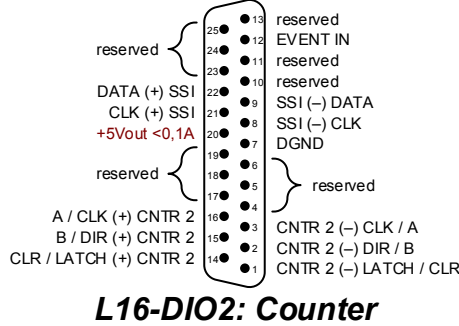
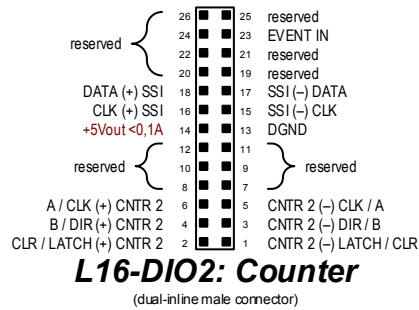
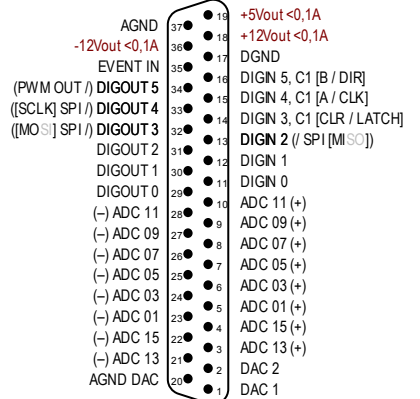
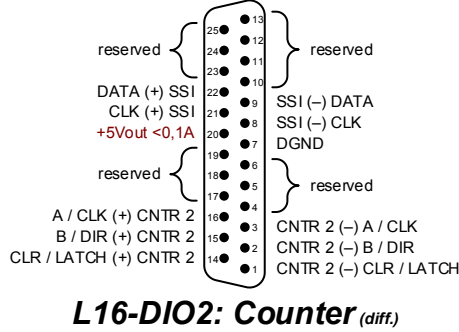
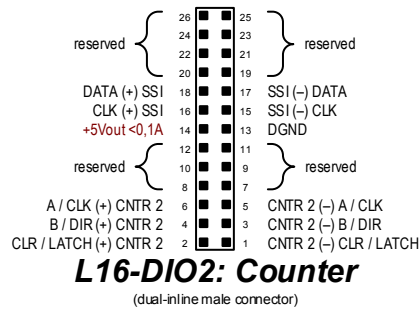
L16-DIO1-LS: CAN-LS
(male connector)

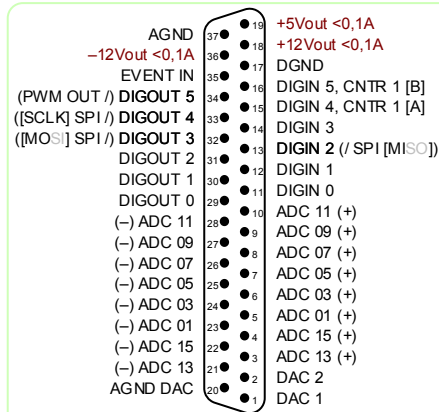


L16-DIO1-LS: CAN-LS
(dual-inline male connector)

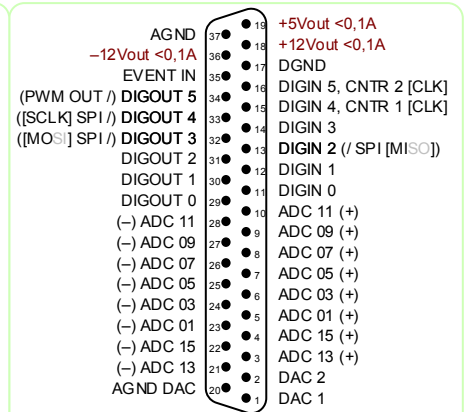


L16: LS bus

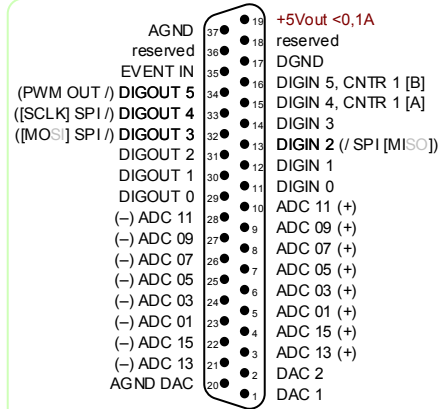




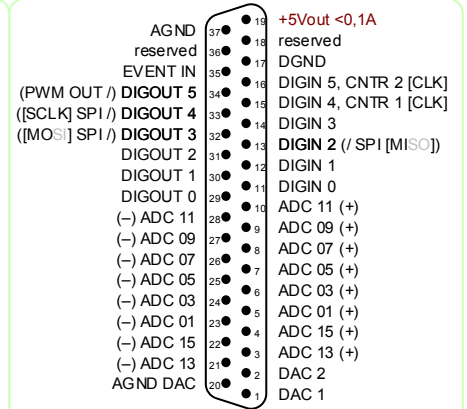
L16-PCI-CO1-DIO3 (-PWM1)



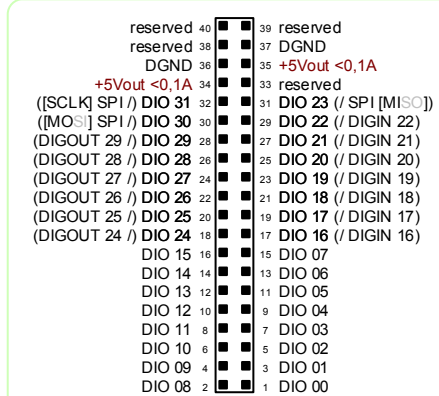
L16-PCI-DIO3 (-PWM1)



L16-EURO/EXT-CO1-DIO3 (-PWM1)

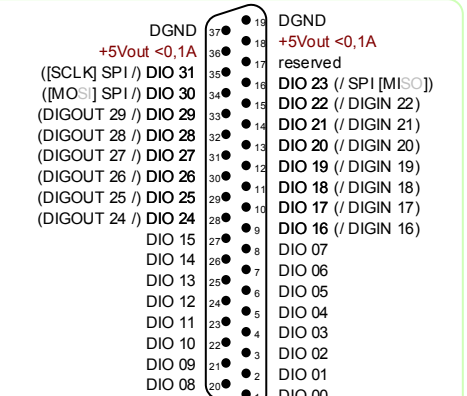


L16-EURO/EXT-DIO3 (-PWM1)

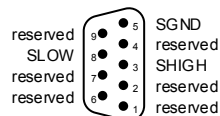


L16-DIO3 (-PWM1): DIO

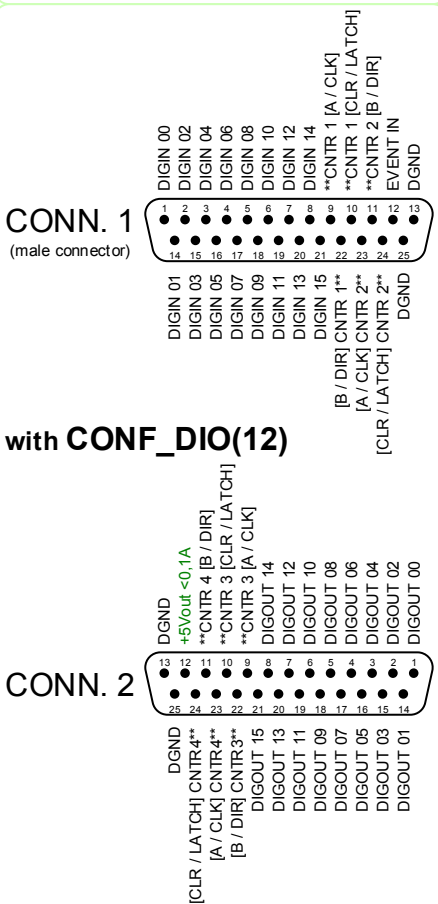
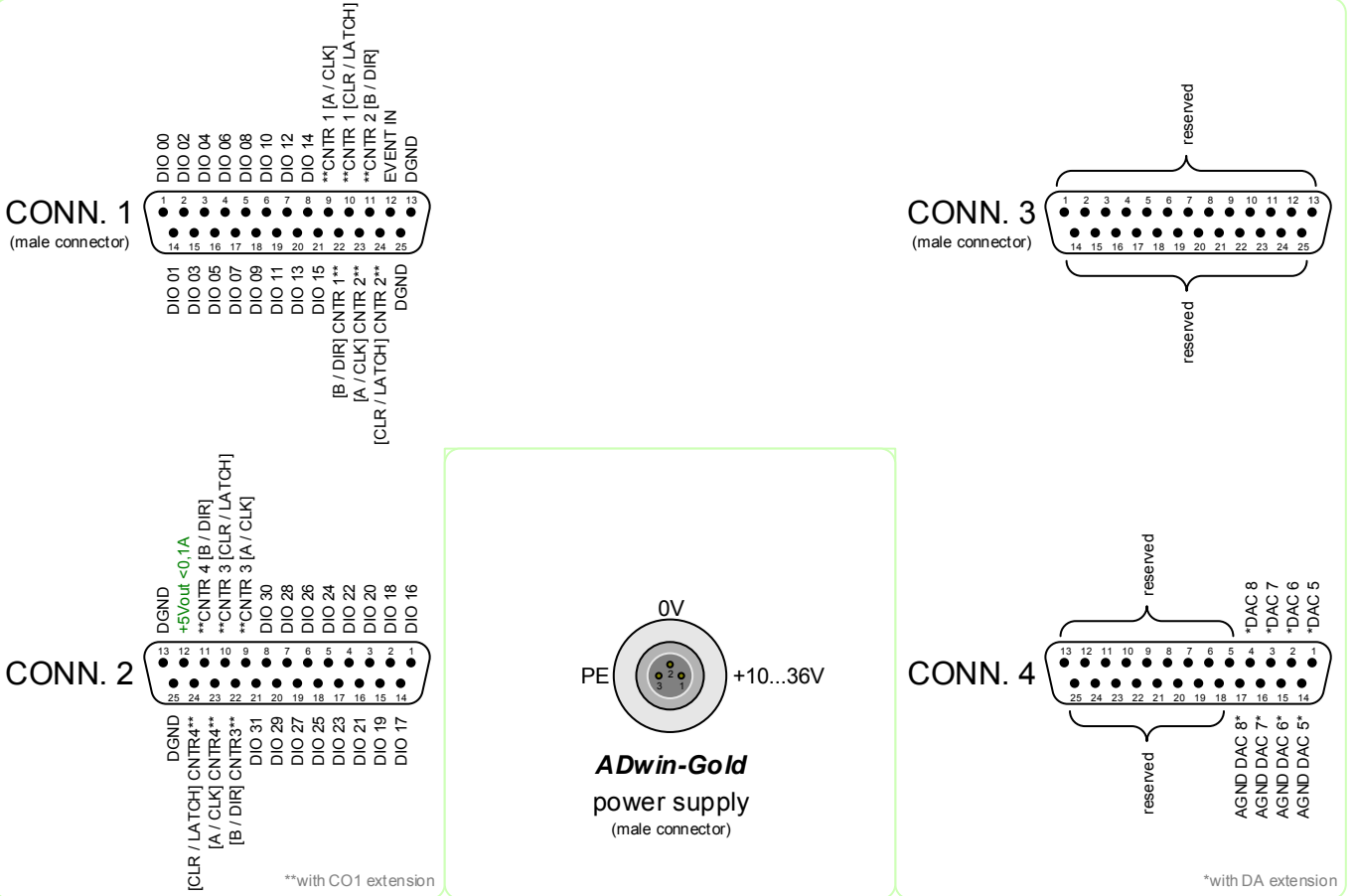
(dual-inline male connector)

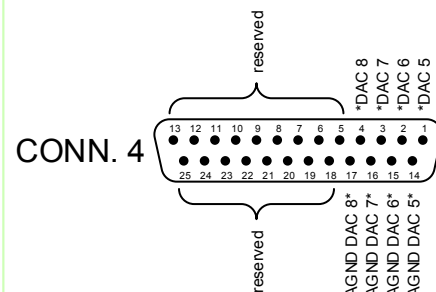
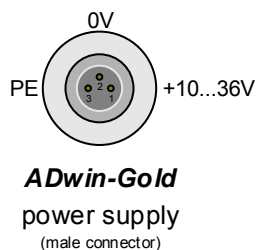
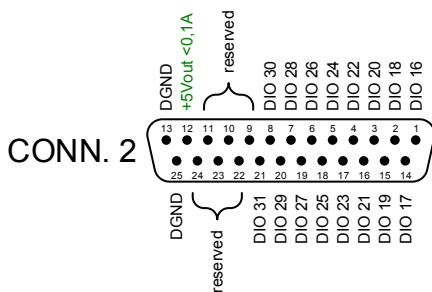
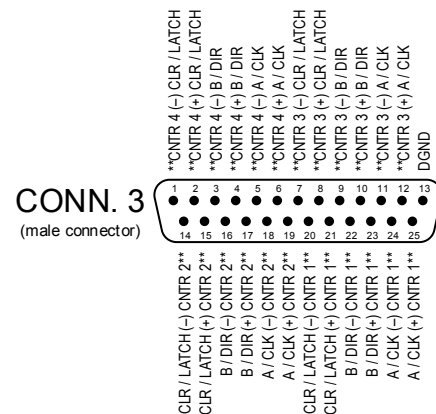
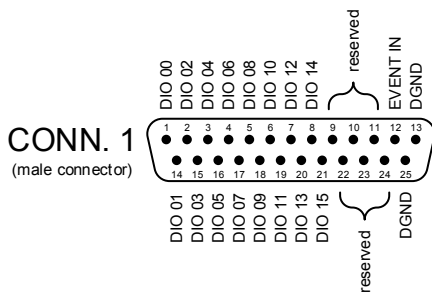


L16-DIO3 (-PWM1): DIO



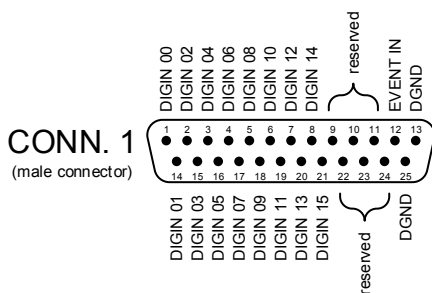
L16: LS bus



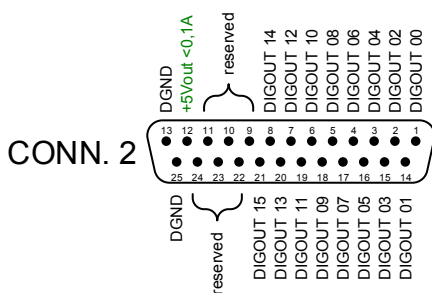


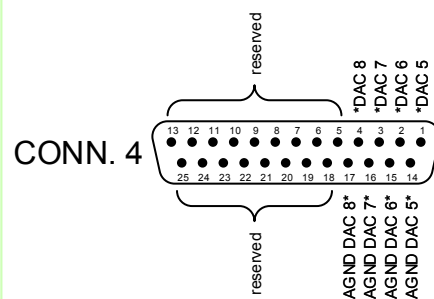
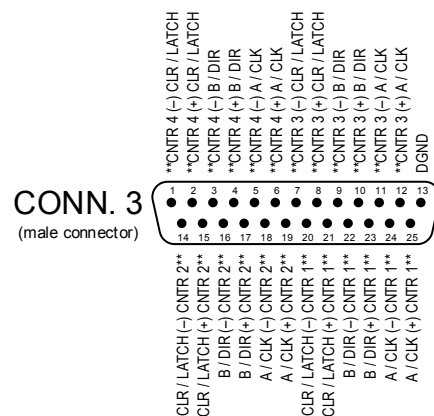
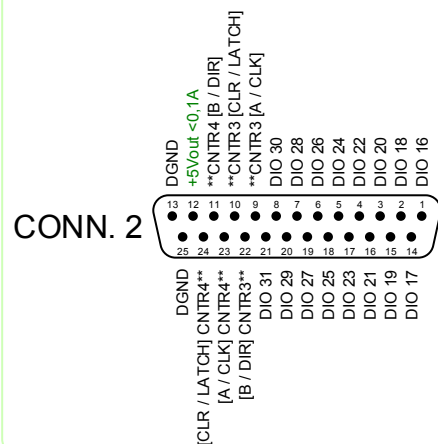
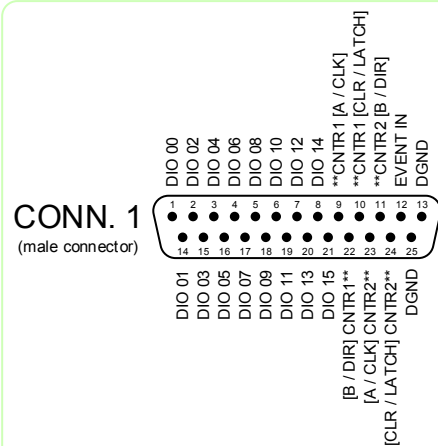
*with DA extension

**with CO1 extension



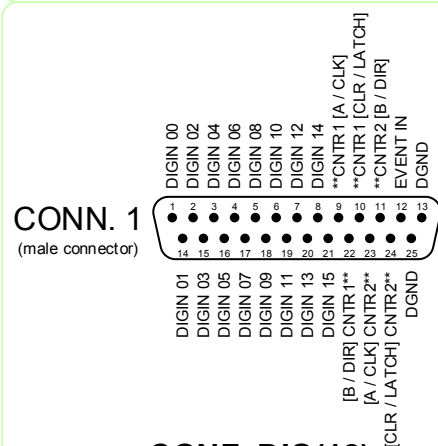
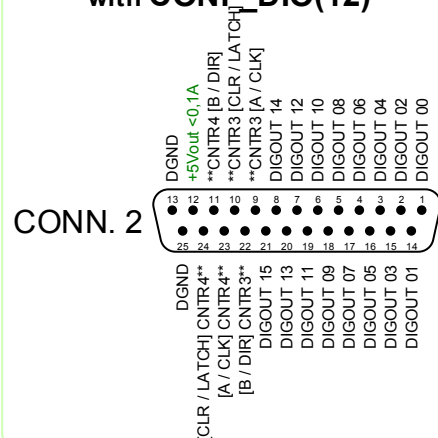
with **CONF_DIO(12)**

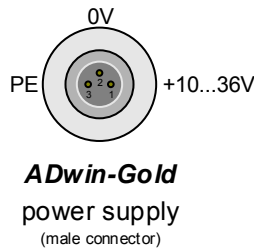
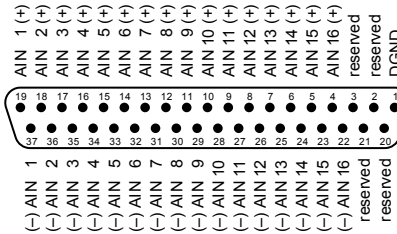
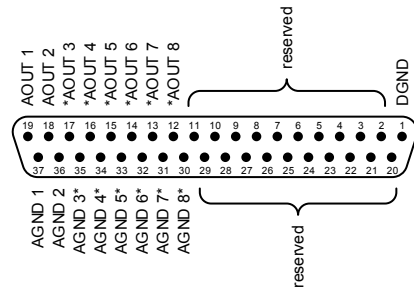




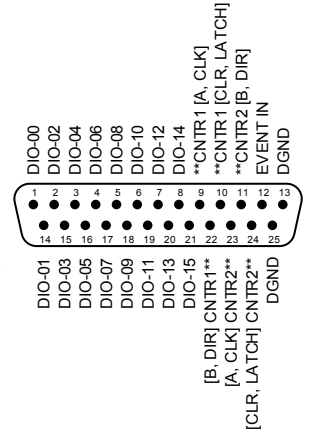
*with DA extension

*with DA extension **with CO1 extension

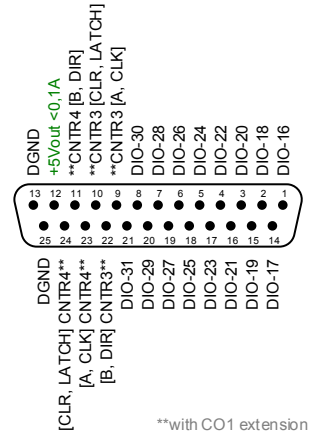
with CONF_DIO(12) ¹⁰



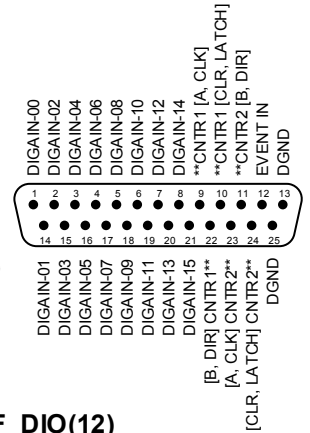
DIO 00-15 (AIN)
(male connector)



DIO 16-31 (OUT)

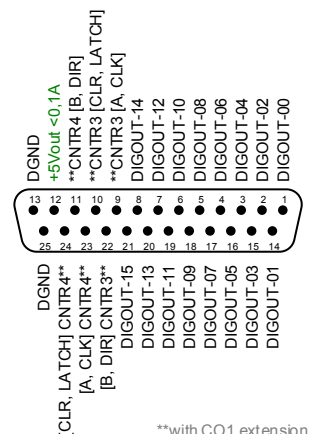


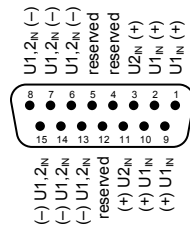
DIO 00-15 (AIN)
(male connector)



with CONF_DIO(12)

DIO 16-31 (OUT)

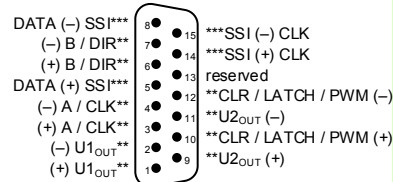




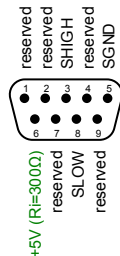
****CO POWER IN**

**with CO1 extension

***with CAN extension

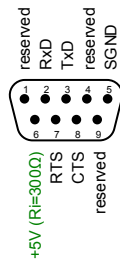


****CO1, ..., CO4**
(male connector)

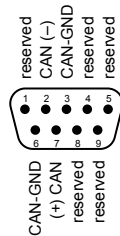


*****COM1, ***COM2**
(RS485) (Stecker)

***with CAN extension

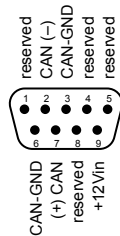


*****COM1, ***COM2**
(RS232) (male connector)



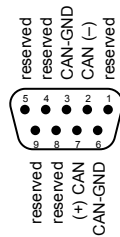
*****CAN 1.1 & ***CAN 2**
(male connector)

***with CAN extension

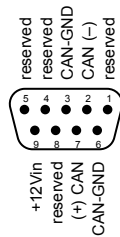


*****CAN-LS 1.1 & 2**
(male connector)

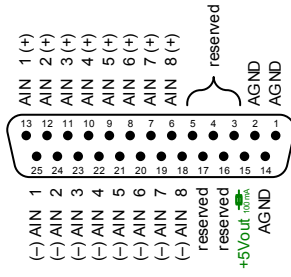
***with CAN extension



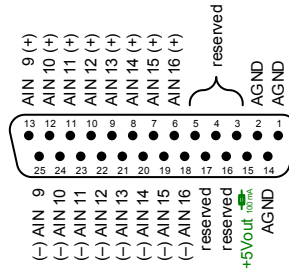
*****CAN 1.2**



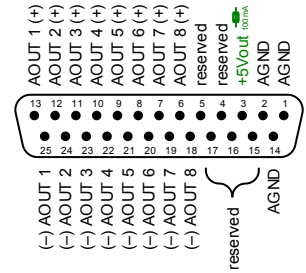
*****CAN LS 1.2**



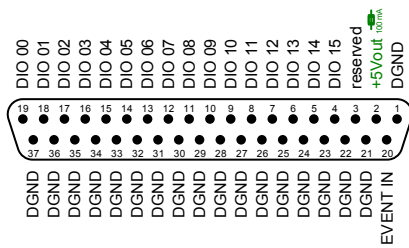
ANALOG IN (1-8)



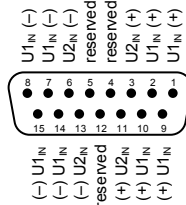
ANALOG IN (9-16)



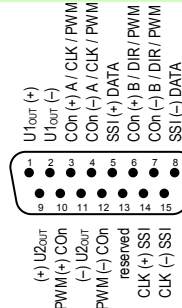
ANALOG OUT



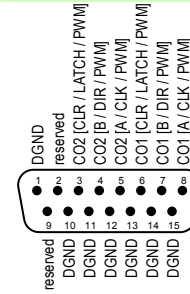
DIO 00-15 (IN)



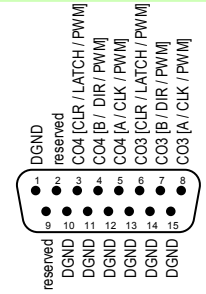
CO POWER IN



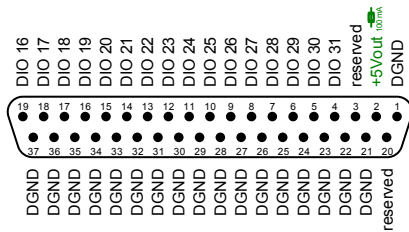
CO1, ..., CO4
(male connector)



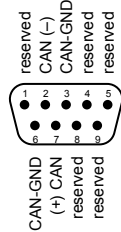
CO1&CO2 (TTL)
(male connector)



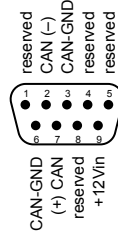
CO3&CO4 (TTL)
(male connector)



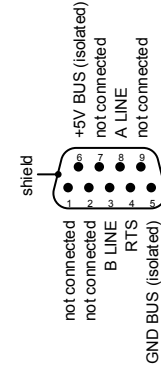
DIO 16-31 (OUT)



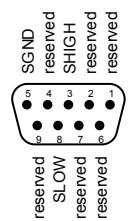
CAN 1&2
(male connector)



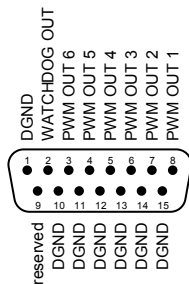
CAN-LS 1&2
(male connector)



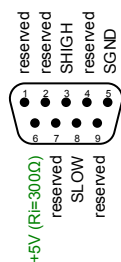
PROFIBUS DP-V1



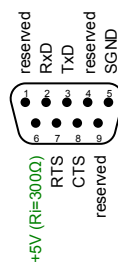
LS 1&2



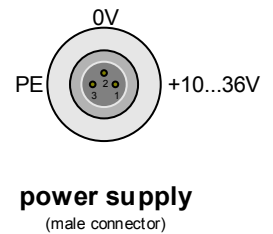
PWM1-6 (TTL)
(male connector)

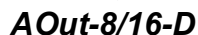
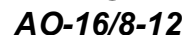
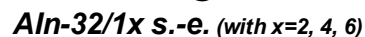


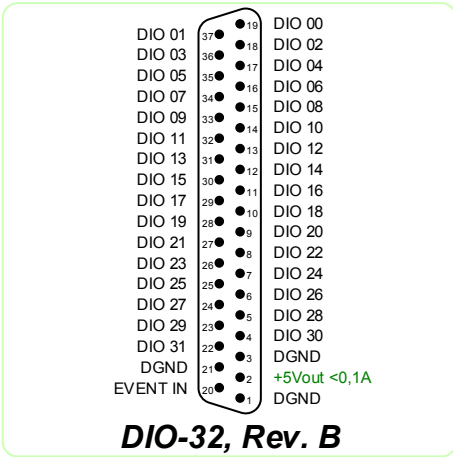
COM1, COM2
(RS485) (male conn.)



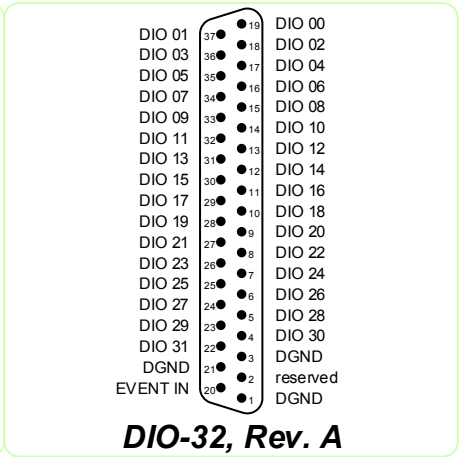
COM1, COM2
(RS232) (male conn.)



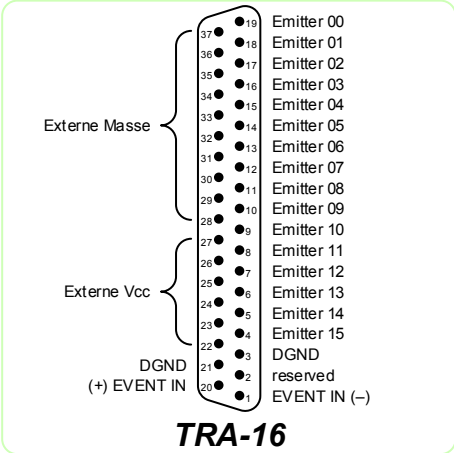
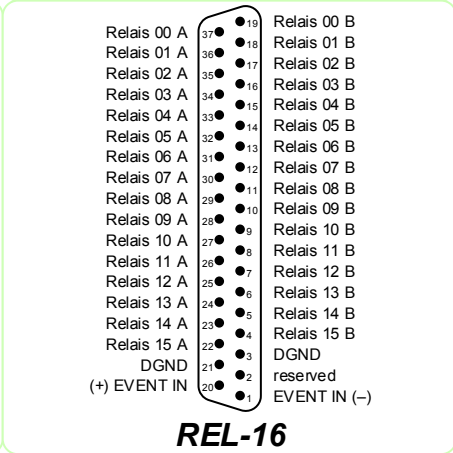
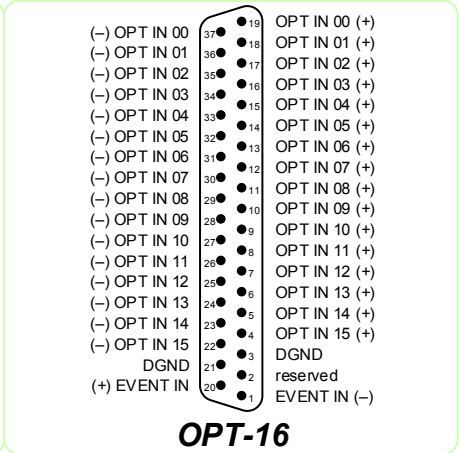
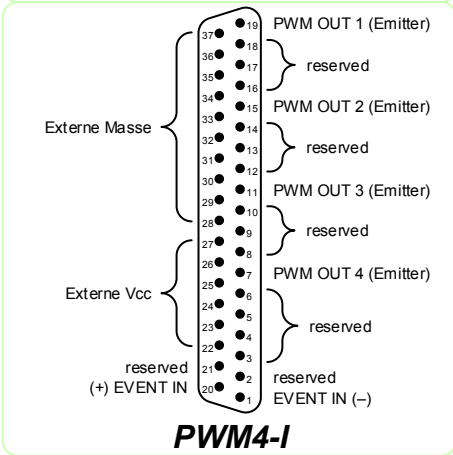




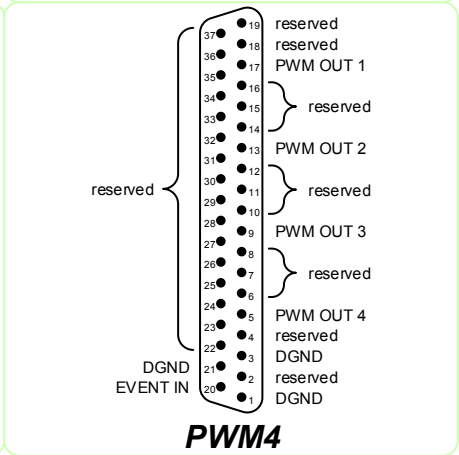
DIO-32, Rev. B



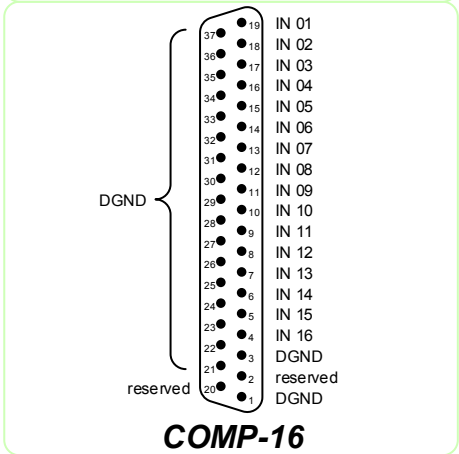
DIO-32, Rev. A

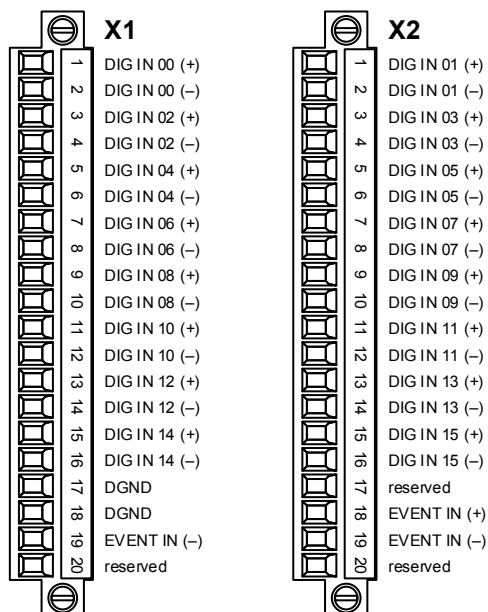
**TRA-16****REL-16****OPT-18**

PWM4-I



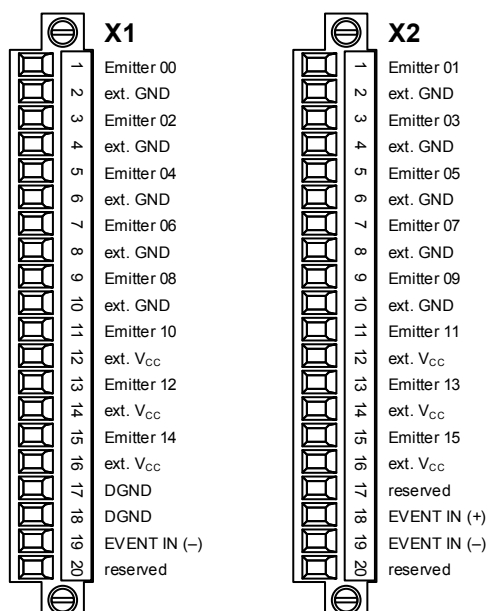
PWM4

**COMP-16**



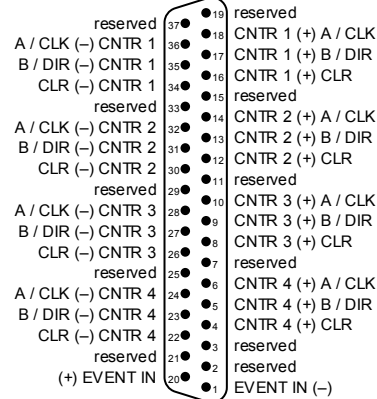
OPT-16

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

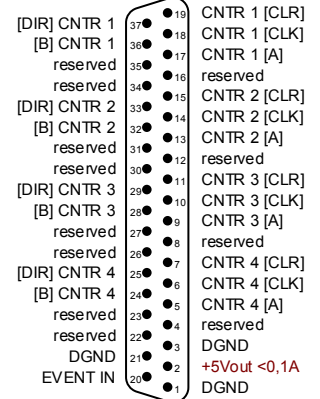


TRA-16

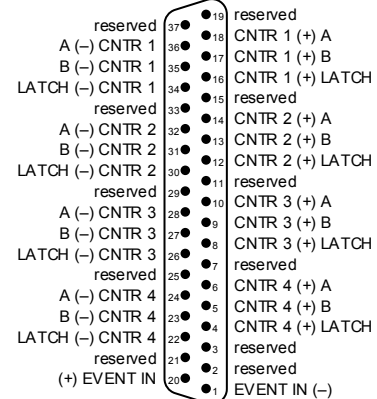
build-in male connector: Phoenix, MCV 1,5/20-GF-3,5
counter part connector: Phoenix, MC 1,5/20-STF-3,5



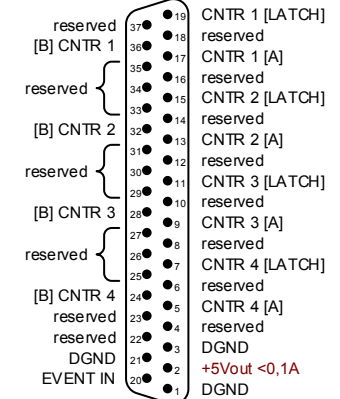
CNT-VR4-I



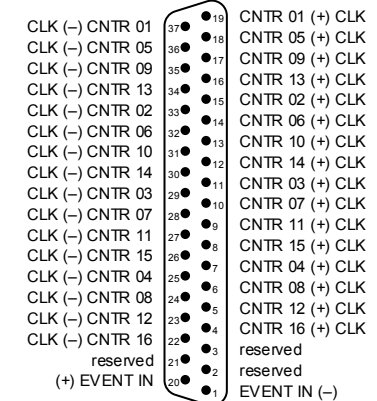
CNT-VR4



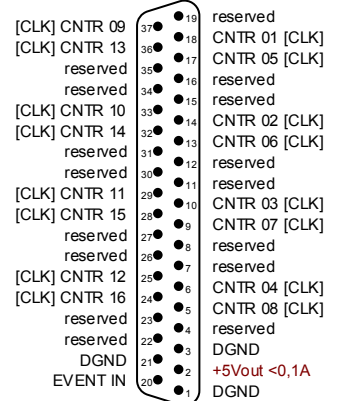
CNT-VR4-L-I



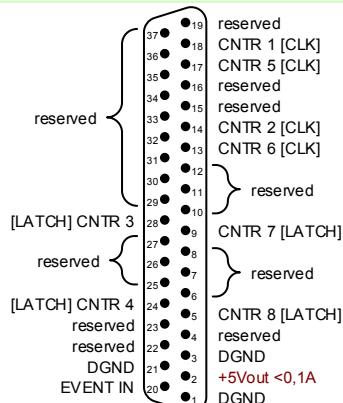
CNT-VR4-L



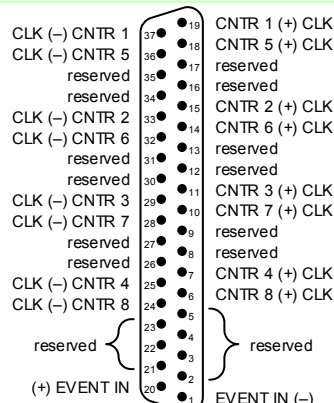
CNT-16/16-I



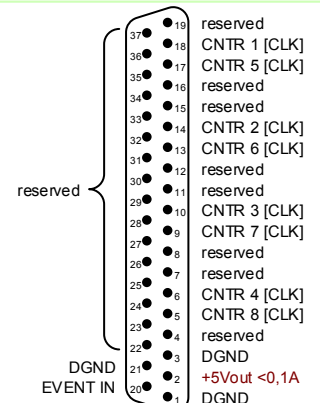
CNT-16/16



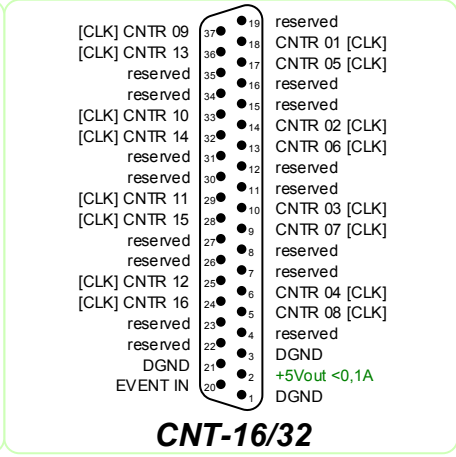
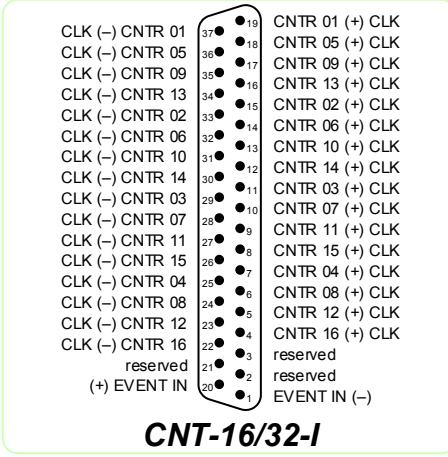
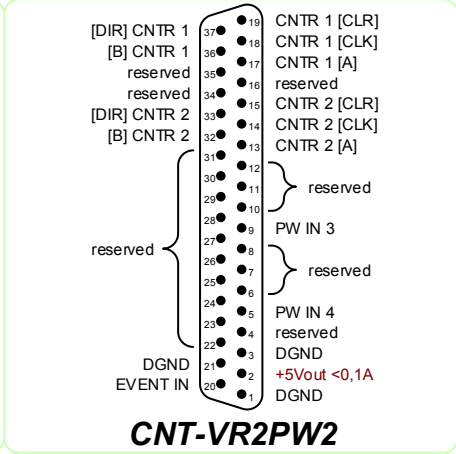
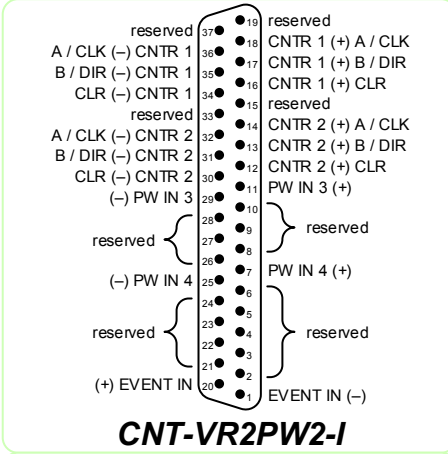
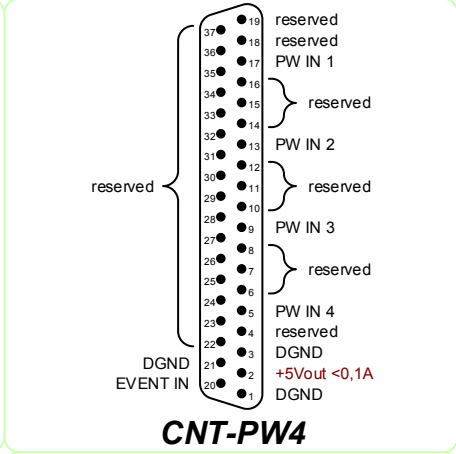
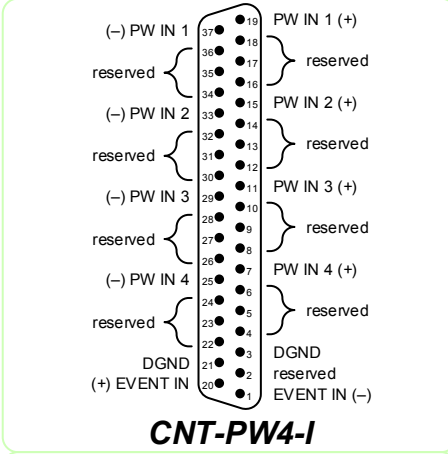
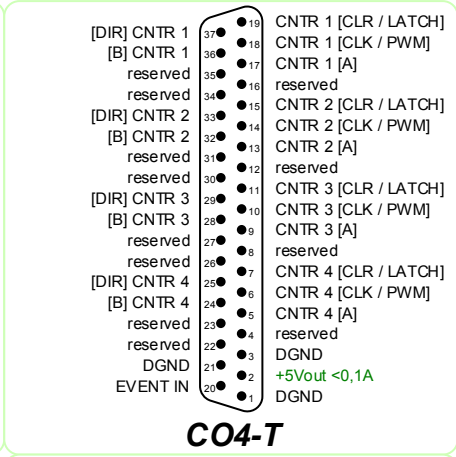
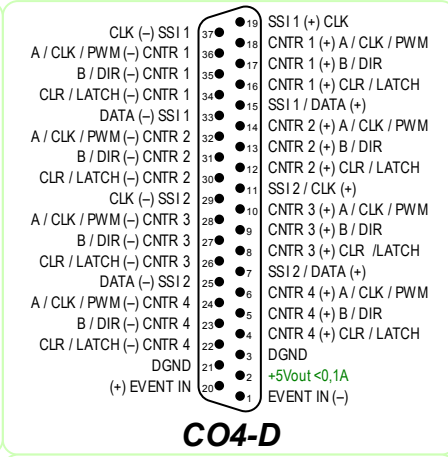
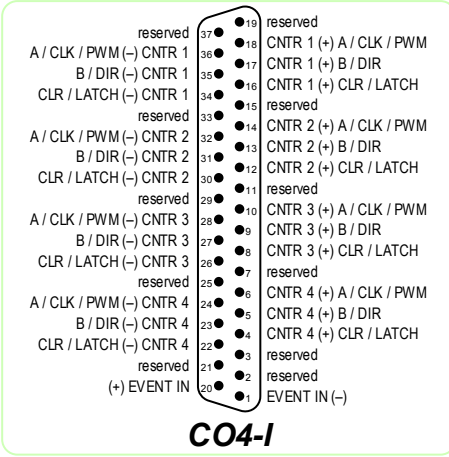
CNT-8/32-L

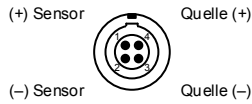


CNT-8/32-I



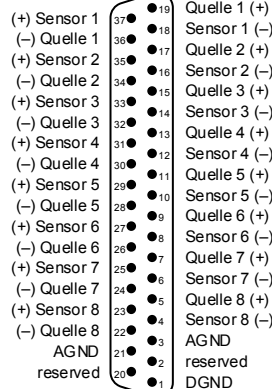
CNT-8/32



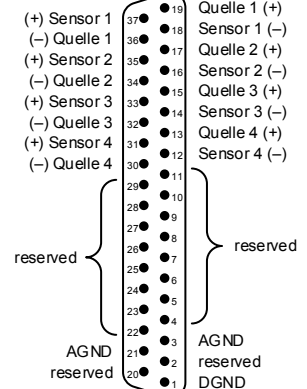


PT100

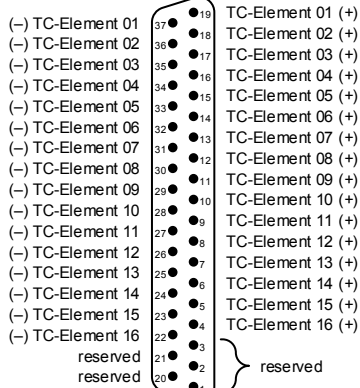
matching cable connector (male):
LEMO, series B, type FGG



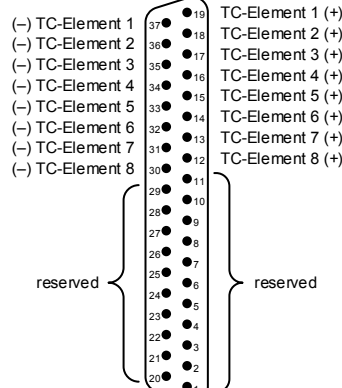
PT100-8-D



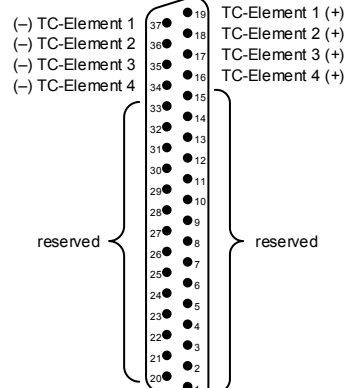
PT100-4-D



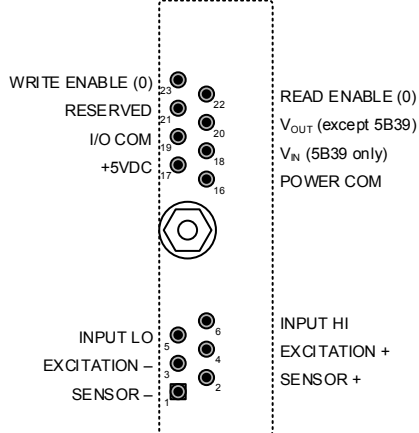
TC-16-J(K)-D



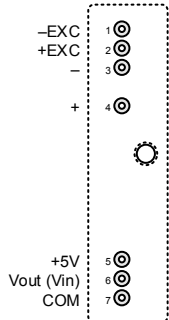
TC-8-J(K)-D



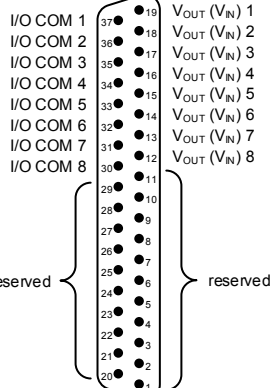
TC-4-J(K)-D



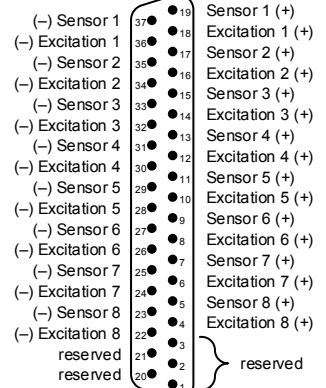
5B module socket
(standard identifier)



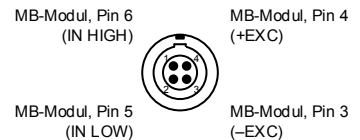
8B module socket
(standard identifier)



MB-8-?D module output

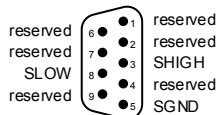


MB-8-D? module input



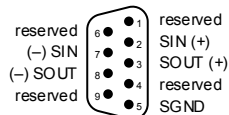
MB-8-L?

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



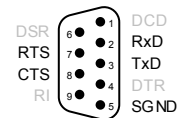
RS-485
(male connector)

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



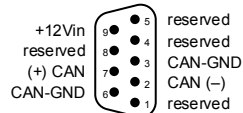
RS-422
(male connector)

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

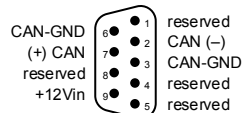


RS-232
(male connector)

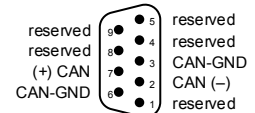
RS232 legend:
DCD - Data Carrier Detect
RxD - Receive Data
TxD - Transmit Data
DTR - Data Terminal Ready
SGND - Signal Ground
DSR - Data Set Ready
RTS - Request To Send
CTS - Clear To Send
RI - Ring Indicator



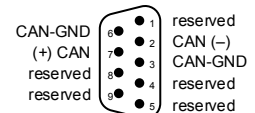
CAN-LS



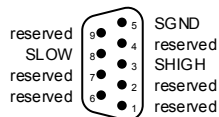
CAN-LS
(male connector)



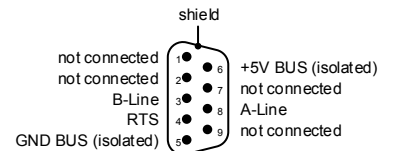
CAN



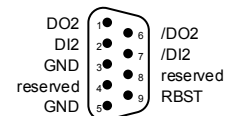
CAN
(male connector)



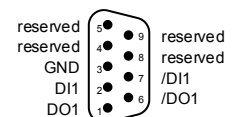
LS-2



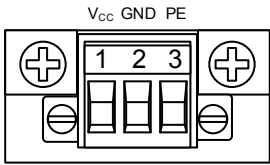
PROFI-DP-SL



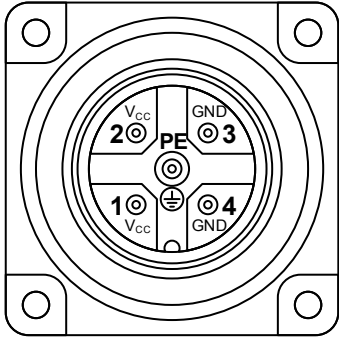
INTER-SL
(BUS-OUT)



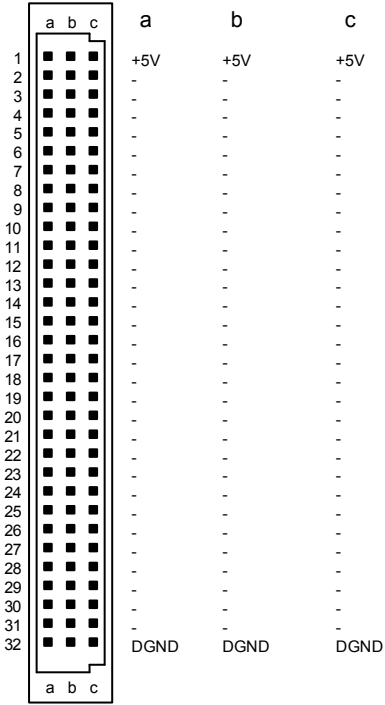
INTER-SL
(BUS-IN, male connector)



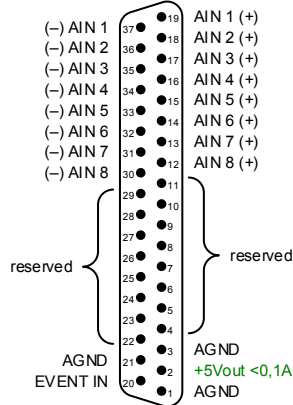
Pro-Mini (power supply)



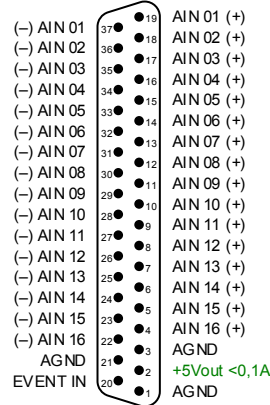
Pro-DC connector (power supply)



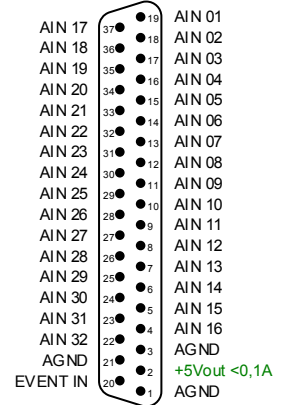
ADwin-Pro, VG96
(backplane)



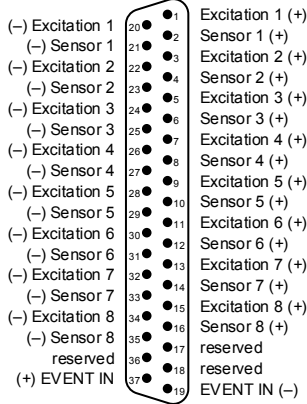
AIN-8/18



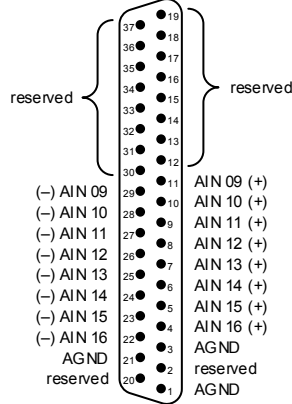
AIN-32/18 diff.



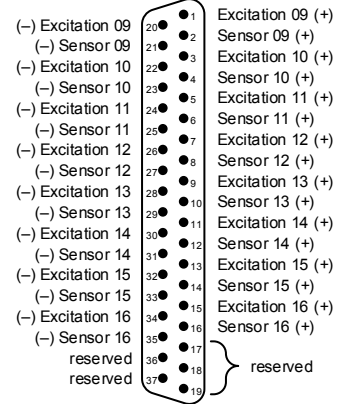
AIN-32/18 s.e.



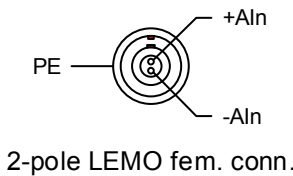
AIN-16/18-8B (8B 1...8, male conn.)



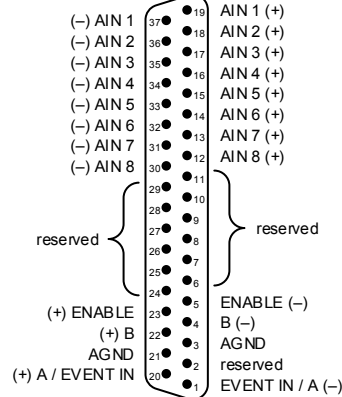
AIN-16/18-8B (AIN 9...16 diff.)



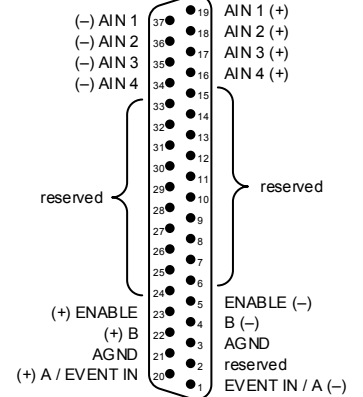
AIN-16/18-8B (8B 9...16, male conn.)



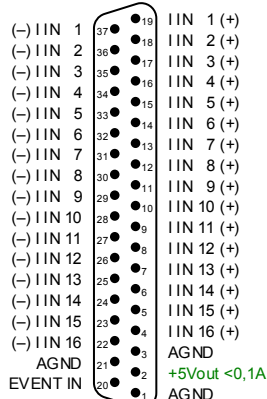
matching cable connector (male):
LEMO, series 00, 2-pole, type FGG



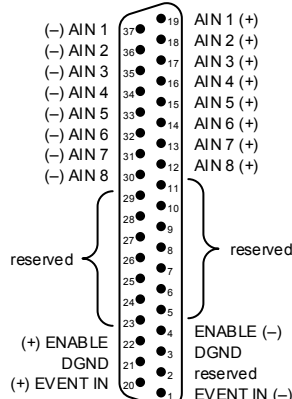
AIN-F-8/1x-D (with x=4, 6)



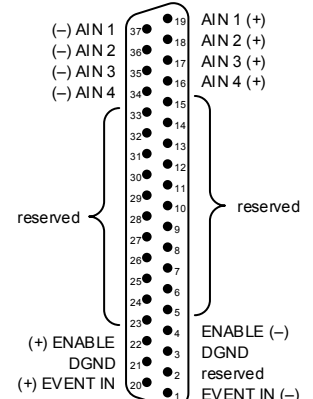
AIN-F-4/1x-D (with x=4, 6)



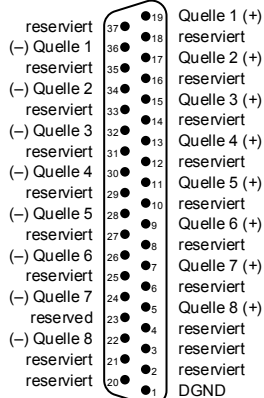
AIN-16/18-C



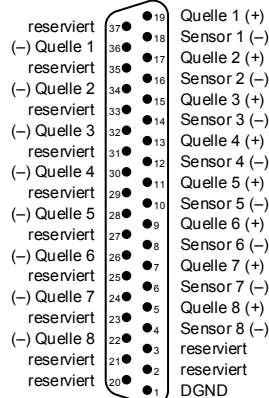
AIN-F-8/18-D



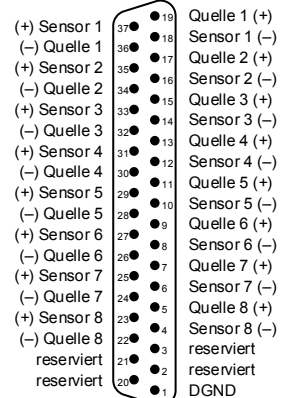
AIN-F-4/18-D



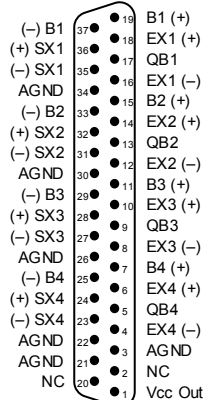
RTD-8-D, 2 wire



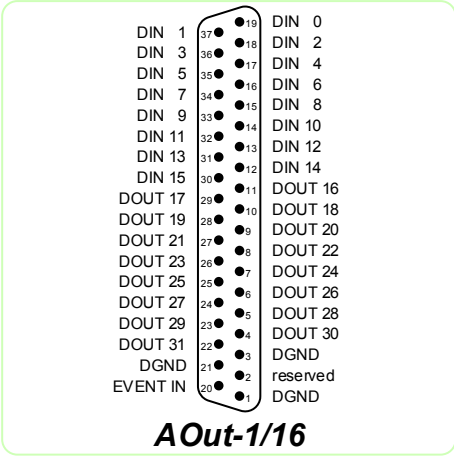
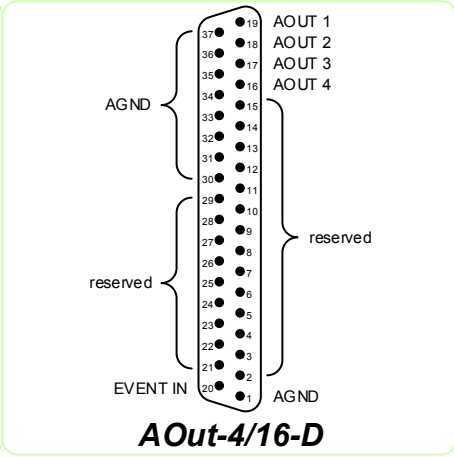
RTD-8-D, 3 wire



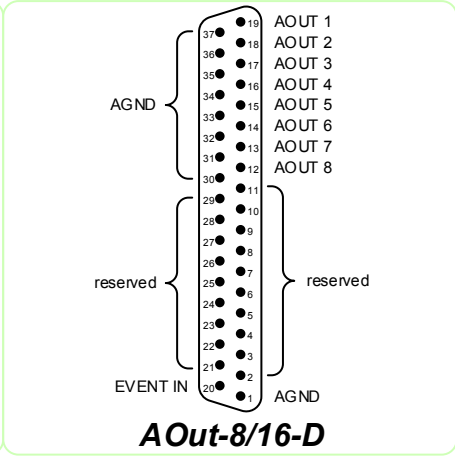
RTD-8-D, 4 wire



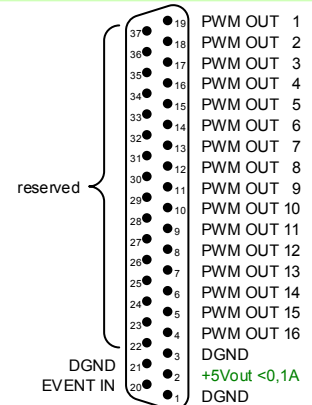
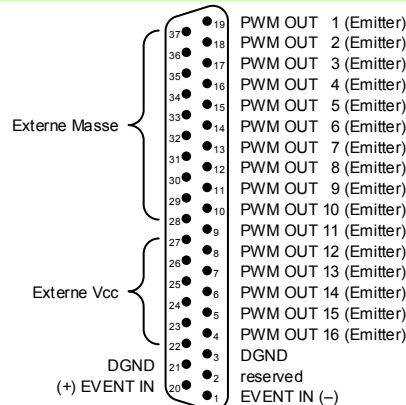
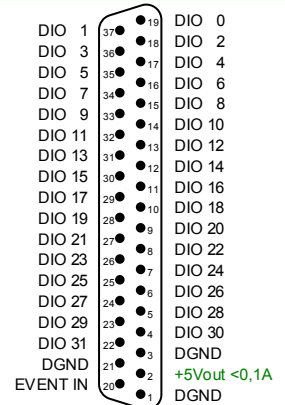
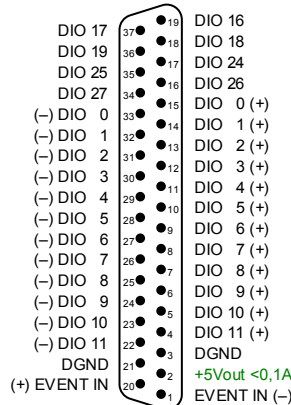
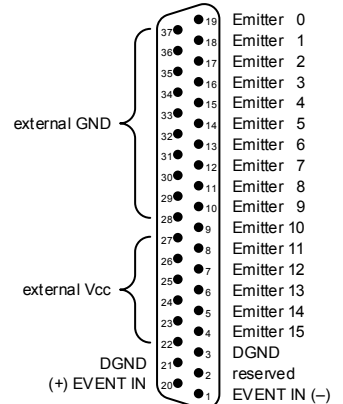
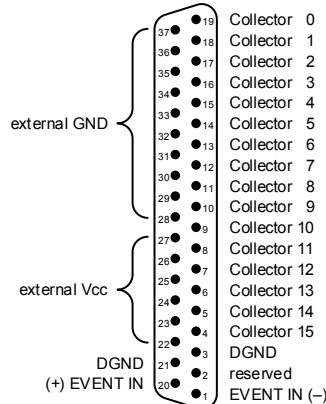
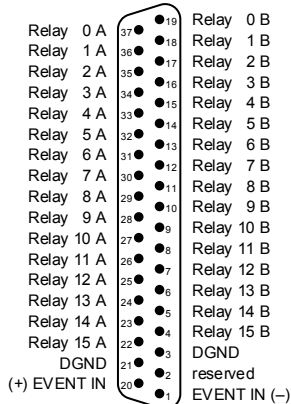
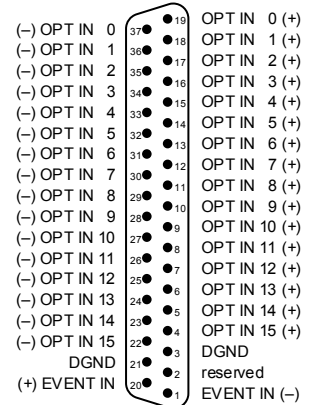
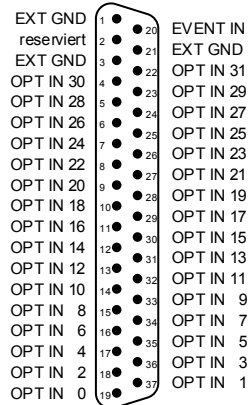
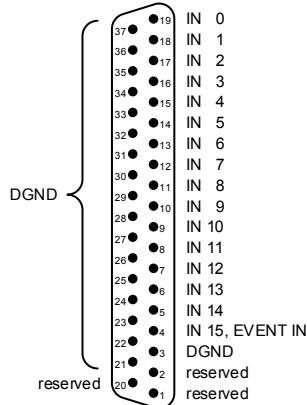
SG-4/18

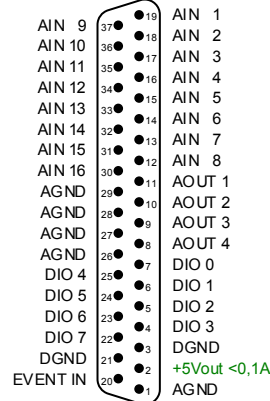
**A Out-1/16**

AOut-4/16-D

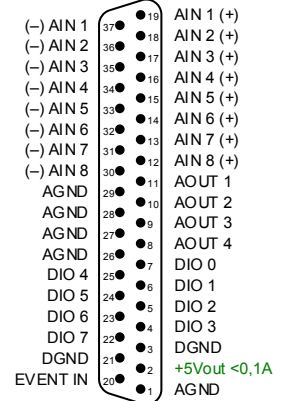


A Out-8/16-D

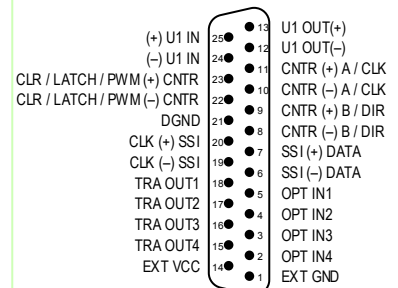




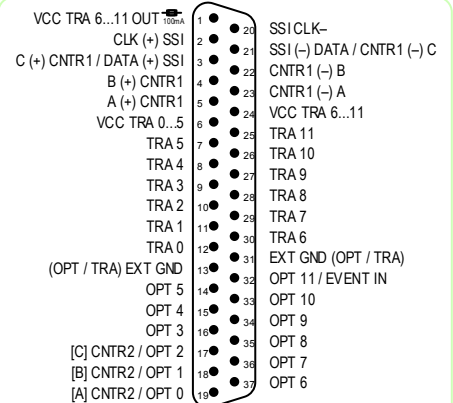
MIO-4 s.-e. (Conn. 1)



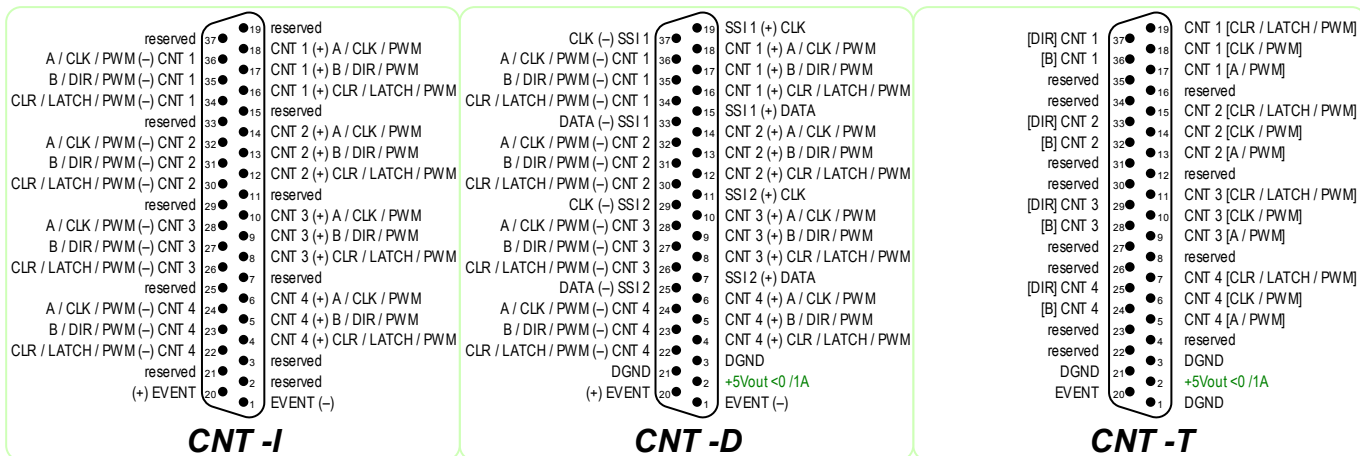
MIO-4 diff. (Conn. 1)

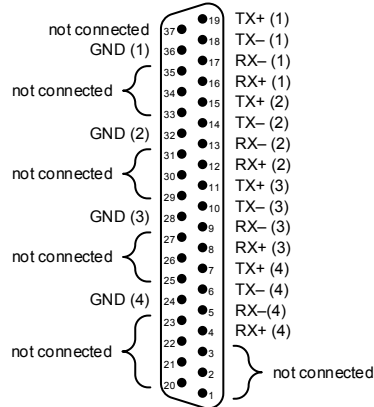


**MIO-4-ET1
Conn. 2**

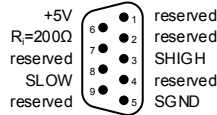


MIO-D12



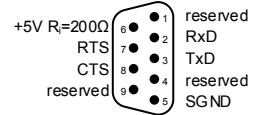


RS422-4



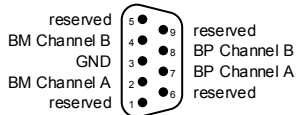
RS-485
(male connector)

RS485 legend:
SHIGH - Signal HIGH
SGND - Signal Ground
SLOW - Signal LOW

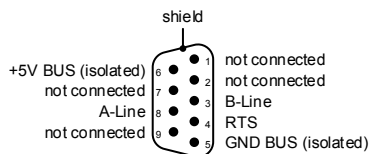


RS-232
(male connector)

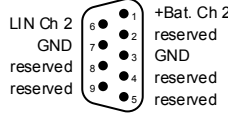
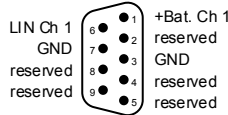
RS232 legend:
RxD - Receive Data
TxD - Transmit Data
SGND - Signal Ground
RTS - Request To Send
CTS - Clear To Send



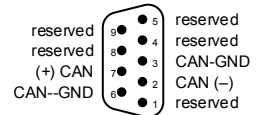
FlexRay
(male connector)



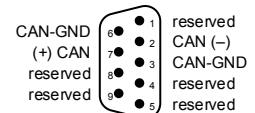
PROFI-SL
(male connector)



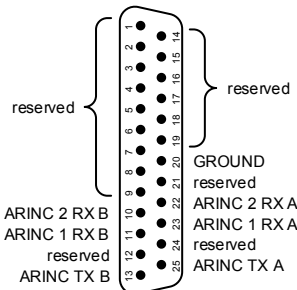
LIN - 2
(male connector)



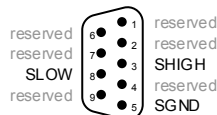
CAN



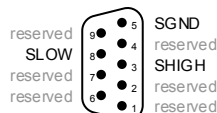
CAN
(male connector)



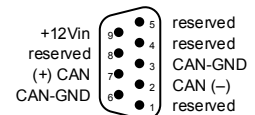
ARINC-429



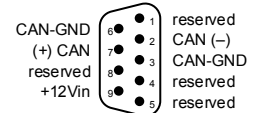
LS-Bus
(male connector)



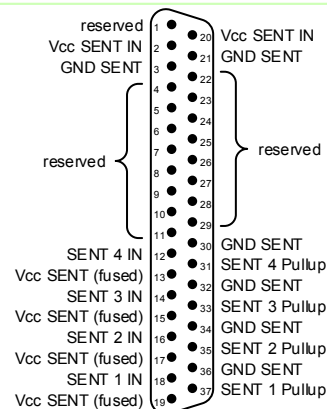
LS-Bus



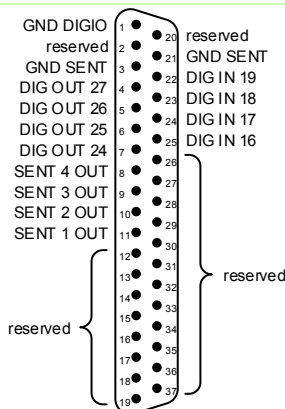
CAN-LS



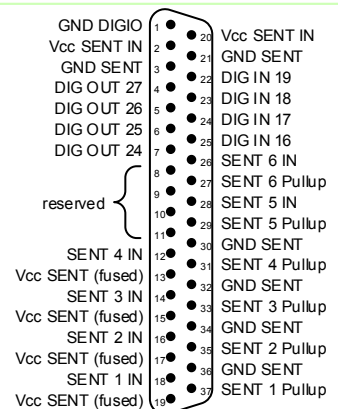
CAN-LS
(male connector)



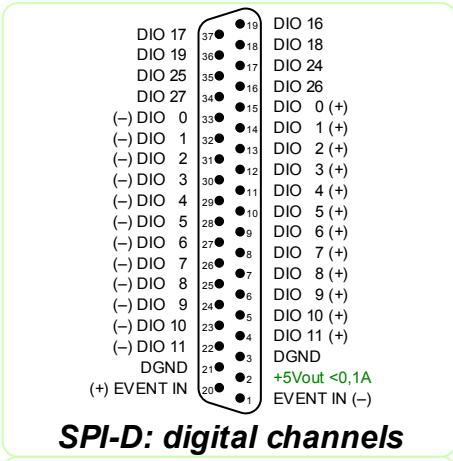
SENT-4



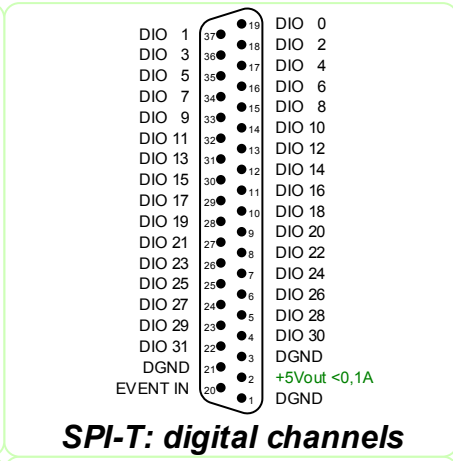
SENT-4-OUT



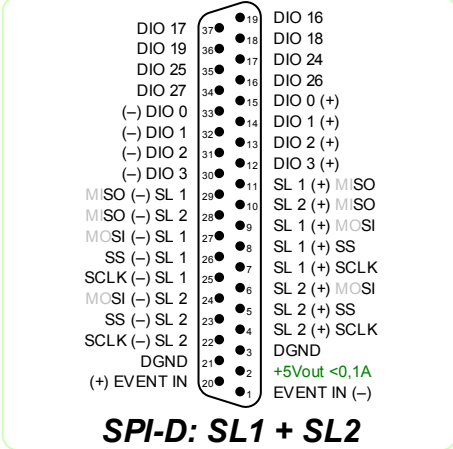
SENT-6



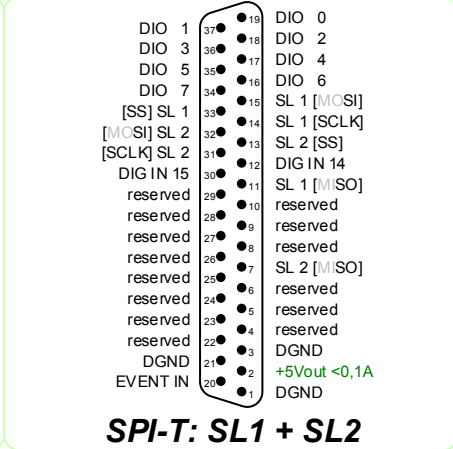
SPI-D: digital channels



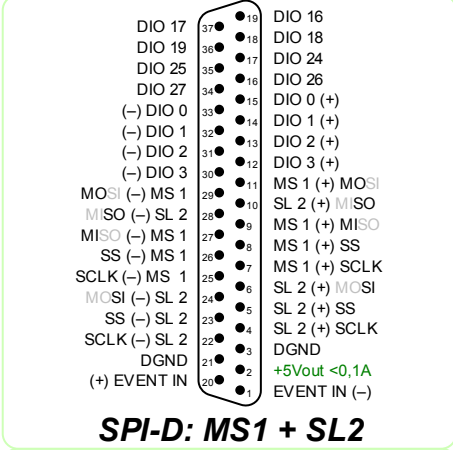
SPI-T: digital channels



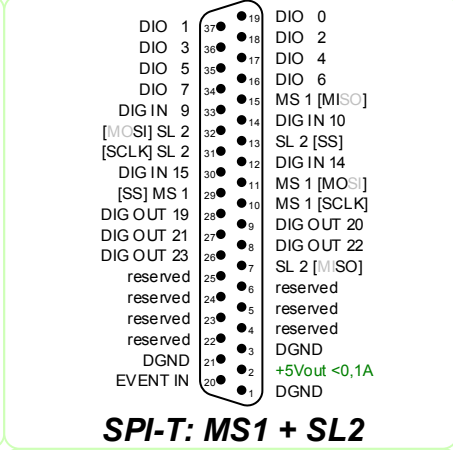
SPI-D: SL1 + SL2



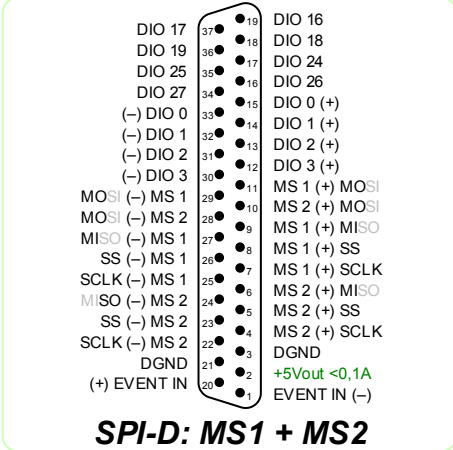
SPI-T: SL1 + SL2



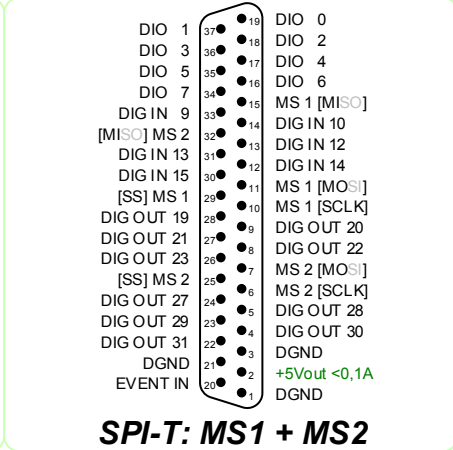
SPI-D: MS1 + SL2



SPI-T: MS1 + SL2

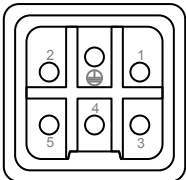


SPI-D: MS1 + MS2



SPI-T: MS1 + MS2

1+2: +10V...+36V



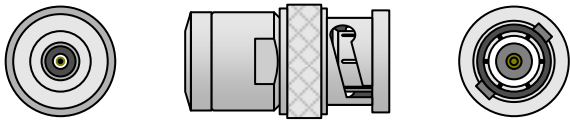
3+4+5: GND (0V)

Pro II-DC connector
(power supply)

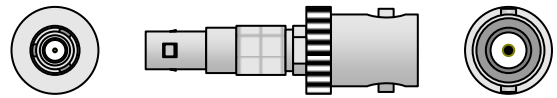
	a	b	c
1	-	+5V	-
2	-	-	-
3	-	-	-
4	-	-	-
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	-	-	-
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-
29	-	-	-
30	-	-	-
31	-	DGND	-
32	-	-	-

ADwin-Pro II, VG96
(backplane)

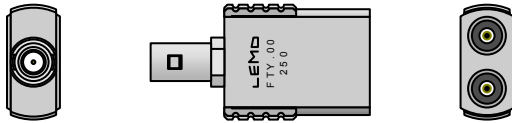
Pro-AS-1 (4 pcs./set)



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



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



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



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



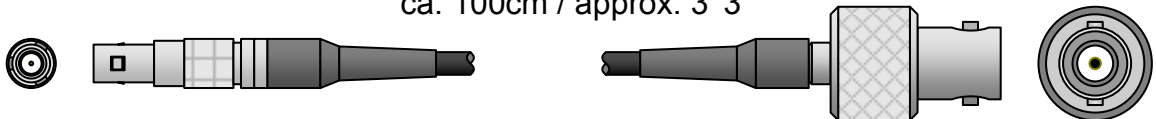
Pro-AS-6 (4 pcs./set)

ca. 10cm / approx. 4"



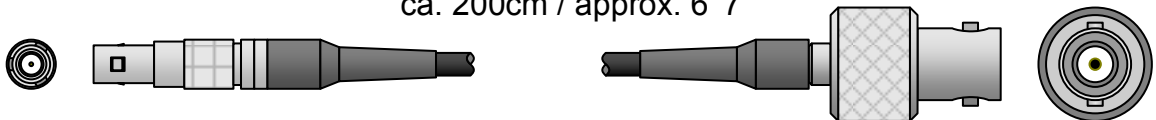
Pro-AS-7 (4 pcs./set)

ca. 100cm / approx. 3' 3"



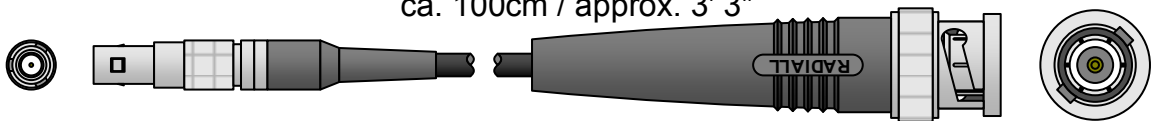
Pro-AS-8 (4 pcs./set)

ca. 200cm / approx. 6' 7"



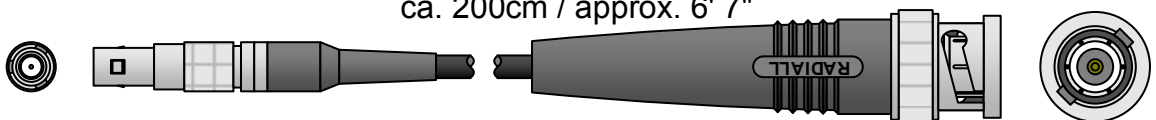
Pro-AS-9 (4 pcs./set)

ca. 100cm / approx. 3' 3"



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

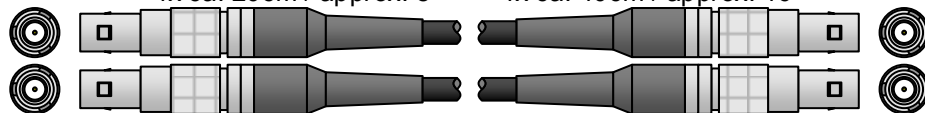
ca. 200cm / approx. 6' 7"



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

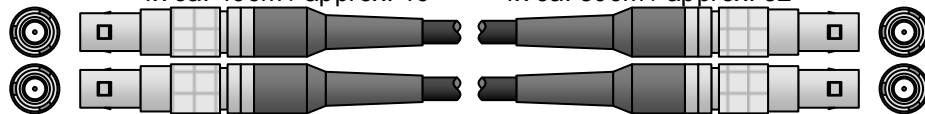
Pro-CS-1

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"



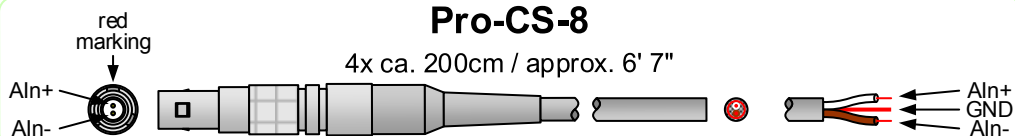
Pro-CS-7

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



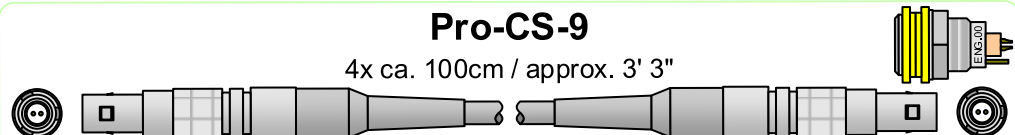
Pro-CS-8

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



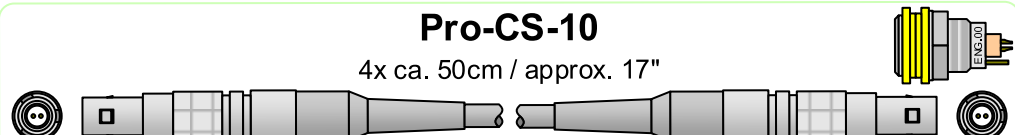
Pro-CS-9

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



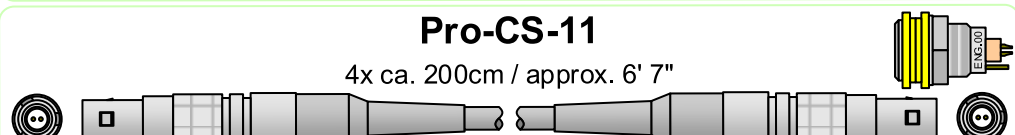
Pro-CS-10

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)

